

Integrated Engineering Solution 综合产品目录

Part 1

机械手
TAKE-OUT ROBOT

Part 2

加热&冷却系统
HEATING & COOLING SYSTEM

Part 3

干燥&送料系统
DRYING & FEEDING SYSTEM



威海柳道机械有限公司
ABIMAN ENGINEERING CHINA

威海经济技术开发区贝卡尔特路90-1号
90-1, BeikaErt Road, Economic Development Zone, Weihai, China
T. + 86 631 597 2588 F. + 86 631 597 2589
E-mail: yudo@yudowh.com.cn
http:// www.yudowh.com.cn
版本: Ver.2025.06.1.6.2



A Member of **YUDO**



公司简介 Company Profile

柳道集团于1980年作为柳道贸易商成立，1992年将其自动化设备事业部组建为柳道STAR自动化公司。

威海柳道机械有限公司（ABIMAN Engineering China）是以优化注塑工艺为目标，制造、开发以取出机器人为首的周边设备及各种自动化设备的公司，于2007年在中国威海成立，2019年，威海柳道机械有限公司的英文名由YUDOSUNS CO.LTD.正式更名为ABIMAN Engineering China，近年来，随着公司业务主体的持续经营并不断扩大，在专项领域内以夯实的制造工艺，优秀的产品品质，不断赢取市场份额、行业口碑和用户的信赖。

YUDO group was established as a liudao trader in 1980, and its automation equipment division was established as liudao star automation company in 1992.

Abiman Engineering China is a company that aims to optimize the injection molding process and manufacture and develop peripheral equipment and various automation equipment led by taking out robots. It was established in Weihai, China in 2007. In 2019, the English name of Weihai YUDO Machinery Co., Ltd. was officially renamed as abiman Engineering China by yudosuns Co.Ltd. in recent years. With the continuous operation and continuous expansion of the company's business entity, In the special field, with solid manufacturing process and excellent product quality, we continue to win market share, industry reputation and user trust.



CATELOGUE 目录

干燥&送料系统 Drying & Feeding System

压缩空气干燥机 Compressed Air Dehumidifier.....	061
除湿干燥机(3机1体)3 Machines And 1 Body	063
热风干燥机 Hot Air Dryer.....	065
三相吸料机 Hopper Loader	066
混合比例料箱 MIX TANK	068
料斗 Cyclone	069
比例阀 Ratio Valve	069
单相吸料机 Single Phase Loader	070
正压空气吸料机 Positive Pressure Air Suction Machine	070
供料控制器 Feed Controller	071
真空站 Suction Filter&Blower	073
接收器 Receiver	073
暂存斗 Maintenance Hopper	074
原料桶 Storage Bin	074
称重式混合机 Gravimetry Blenders	075
原料分配站 Manifold Matrix Manual Manifolds	076
排管 Piping	076
慢速粉碎机 Slow Speed Granulator	077
中速粉碎机 Medium Speed Granulator	078
高速粉碎机 High Speed Granulator	080
金属分离器 Metal Separator	081
树脂干燥特性表 Resin Drying Condition Table	083
自动供料系统案例 Application	084

ABIMAN CHINA分布图 Sales Network	085
-------------------------------------	-----

威海柳道机械有限公司里程碑 ABIMAN CHINA Milestones	001
研发中心 R&D Center	003
荣誉客户 Honor Customers	005
注塑工厂 Injection Molding Plant	007

机械手 Take-out Robot

机械手 TOMA G 5kg	015
机械手 TOMA G 10kg	017
机械手 TOMA G 15kg	019
机械手 TOMA NT	021
机械手 SOMA I	025
机械手 ISMUS Series	027
传送带 Belt Conveyor	031
工厂自动化 Facotry Automation	033
夹具系统 Chuck Parts System	035

加热&冷却系统 Heating & Cooling System

模温机 FOS-1000系列FOS-1000 Series	043
模温机 FOS-3000系列FOS-3000 Series	047
模温机 FOS-4000系列FOS-4000 Series	047
冷热一体机 Cold/Hot All-In-One Temperature Control Unit	048
风冷式冷水机 Air Cooled Chiller	049
水冷式冷水机 Water Cooled Chiller	050
高光泽模温机 Rapid Isolation Cooling&Heating	051
R/O 净水器 R/O Water Purifier	053
增压泵 Air Booster	054
水垢处理机 Scale Remover	055
泥沙分离器 ABIMAN Cyclone	057
袋式过滤器 ABIMAN Bag Filter	058
冷却塔 Cooling Tower	059
冷却系统 Cooling System	060

SINCE 2007 DEVELOPMENT

柳道机械的每一年，都发生了很多大事记。

柳道机械的每一步成长，每一份成果都离不开用户的相信和支持。

所有用户的陪伴值得我们永远铭记和感激。柳道机械会进一步优化和更新产品，以满足客户的需求。

Every year of ABIMAN ENGINEERING CHINA a lot of memorabilia happened.

Every step of growth and every achievement of ABIMAN ENGINEERING CHINA is inseparable from the trust and support of users.

The company of all users deserves our eternamemory and gratitude. ABIMAN ENGINEERING CHINA will further optimize and update its products to meet customer needs.

发展历程 Development Course

2007 2007.10	2008 2008.8	2009 2009.1	2009.1	2010 2010.8	2011 2011.10	2012 2012.11	2012.12	2014 2014.2	2014.6	2015 2015.6	2015.9	2018 2018.5	2019 2019.6	2021 2021.8	2023 2023.3	2023.6	2024 2024.4
威海柳道机械有限公司成立 Establishment of ABIMAN ENGINEERING CHINA	昆山柳道机械有限公司成立 Establishment of Kunshan ABIMAN ENGINEERING CHINA	威海柳道机械有限公司天津办事处成立 Establishment of Tianjin Office Of ABIMAN ENGINEERING CHINA	昆山柳道机械有限公司东莞办事处成立 Establishment of Dongguan Office of Kunshan ABIMAN ENGINEERING CHINA	威海柳道机械有限公司沈阳办事处成立 Establishment of Shenyang Office Of ABIMAN ENGINEERING CHINA	威海柳道机械有限公司二期工程竣工 Completion of Second Stage Of ABIMAN ENGINEERING CHINA	威海柳道被评为“高新技术企业”的荣誉称号 ABIMAN ENGINEERING CHINA was awarded the title of New-High-Tech Enterprise	威海柳道与ACS GROUP签订合作协议 ABIMAN ENGINEERING CHINA signed cooperation agreement with ACS Group	威海柳道与Star Seiki签订合作协议 ABIMAN ENGINEERING CHINA signed cooperation agreement with Star Seiki	威海柳道通过“ISO9001”质量管理体系认证 ABIMAN ENGINEERING CHINA passed “ISO9001” Quality Management System Certification	威海柳道FA自动化部门成立 Establishment of FA (Factory Automation) Of ABIMAN ENGINEERING CHINA	威海柳道机械手及辅助设备全系列量产 Full line-up mass production of robot and rationalized products of ABIMAN ENGINEERING CHINA is realized	威海柳道机械有限公司三期工程竣工 Completion of third Stage Of ABIMAN ENGINEERING CHINA	威海柳道机械有限公司英文名正式变更为“ABIMAN ENGINEERING CHINA” The English name of YUDO was officially changed to ABIMAN ENGINEERING CHINA	威海柳道机械有限公司成功申请“高新技术企业” ABIMAN ENGINEERING CHINA successful application for high-tech industry	推出新款机械手“TOMA”系列 Launch the latest robotic arm TOMA series	引进水垢处理技术，并参加六月上海国际水展 Introduce scale treatment technology and participate in the June Shanghai International Water Exhibition	成功开发磁选机“ACE”系列并参加四月重庆CIBF电池展 Successfully developed the “ACE” series of magnetic separators and participated in the Shanghai CHINAPLAS Rubber Exhibition in April

研发中心 R&D Center

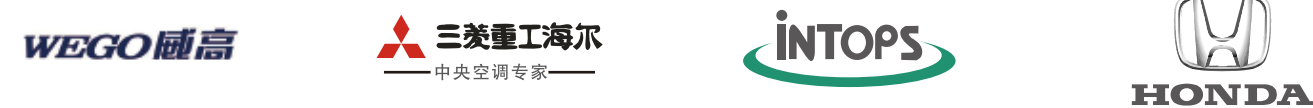


研发中心拥有一支具有创新能力和团队合作精神的研发队伍。科系搭配合理，实现了合理的人才结构梯队。研发中心发展和个人价值同步是研发中心引进人才的基本理念。目前，研发部拥有近100m²的办公场所。为保障研发中心科技成果的产业化，逐步购进一批生产制造装备和测试设备，以满足产品制作和测试要求。

The R&D Center has a R&D team with innovative ability and team spirit. The allocation of departments is reasonable, realizing a reasonable talent structure echelon. Synchronizing the development of R&D center and personal value is the basic idea of R&D center to introduce talents. At present, the R&D Department has nearly 100m² Office space. In order to ensure the industrialization of scientific and technological achievements of the R&D Center, a batch of production and manufacturing equipment and testing equipment are gradually purchased to meet the requirements of product production and testing.

荣誉客户 Honor Customers

感谢以下企业对我公司的长期支持与厚爱
We gratefully acknowledge the long-term support of below companies



注塑工厂 Injection Molding Plant



注塑工艺要求多种多样，ABIMAN能够解决客户在注塑过程中遇到的难题。并可以按照您的要求，承建并提供系统整体解决办法。

There are various requirements for injection molding process, and ABIMAN can solve the problems encountered by customers in the injection molding process. We can also build and provide overall solutions to the system according to your requirements.

加热&冷却系统 Heating & Cooling System



工厂自动化 Factory Automation



机械手 Take-out Robot



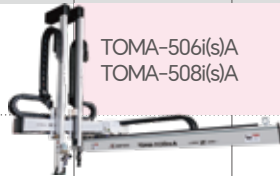
冷却塔 Cooling Tower

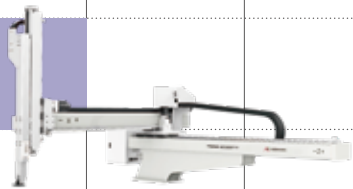
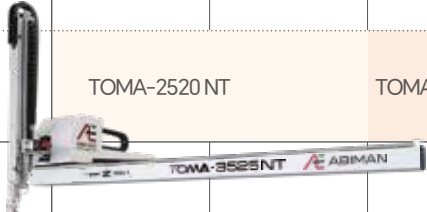


干燥&送料系统 Drying & Feeding System



机械手 Take-out Robot

操控器 Controller		模具锁具(吨) Mold Clamping force (ton)					
		小型注塑机 Small-sized I.M.M					
		0-30	30-80	80-100	100-150	150-180	180-250
 YICON-800		TOMA-506i(s)A TOMA-508i(s)A		TOMA-510i(s)A			
				TOMA-1008(s)A	TOMA-1010(s)A		
						TOMA-311NT	
 WICON-700							
 WiCON-700G		TOMA-506i(s)G TOMA-508i(s)G		TOMA-510i(s)G			
				TOMA-1008(s)G	TOMA-1010(s)G		
 WiCON-10			iSMUS-600				

模具锁具(吨) Mold Clamping force (ton)								
中型注塑机 Small-sized I.M.M				大型注塑机 Large-sized I.M.M				
350-450	450-550	550-850	850-1000	1000-1300	1300-1600	1600-2000	2000-3000	3000-4500
TOMA-1013(s)A TOMA-1015(s)A 								
TOMA-1015NT TOMA-1017NT					TOMA-2019NT TOMA-2022NT 			
				SOMA-1518 	SOMA-2520	SOMA-3520 	SOMA-3525 SOMA-5025	SOMA-5030
TOMA-1013(s)G TOMA-1015(s)G 								
				TOMA-2520 NT 				
						TOMA-3520 NT	TOMA-3525 NT TOMA-5025 NT	TOMA-5030 NT

规格 Specification

类型 Type	注塑机(吨) IMM(TON)	系列 Series	可搬重量 Payload (kg)	上下单元 Vertical Unit			操控器 Controller	驱动方式 Driven Method		
				产品 Product	流道 Runner	截数 Joint		走行 Traverse	前后 Crosswise	上下 Vertical
走行式 Traverse Type	3000-4500	SOMA-5030	50	O		双截	WiCON-700	AC servo	AC servo	AC servo
	2000-3000	SOMA-5025	50	O		双截	WiCON-700	AC servo	AC servo	AC servo
		SOMA-3525	35	O		双截	WiCON-700	AC servo	AC servo	AC servo
	1600-2000	SOMA-3520	35	O		双截	WiCON-700	AC servo	AC servo	AC servo
	1000-1600	SOMA-2520	25	O		双截	WiCON-700	AC servo	AC servo	AC servo
	850-1000	SOMA-1518	15	O		双截	WiCON-700	AC servo	AC servo	AC servo
	550-1000	TOMA-1518(s)G	15	O	O	双截	WiCON-700G	AC servo	AC servo	AC servo
	350-550	TOMA-1015(s)G	10	O	O	双截	WiCON-700G	AC servo	AC servo	AC servo
		TOMA-1013(s)G	10	O	O	双截	WiCON-700G	AC servo	AC servo	AC servo
	180-350	TOMA-1010(s)G	10	O	O	双截	WiCON-700G	AC servo	AC servo	AC servo
	100-180	TOMA-1008(s)G	10	O	O	双截	WiCON-700G	AC servo	AC servo	AC servo
	100-180	TOMA-510i(s)G	5	O	O	单截	WiCON-700G	AC servo	AC servo	AC servo
	30-100	TOMA-508i(s)G	5	O	O	单截	WiCON-700G	AC servo	AC servo	AC servo
TOMA-506i(s)G		5	O	O	单截	WiCON-700G	AC servo	AC servo	AC servo	
侧入式 Swing Type	80-180	iSMUS-600	2	O	O	单截	WiCON-10	—	Air Cylinder	Air Cylinder
牛头式 NT Type	3000-4500	TOMA-5030 NT	50	O		双截	WiCON-700G	AC servo	AC servo	AC servo
	2000-3000	TOMA-5025 NT	50	O		双截	WiCON-700G	AC servo	AC servo	AC servo
		TOMA-3525 NT	35	O		双截	WiCON-700G	AC servo	AC servo	AC servo
	1600-2000	TOMA-3520 NT	35	O		双截	WiCON-700G	AC servo	AC servo	AC servo
		TOMA-2520 NT	25	O		双截	WiCON-700G	AC servo	AC servo	AC servo
	1300-3000	TOMA-2022NT	20	O		双截	YiCON-800	AC servo	AC servo	AC servo
		TOMA-2019NT	20	O		双截	YiCON-800	AC servo	AC servo	AC servo
	450-1300	TOMA-1017NT	10	O		双截	YiCON-800	AC servo	AC servo	AC servo
		TOMA-1015NT	10	O		双截	YiCON-800	AC servo	AC servo	AC servo
	180-450	TOMA-311NT	3	O		双截	YiCON-800	AC servo	AC servo	AC servo

*本一览表是为了帮助用户理解机械手的选型而提供，根据工程的不同条件，有可能会变更参数，请务必咨询。
*The table above is displayed for user's better understanding in selecting robots.
Additional discussion must be made because relevant parameters may change according to different project conditions.

机械手优点 Advantages of Take-out Robot

► 功能升级 Functional Upgrades

3项功能升级，提高生产效率
The Functional Evolution
Of Three Providing
Increased Production Efficiency



► 简单·安全 Easy Control & Safe Design

位置调节更加简单 Position Adjusting Is Much Simple
传统位置调整方式-点动+寸动的方式位置校准。
Before:Set data in pendant and adjust the position.
WiCON-700，伺服释放后可以自由拖拽位置，使调整更加准确快捷。
After: By servo release,the arm can be pulled by operator to adjust the position, andthe position is more accurate.

常用功能不再使用复杂的手动编写模式
Some Functions Added To Standard Function Instead Ofrequest User To Edit
传统的剪刀以及旋转功能需要自由编程来完成，速度以及人员要求较高。
Before: Nipper and rotation function need edit in teaching program, high request for user.
以上功能作为标准功能，使用时候只需要打开相应的模式以及设定位置即可使用。
After: Set Nipper and rotation as standard function.
User can running this function by choose the mode and setting positions.

操作更加安全 Safe Operation
传统方式-触摸屏内的实现 自动 手动 原点的切换运行。
Before: Choose auto/ manual/ original in touch screen.
WiCON-700 增加实体旋钮开关，无需进入手控器界面，就可以实现上述功能。防止人为的误操作，使运行更加安全。
After: Add switch in pendant. User can rotate to auto/ manual/ original without ener toscreen.

CNC全编程 Full CNC
标准调用子程序，编程更方便安全。
Standard call subroutine, programming more convenient and safe.
客户可以自己编写程序。
Customers can create programs.

USB 通讯端口 USB Connection
通过链接USB，可实现数据(动作程序、报警履历、操作履历等)管理。
USB memory connection allows handing of data such as operationprogram / alarm history / operation history.

► 人性化 Humanization

保养功能 Maintenance Feature
画面上显示给油、定期点检时间，可通过查询历史记录(日期)信息进行保养确认。
Lubrication and scheduledinspection schedules(oilling and reguter inspection)are displayed on the screen.
The maintenance history (with dates)is displayedfor confirmation.

周期确认运转 One Cycle Check Opertion
可通过一键启动连续步进运行，确认1个周期的运转情况。 Pressing a key allows one cycle check operation in continuous step operation.

► 提高生产效率 Production Efficiency Inprovmnt

生产管理功能 Production Control Feature
输入预定生产科技即可显示出生产完成时间。另有显示生产实际数量统计表和抽样检查功能，更有利于成型品的品质管理。
Inputs the number of piecs to be profuced,and the estimated time ofproduction is displayed.
Other features such us graphingof production resultsand sampling also contribute to better product quality control.

初期不良品排出 Intial Release

抽样检查功能 Sample Release

► 稳定性 Stability

制振控制 Vibtation Control
流畅的停止动作实现周期缩短。
Cycle improvement by smooth stop operation.

标配绝对编码器 Standard Use Of Absolute Encoder
接入电源时无需原点复原。Home return with power on not required.
去掉感应块，减少机器保养负担。
Easy maintenance by abolition of sensor dock.

标准功能

Standard Functions

	功能名称 Option	说明 Description
取出侧 Product Extract Side	下降待机 Arm standby for descent	开模完毕前，手臂下降至模具附近待机，有效缩短取出周期。 In order to short cycle time, vertical arm is set to standby above the mold before completion of mold opening.
	取出侧前进姿势 Crosswise posture	在姿势动作状态下通过安全门上方，在取出和搬运较长或较大产品时，为避免与模具上的障碍物及走行导轨干涉，可任意设定姿势动作前后位置。 After the arm vertically extends to product via safety door, crosswise position can be adjusted to avoid obstacle on mold or traverse rail during handling large or long products.
	吸着1使用 Vacuum generate circuit 1	使用带真空发生单元1回路取出产品。 Use vacuum generate circuit 1 to extract product.
	吸着2使用 Vacuum generate circuit 2	使用带真空发生单元2回路取出产品(SOMA II 是标准选项)。 Use vacuum generate circuit 2 to extract product (SOMA II standard functions).
	抱具1使用 Fixture 1	使用抱具1回路取出产品。 Use fixture circuit 1 to extract product.
	抱具2使用 Fixture 2	使用抱具2回路取出产品。 Use fixture circuit 2 to extract product.
	顶料器联动 Ejector link	与注塑机顶针联动，取出产品。 Vertical arm linked with ejector of mold to extract product.
	固定侧取出 Extract product from fix side	从固定侧取出产品。 Extract product from fix side.
	侧姿待机 Posture of waiting	夹具与模具干涉时，姿势水平待机。 When there is interference between chuck and mold, Posture noaction.
	副臂模内松开 S-side arm releases in the mold	水口从模县上脱离后，需要在模内开放水口。 When runner out of mold,release runner inside mold.
走行 Traverse	模外待机 Delayed traverse	如开模未完毕，机械手或夹具板与模具上的障碍物相干涉时，走行复归途中在走行体待机，等待开模完毕。 If mold is not open completely and arm/chuck plate interface with obstacle on the mold, waiting on the traverse until completion of mold opening.
	途中开放(走行/复归) Midway release (move/ revert)	走行/复归途中进行开放动作。 Runner is released during traverse or traverse return motion.
	不良品排出 Defective product reject circuit	注塑机发出不良信号,进行不良品排出动作。 Link with the signal from injection machine and seperate defective products from other products.
	初期品排出 Initial products	将自动开始后的前N模产品排出，放置到指定的位置。 Separate the certain number of initial products to designate place.
落下侧 Product Release Side	样品排出 Sample	按设定的模数间隔，取出一个产品，作为样品放置到样品待检工位，供检测人员实时监控产品的质量。 Setting the frequency of product inspection. Separate the inspection sample for each period.
	用户堆叠 Packing	与输送带或排列机等装箱设备联动，进行产品的装箱动作。(各轴256点*8组) Packing operation carried out by linking with packing device of conveyor .(Max 256 point *8)
	自由堆叠 Packing	设定从注塑机取出产品的随机开放顺序。(200点*8组) Setting random release sequence to take out the products from IMM.
其他 Other	传送带启动信号 Conveyer trigger signal	产品开放完毕，启动传送带动作信号。 Trigger the signal to start conveyer after loading product.
	3国语言切换 Three languages exchange	操作盒的显示画面可切换3国语言。韩文、英文、中文为基本的语言切换。 Three languages are available for exchange in pedant. Basic languages are Korean/Enalish and Chinese.
	教导用户程序 User mode	客户可自由编辑动作。 Customer can do programme.
	标准用户程序 Standard mode	设定位置、模式、计时器等改变动作来完成产品的取出。教导程序不可编辑。 Set position/ mode/ timer to change the action and extract product.
	档案管理 File management	换模信息(最大1000条)。 Reserve the mold exchange information (Max 1000 pieces).
	注塑机信号类型 Signal spec of injection machine	欧规式样，日本式样。 European specand Japan spec.
	背景灯自动OFF Backlight auto OFF	超过[屏幕保护时间]设定的时间，如果不操作操作盒，背景灯则关闭。 The backlight goes out if no pendant operation is performed for the period set with the[DISPLAY OFF TIME] fuction.
	欧规67/欧规12 Euromap67/Euromap12	选配插头 Optional Plug

选项功能

Option Functions

产品分开装箱

Product packing by category

一次最多可实现8组产品的分开装箱动作
The products can be catagoried to 8groups via packing

CNC编程功能

CNC programme function

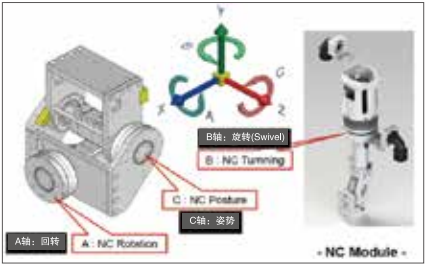
可以简单的编写自动运行程序
Capable of edit simple programme



图一
Picture

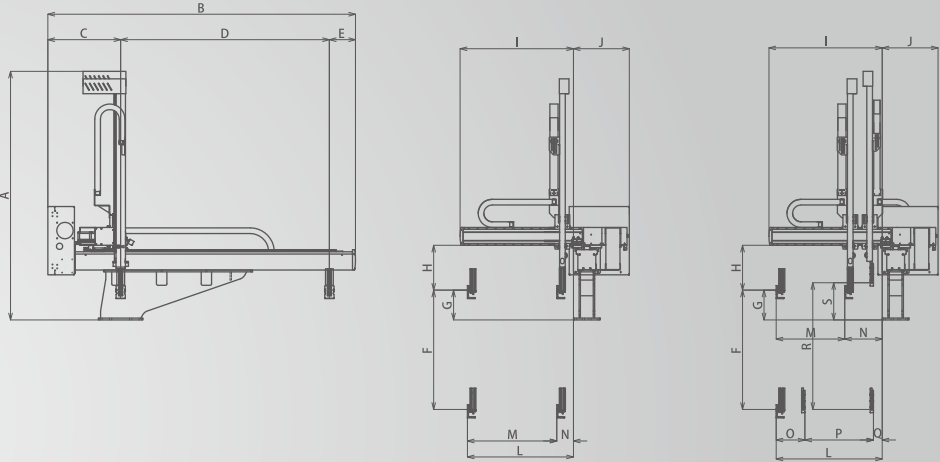


图二
Picture 2



图三
Picture 3

	功能名称 Option	说明 Description
取出侧 Product Extract Side	吸着3使用 Vacuum generate circuit 3	使用带真空发生单元3回路取出产品。 Use vacuum generate circuit 3 to extract product.
	吸着4使用 Vacuum generate circuit 4	使用带真空发生单元4回路取出产品。 Use vacuum generate circuit 4 to extract product.
	抱具3使用 Fixture 3	使用抱具3回路取出产品。 Use fixture circuit 3 to extract product.
	抱具4使用 Fixture 4	使用抱具4回路取出产品。 Use fixture circuit 4 to extract product.
	旋转功能 Rotation function	进行夹具旋转动作。可选择在模内、模外、落下侧进行旋转动作。 Chuck is able to rotate in the mold/out the mold and product release side.
落下侧 Product Release Side	NC POSTURE	将姿势或旋转轴更改为伺服轴，实现各种角度快捷、精准控制;各轴说明见上图三。(仅用于SOMA I) Change posture or rotaion axis to servo axis, achieve quick and precise control. Refer to picture 3. (only used for SOMA I)
	制品2点开放 2 point release product	在2处进行制品开放动作。 Release the product in 2 position.
	制品4点开放 4 point release product	在4处进行制品开放动作。 Release the product in 4 position.
	NT剪切 NT sprue gate cutting	以处理产品水口为目的，在落下侧的走行导轨端安装NT单元气剪，切断水口。 In order to handle sprue gate, cutting the sprue by install NT scissor.
其他 Other	警报灯 Alarm lamp	机械手发生警报异常时，警报灯亮。 when robot encounter error,the amp wi turn on.
	操作盒支架 Pedant rack	操作盒专用支架。 Exclusive rack for pendant.
	嵌件动作 Insert action	通过机械手夹具将嵌件置于模具内。 Put the insert to mold by robot chuck.



Single section AC Servo Take-out Robot
单截AC伺服取出机械手

► 主要适用范围 | Applications

etc

SINGLE
SECTION
1x

AC
SERVO

COLOR
TOUCH
SCREEN

30~180
ton
I M M

	规格 / Specification
适用注塑机 / I.M.M	30~180ton
走行(mm) / Traverse	1200/1400/1600
上下(mm) / Vertical	600/800/1000
电压 / Voltage	220V 50/60Hz
可搬重量(kg) / Payload	5

WICON-700G

● 7英寸触摸屏
7-inch touch screen

● 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)

► 一般规格 | General specifications

机型 Model	行程 Strike(mm)			空气消耗量 (NI/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
TOMA-506i G	600	600	1200	4.6	1.5	5	122
TOMA-506is G	P:600 R:650	P:460 R:460		4.7	2.3	5	136
TOMA-508i G	800	600	1400	4.6	1.5	5	130
TOMA-508is G	P:800 R:850	P:460 R:460		4.7	2.3	5	142
TOMA-510i G	1000	800	1600	4.6	1.5	5	136
TOMA-510is G	P:1000 R:1050	P:660 R:660		4.7	2.3	5	150

*TOMA系列使用ABIMAN系统时，标签对应为：TOMA-508is A（示例）。
*When the ABIMAN system is used for the TOMA series, the label will correspond to: TOMA-508is A (example).

► 外形尺寸参数 | Outer dimensions

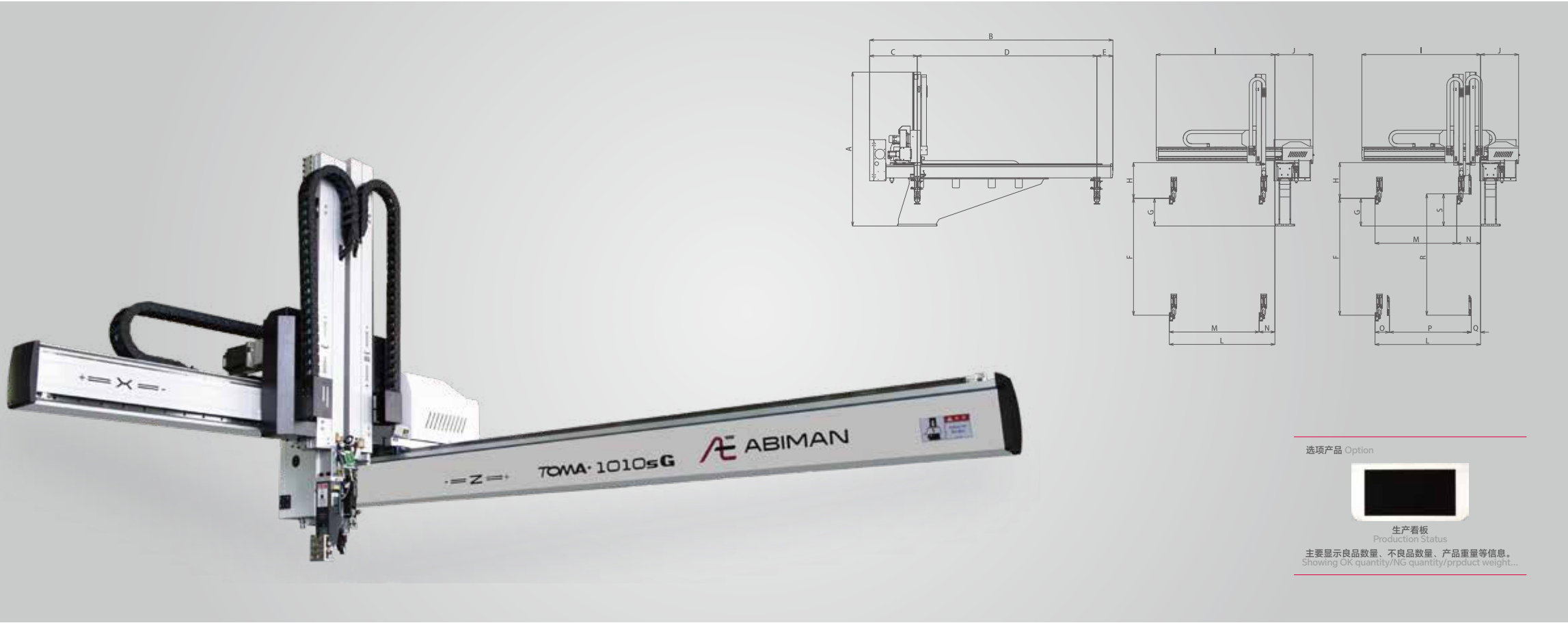
机型 Model	外形尺寸 (mm) Outer dimensions																	
	A	B	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S
TOMA-506i G	1417	1865	489	1200	176	600	200	300	760	375	712	600	112	-	-	-	-	-
TOMA-506is G	1467	1865	489	1200	176	600	200	300	760	375	712	460	252	193	460	59	650	250
TOMA-508i G	1617	2065	489	1400	176	800	200	300	760	375	712	600	112	-	-	-	-	-
TOMA-508is G	1667	2065	489	1400	176	800	200	300	760	375	712	460	252	193	460	59	850	250
TOMA-510i G	1817	2265	489	1600	176	1000	200	300	960	375	912	800	112	-	-	-	-	-
TOMA-510is G	1867	2265	489	1600	176	1000	200	300	960	375	912	660	252	193	660	59	1050	250

*AGS尺寸为标准规格，不同机型可能有所调整。
*AGS refers to standard size, which may vary according to different models.

TOMA

C

SERIES



All axes AC Servo Take-out Robot
全轴AC伺服取出机械手

► 主要适用范围 | Applications

DOUBLE
SECTION
2x

AC
SERVO

COLOR
TOUCH
SCREEN

100~550
ton
I M M

	规格 / Specification
适用注塑机 / I.M.M	100~550ton
走行(mm) / Traverse	1400/1600/2000/2200
上下(mm) / Vertical	800/1000/1300/1500
电压 / Voltage	220V 50/60Hz
可搬重量(kg) / Payload	10

WICON-700G

● 7英寸触摸屏
7-inch touch screen

● 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)

► 一般规格 | General specifications

机型 Model	行程 Strike(mm)			空气消耗量 (NI/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
TOMA-1008 G	800	600	1400	4.6	2.2	10	160
TOMA-1008s G	P:800 R:850	P:510 R:510		4.7	3	10	180
TOMA-1010 G	1000	800	1600	4.6	2.2	10	165
TOMA-1010s G	P:1000 R:1050	P:710 R:710		4.7	3	10	193
TOMA-1013 G	1300	1000	2000	4.6	2.2	10	175
TOMA-1013s G	P:1300 R:1350	P:910 R:910		4.7	3	10	205
TOMA-1015 G	1500	1000	2200 (2500)	4.6	2.2	10	183
TOMA-1015s G	P:1500 R:1550	P:910 R:910		4.7	3	10	217

*TOMA-1008/1010 标配5kg姿势气缸，TOMA-1013/1015 标配10kg姿势气缸。TOMA-10系列整体机构型材为10kg负载设计。
*TOMA-1008/1010 are standard-equipped with 5kg load-capacity posture cylinders, while TOMA-1013/1015 come standard with 10kg posture cylinders.
The structural profile of the entire TOMA-10 series is designed for a 10kg load capacity.

*TOMA-1008/1010 如需要安装10kg姿势气缸，下单时备注说明，可安装10kg姿势气缸，相关尺寸不变。
*For TOMA-1008/1010, if a 10kg posture cylinder is required, specify this in the order remarks. It can be installed without altering the original dimensions.

*已出货机械手，5kg更换10kg姿势气缸时，G尺寸变为122mm，H尺寸变为378mm，N尺寸变为265.5mm。
*For already shipped manipulators, upgrading from a 5kg to a 10kg posture cylinder will change the following dimensions: G to 122mm, H to 378mm, and N to 265.5mm.

► 外形尺寸参数 | Outer dimensions

机型 Model	外形尺寸 (mm) Outer dimensions																	
	A	B	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S
TOMA-1008 G	1233	2109	531	1400	178	800	200	300	922	424	763	600	163	-	-	-	-	-
TOMA-1008s G	1258	2108	531	1400	178	800	200	300	922	424	763	510	253	145	510	108	850	250
TOMA-1010 G	1333	2309	531	1600	178	1000	200	300	1122	424	967	800	167	-	-	-	-	-
TOMA-1010s G	1358	2309	531	1600	178	1000	200	300	1122	424	967	710	257	152	710	105	1050	250
TOMA-1013 G	1681	2709	531	2000	178	1300	300	400	1322	424	1176	1000	176	-	-	-	-	-
TOMA-1013s G	1706	2709	531	2000	178	1300	300	400	1322	424	1176	910	256	161	910	105	1350	350
TOMA-1015 G	1781	2909	531	2200	178	1500	300	400	1322	424	1176	1000	176	-	-	-	-	-
TOMA-1015s G	1806	2909	531	2200	178	1500	300	400	1322	424	1176	910	256	161	910	105	1550	350

*TOMA-1013为标准机型；TOMA-1015是在TOMA-1013的基础上，上下臂延长200mm来实现，为保证上下颤动范围控制在0.5mm内，速度调整降低30%。
*The TOMA-1015 extends the upper and lower arms by 200mm from the TOMA-1013 standard model, with a 30% speed reduction to maintain vertical vibration within 0.5mm.

*TOMA-1015(s)G选型时要确认客户对取出产品的速度，精度以及周期要求。
*When selecting the TOMA-1015(s)G model, confirm the customer's requirements for product retrieval speed, precision, and cycle time.

*TOMA系列在使用ABIMAN系统时，标签会对应为：TOMA-1008s A(样例)。
*For TOMA series units integrated with the ABIMAN system, the labeling format will follow:TOMA-1008s A(example).

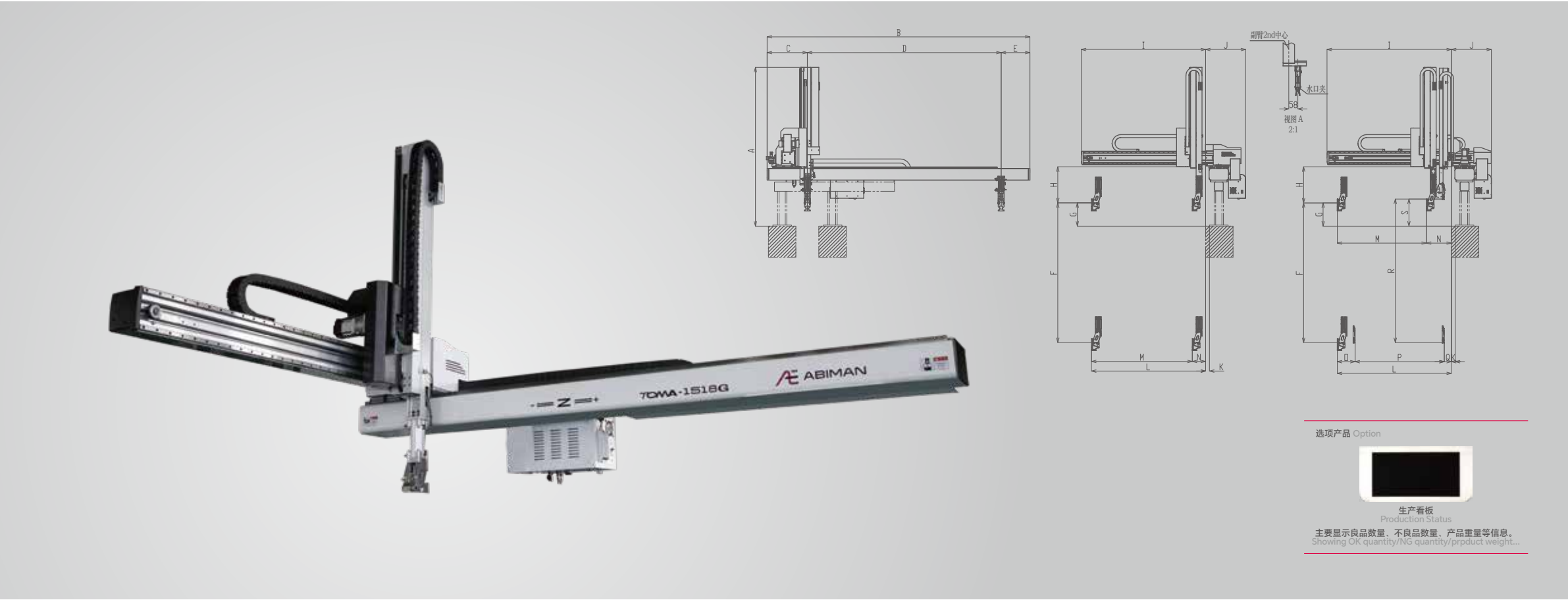
*AGS尺寸为标准规格，不同机型可能有所调整。 *AGS refers to standard size, which may vary according to different models.

*Ⓟ:产品侧 Product side Ⓡ:水口侧 Runner side ()为延长选项 ()are extended option specifications

TOMA

C

SERIES



All axes AC Servo Take-out Robot

全轴AC伺服取出机械手

► 主要适用范围 | Applications



	规格 / Specification
适用注塑机 / I.M.M	550~1000ton
走行(mm) / Traverse	2500
上下(mm) / Vertical	1600/1800/2000
电压 / Voltage	220V 50/60Hz
可搬重量(kg) / Payload	15

WICON-700G

- 7英寸触摸屏
7-inch touch screen
- 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)



► 一般规格 | General specifications

机型 Model	行程 Strike(mm)			空气消耗量 (NI/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
TOMA-1516 G	1600	1300	2500	4.6	2.2	15	600
TOMA-1516s G	P:1600 R:1650	P:1150 R:1150		4.7	3	15	640
TOMA-1518 G	1800	1300	2500	4.6	2.2	15	650
TOMA-1518s G	P:1800 R:1850	P:1150 R:1150		4.7	3	15	695
TOMA-1520 G	2000	1300	2500	4.6	2.2	15	700

*TOMA系列在使用ABIMAN系统时，标签会对应为：TOMA-1516s A(样例)。
*The TOMA-1516s A label corresponds to the TOMA series when integrated with the ABIMAN system (example).

*TOMA-1520 G如走行需延长时，需要注意配套注塑机的吨位及尺寸 [架台式样有要求]。
*For TOMA-1520 G with extended travel, ensure compatibility with the tonnage, dimensions of the injection molding machine, and comply with the frame-table specifications.

*TOMA-1518为标准机型；TOMA-1520是在TOMA-1518的基础上，上下臂延长来实现，为保证上下颤动范围控制在1mm内，速度相应调整降低30%。
*The TOMA-1520 extends the upper and lower arms from the standard TOMA-1518 model, reducing speed by 30% to maintain vertical vibration within 1mm.

► 外形尺寸参数 | Outer dimensions

机型 Model	外形尺寸 (mm) Outer dimensions																		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
TOMA-1516 G	2307	3391	519	2500	372	1600	300	465	1604	517	50	1473	1300	173	-	-	-	-	-
TOMA-1516s G	2307	3391	519	2500	372	1600	300	465	1604	517	50	1473	1150	323	230	1150	93	1650	350
TOMA-1518 G	2407	3391	519	2500	372	1800	300	465	1604	517	50	1473	1300	173	-	-	-	-	-
TOMA-1518s G	2407	3391	519	2500	372	1800	300	465	1604	517	50	1473	1150	323	230	1150	93	1850	350
TOMA-1520 G	2507	3391	519	2500	372	2000	300	465	1604	517	50	1473	1300	173	-	-	-	-	-

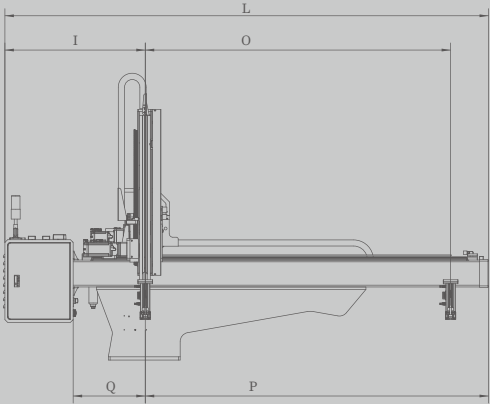
*AGS尺寸为标准规格，不同机型可能有所调整。
*AGS refers to standard size, which may vary according to different models.

*Ⓟ:产品侧 Product side Ⓡ:水口侧 Runner side

*()为延长选项 () are extended option specifications

TOMANT

SERIES



Three axis Take-out Robot

三轴牛头单臂双截机械手

► 主要适用范围 | Applications



	规格 / Specification
适用注塑机 / I.M.M	180~3000ton
走行(mm) / Traverse	1650/2200/2250/2700/3000
上下(mm) / Vertical	1100/1500/1700/1900/2200
电压 / Voltage	220V 50/60Hz
可搬重量(kg) / Payload	3/10/20

YICON-800

- 8英寸触摸屏
8-inch touch screen
- 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)



► 一般规格 | General specifications

机型 Model	行程 Strike(mm)			空气消耗量 (NI/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
TOMA-311NT	1100	500	1650	2	1.9	3	260
TOMA-1015NT	1500	1400	2200	2	2.35	10	540
TOMA-1017NT	1700	1400	2550	2	2.35	10	566
TOMA-2019NT	1900	1600	2700	8	2.9	20	1068
TOMA-2022NT	2200	1800	3000	8	2.9	20	1100

Ⓟ:产品侧 Product side Ⓡ:水口侧 Runner side
*()为延长选项 () are extended option specifications

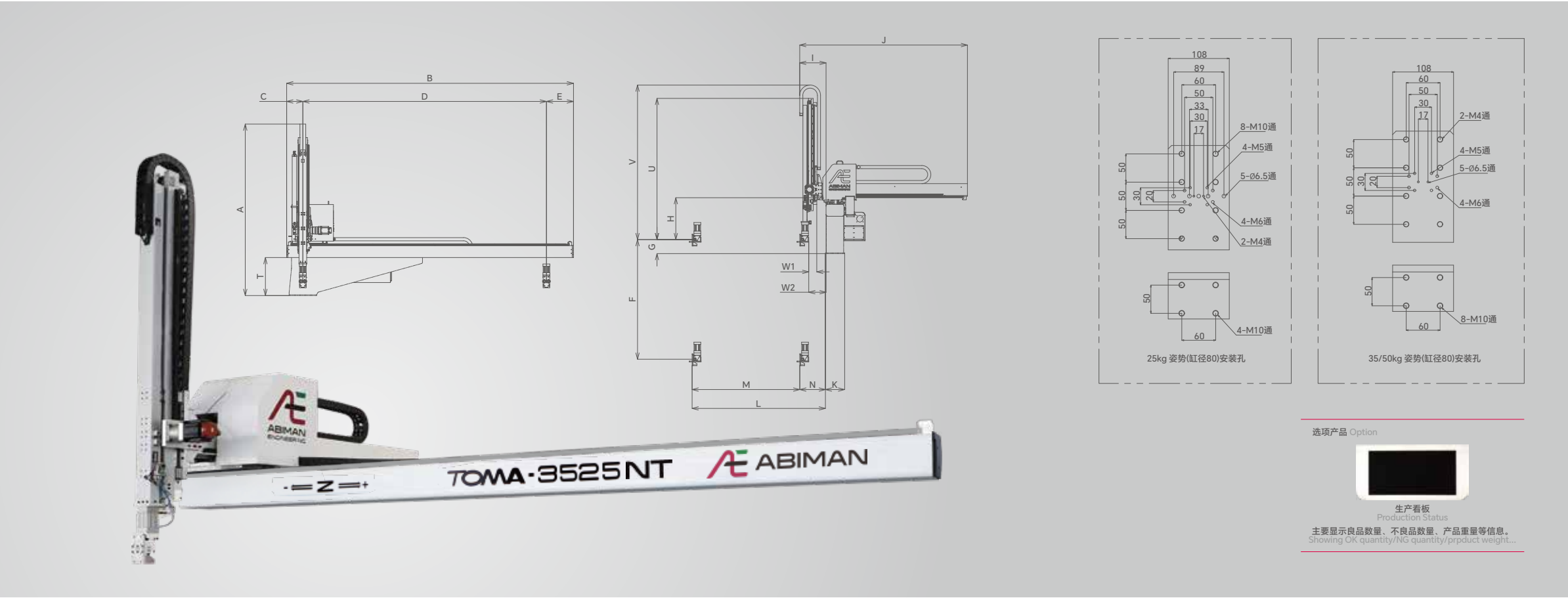
► 外形尺寸参数 | Outer dimensions

机型 Model	外形尺寸 (mm) Outer dimensions													
	A	B	D	E	F	H	I	J	L	M	N	O	P	Q
TOMA-311NT	1610	1482	796	1150	712	260	781	225	2700	510	202	1700	1911	401
TOMA-1015NT	1960	-	1814	2622	1831	350	791	90	3390	1400	431	2200	2604	403
TOMA-1017NT	2068	-	1814	2622	1831	350	791	90	3736	1400	431	2550	2955	403
TOMA-2019NT	2400	-	2069	2850	2033	405	918	160	4053	1600	433	2750	3135	530
TOMA-2022NT	2550	-	2269	3050	2233	405	910	160	4345	1800	433	3050	3435	522

*A G S 尺寸是标准尺寸，产品机型不同可以有所变动。
*A G S refers to standard size, and it might be changed according to models.

TOMANT

SERIES



Three axis Take-out Robot

三轴牛头单臂双截机械手

► 主要适用范围 | Applications



	规格 Specification
适用注塑机 I.M.M	1600-4500 ton
走行(mm) Traverse	3500/4000/4500
上下(mm) Vertical	2000/2500/3000
电压 Voltage	AC220V 3P/E 50/60Hz
可搬重量(kg) Payload	25/35/50

WICON-700G

● 7英寸触摸屏
7-inch touch screen

● 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)

► 一般规格 | General specifications

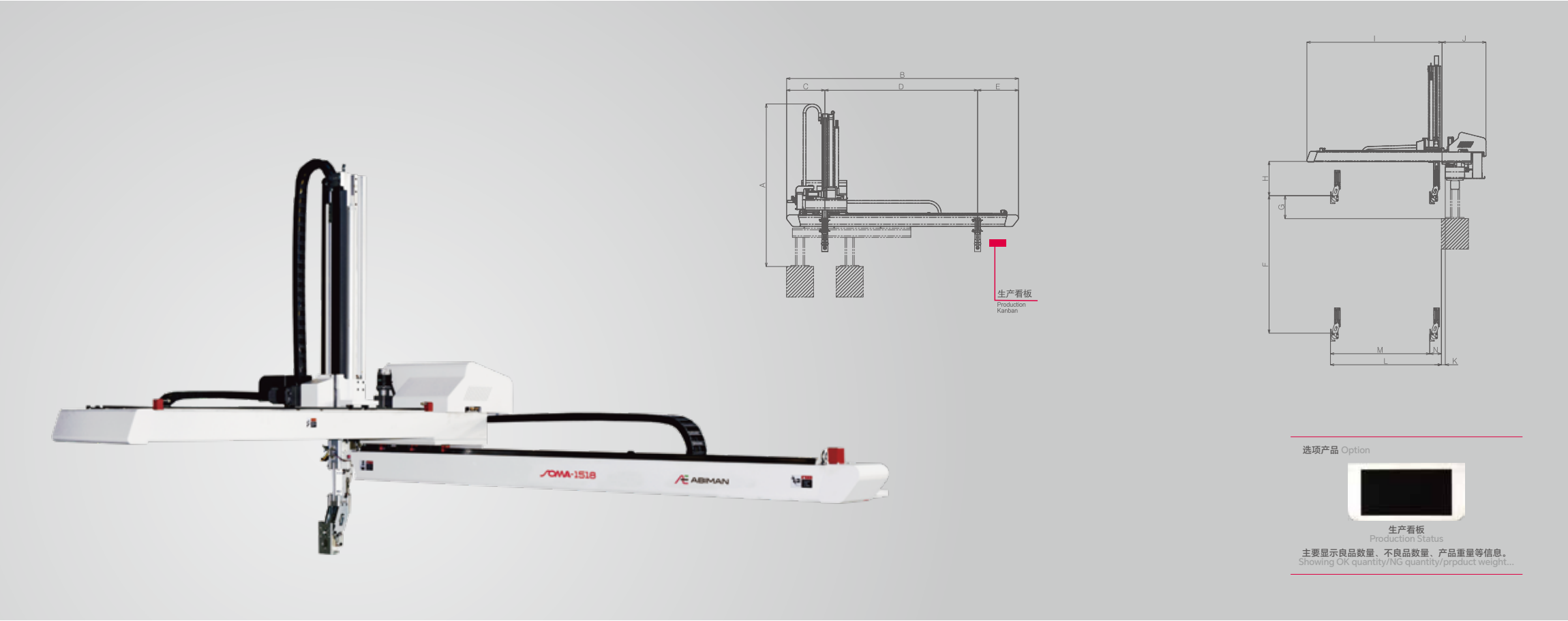
机型 Model	行程 Strike(mm)			空气消耗量 (Nl/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
TOMA-2520G NT	2000	1700	3500	8	5	25	1070
TOMA-3520G NT	2000	1800	3500	8	6	35	2120
TOMA-3525G NT	2500	1800	4000	8	6	35	2240
TOMA-5025G NT	2500	1800	4000	8	6	50	2840
TOMA-5030G NT	3000	2000	4500	8	6	50	3000

*标准机配备维修爬梯、平台和护栏。
*The standard machine is equipped with a maintenance ladder, platform, and guardrails.

► 外形尺寸参数 | Outer dimensions

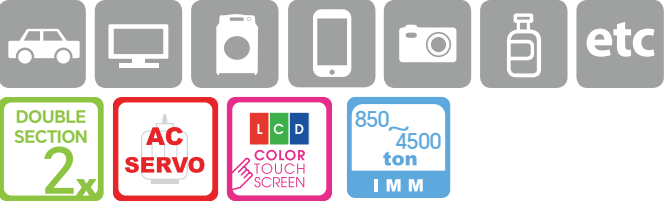
机型 Model	外形尺寸 (mm) Outer dimensions																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	T	U	V	W1	W2	
TOMA-2520G NT	2770	4210	261	3500	449	2000	400	600	428	2682	322	2108	1700	408	740	2196	2370	108	279	
TOMA-3520G NT	2953	4210	266	3500	444	2000	400	700	440	2804	322	2229	1800	429	791	2361	2553	134	289	
TOMA-3525G NT	3203	4710	266	4000	444	2500	400	700	440	2804	322	2229	1800	429	791	2611	2803	134	289	
TOMA-5025G NT	3295	4810	303	4000	507	2500	400	800	440	2904	422	2229	1800	429	880	2706	2895	134	289	
TOMA-5030G NT	3545	5310	303	4500	507	3000	400	800	440	3104	422	2429	2000	429	880	2956	3145	134	289	

* A G 尺寸是参考尺寸，根据实际架台高度 T 可以有所变动。
* The A, G dimensions are reference dimensions and can be adjusted according to the actual stand height T.
* 定模取出时，请注重确认H、W1、W2，以确保空间足够。
* During fixed mold removal, prioritize verification of H, W1, and W2 to ensure sufficient clearance.



All axes AC Servo Take-out Robot
全轴AC伺服取出机械手

► 主要适用范围 | Applications



	规格 / Specification
适用注塑机 / I.M.M	850~4500ton
走行(mm) / Traverse	2500/3500/4000/4500
上下(mm) / Vertical	1800/2000/2500/3000
电压 / Voltage	220V 50/60Hz
可搬重量(kg) / Payload	15/20/25/35/50

WICON-700

- 7英寸触摸屏
7-inch touch screen
- 各种语言可选(中、英、韩)
Various languages available
(Chinese, English, Korean)



► 一般规格 | General specifications

机型 Model	行程 Strike(mm)			空气消耗量 (NI/Cycle) Air consumption	电源设备容量 (Kva) Maxpower consumptiong	可搬重量 (Kg) Payload	重量 (Kg) Weight
	上下 Vertical	前后 Crosswise	走行 Traverse				
SOMA-1518(S)	1800	1300	2500	45	2.3	15	740
SOMA-2520	2000	1700	3000	50	3.5	25	1070
SOMA-3520	2000	1800	3500(4000)	80	6	35	2120
SOMA-3525	2500	1800	4000(4500)	83	6	35	2240
SOMA-5025	2500	1800	4000(4500)	135	6	50	2840
SOMA-5030	3000	1800	4500	140	6	50	3000

Ⓟ:产品侧 Product side Ⓡ:水口侧 Runner side
*()为延长选项 () are extended option specifications

► 外形尺寸参数 | Outer dimensions

机型 Model	外形尺寸 (mm) Outer dimensions																		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
SOMA-1518	2130	3545	505	2500	540	1800	300	445	1825	585	50	1455	1300	115	-	-	-	-	-
SOMA-2520	2608	4044	993	3000	525	2000	400	572	2088	644	100	1900	1700	160	-	-	-	-	-
SOMA-3520	2624	4982	691	3500	791	2000	400	710	2510	771	100	2200	1800	400	-	-	-	-	-
SOMA-3525	2874	5482	691	4000	791	2500	400	710	2510	771	100	2200	1800	400	-	-	-	-	-
SOMA-5025	3028	5740	835	4000	905	2500	400	760	2633	883	100	2300	1800	500	-	-	-	-	-
SOMA-5030	3278	6240	835	4500	905	3000	400	760	2633	883	100	2300	1800	500	-	-	-	-	-

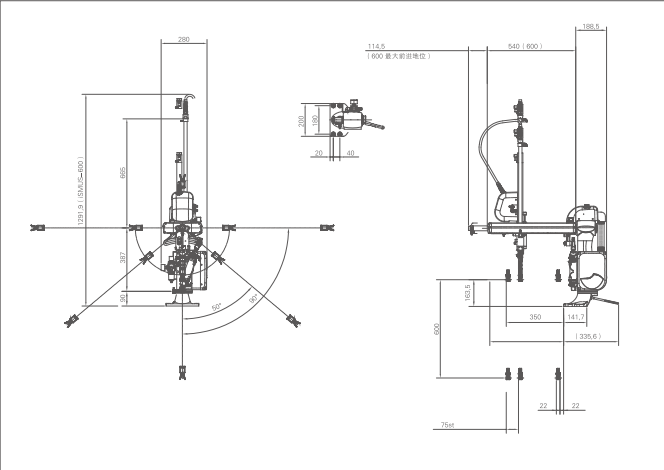
*A G S 尺寸是标准尺寸，产品机型不同可以有所变动。
*A G S refers to standard size, and it might be changed according to models.



► 产品规格 | Specifications

机型 Model		iSMUS-600
使用电源 \ Power source		AC 220V + 10%(50/60Hz)
消耗量 \ Power consumption		Max 0.3A AC 220V
使用气压 \ Air pressure		0.5MPa(5kgf/cm ²)
耗气量 \ Air consumption(NL/ Cycle)		9.0
行程 \ Strike(mm)	上下 \ Vertical	600
	前后 \ Crosswise	75
	走行 \ Traverse	50°~90°
前后待机位置 \ Reach(mm)		Max.350
上下待机位置 \ Base adjustment(mm)		163.5
最大可搬重量 \ Payload(Kg)		2kg (含夹具重量 Incl. Chuck Weight)

Swing type small-sized robot driven by air cylinder
气动气缸驱动方式，旋转式小型机械手
► 外形尺寸 | Outer dimensions



WICON-10



WICON700(G)



► 特征 | Features

- 便利性
 - 1.带时间的报警储存功能
 - 2.最多记忆100种模具
 - 3.生产数量设定功能(便利生产管理)
 - 4.通过USB与PC传输数据
 - 5.使用者操作便利(提高画面移动速度)
 - 6.支持多国语言
 - 支持4国语言(基本:韩语/英语/汉语)
 - 第四种语言改为出库国家的语言
 - 7.WICON-700G相较于WICON-700，无安全开关和三挡开关

- 性能
 - 1.RT1可控制每个伺服轴
 - 2.最多可调整256x256x256个产品落下位置，便于第二次自动化连接

- Convenience
 - 1.Alarm records by the hour
 - 2.Mold memory function up to 100 items
 - 3.Production quantity set-up function (Convenient production management)
 - 4.Data transmission by PC and USB memory stick
 - 5.Easy control (Improvement of display movement speed)
 - 6.Language support
 - 4 languages available(Standard - Korean, English, Chinese)
 - 4th language is adjustable according to the country where product is released
 - 7.WICON-700G lacks safety/three-position switches vs. WICON-700

- Performance
 - 1.RT1 function controlling each SERVO axis
 - 2.Drop location up to 256x256x256 points adjustable, which links to next process easily

计数 Counter



- 输入产品生产的数量，开启产量计数功能到达数量后发生报警
- When production quantity is inputted and production counter turns into "ON", alarm goes off when the set quantity is reached

报警记录 Alarm Record



- 按照时间顺序，从最近发生的顺序记录报警(100次)
- Hourly alarm history record from the last one (up to 100)

支持语言 Languages Support



- 可支持3国语言
- 基本语言选择为韩语/英语/汉语
- More than 3 languages available
- Korean/English/Chinese-Standard

USB存储下载 USB Data Transmission



- 可以用USB传输数据
- Data can be transmitted by USB Memory Stick

实时监控 Real time monitoring



- 通过监控实时运行波形，确认马达的扭矩及转速变化，便于了解机器运行状态
- Motor torque and rotational speed change can be confirmed by means of monitoring real-time running waveform, which can facilitate the learning of unit running status

绝对值编码器 USB of absolute encoder



- 可实现接入电源时无需原点
- Can Be connected to the power supply without origin

YICON 800

► 特征 | Features

- 8寸触摸屏手控器
- 基于A8的Linux+QT图形界面YUDO2.0，基于总线的伺服运动控制技术
- 零基础示教在线编程技术
- 支持绝对原点 and 相对原点可配置
- 支持在线修改伺服参数，清除伺服报警
- 支持码垛工艺，支持两轴同步搜索支持8轴联动技术，支持多段变速功能，功能，支持相对位移，支持无限位置
- 8-inch touch screen manual controller
- Linux + QT graphical interface based on A8 YUDO2.0, servomotion control technology based on bus
- Zero basic teaching online programming technology
- Support absolute origin and relative origin configurable
- It supports online modification of servo parameters and clearing servo alarm
- It supports 8-axis linkage technology, multi-stage speed changefunction, palletizing process, two axis synchronous searchfunction, relative displacement and infinite position

- 支持9个线程，支持16个寄存器:支持逻辑与算数运算功能，支持条件跳转与多分支指令,支持循环指令
- 支持多块10板扩展
- 输入输出采用光耦隔离，输出点带过流保护功能
- 同时搭载晶体管与继电器输出，支持单点与双点光耦输出
- 支持轴和10在线改名称，10点可替功能，支持U盘升级，数据导入导出支持多级用户权限
- 支持8个以上的各个国家的语言，支持终端用户锁机功能

- It supports 9 threads, 16 registers, logic and arithmetic functions, conditional jump and multi branch instructions, and circular instructions
- Support multiple IO board expansion
- The input and output are isolated by optocoupler, and the output point is provided with overcurrent protection function
- Equipped with transistor and relay output at the same time, support single-point and double-point optocoupler output
- It supports online name change of axis and IO, 10 point replaceable function, USB flashdisk upgrade, data import and export, and multi-level user permissions
- Support the languages of more than 8 countries and the machine locking function of end users

► 特征 | Features

- 报警存储功能
- 可以使用从No.1~No.24的24个文档文件号
- 当动作模式1~8的固定模式无法实行作业时，可自行编写动作
- 生产数量设定功能(便利生产管理)。
- 支持三国语言(基本:中文、英文)。
- 可以设定各个动作的延时计时器。
- 紧急停止输出/入功能。
- 设置用户权限。
- Alarm memory function.
- File number from No.1~No.24 can be used.
- Support to program other modes when mode 1~8 can't meet
- Customer's demand
- Set up production quantity (Benefit for production management)
- Support 3 kind languages(Basic: Chinese, English)
- Support to set delay time of each action
- Urgently stop Input / Output Setting authority of user

YUCON 800

High performance multi-axis motion controller 高性能多轴运动控制器



YUCON-800 控制器是一种机器人控制解决方案，旨在提高生产力。直观的用户界面设计允许简单且用户友好的设置，提供可靠的操作，延长取出时间并提高生产力。

The YUCON-800 Controller is a robot control solution designed for increased productivity. The intuitive UI design permits simple and userfriendly setup, providing reliable operation with enhanced take-out times and increased productivity.

► 基本规格 | Basic specifications

- 可视化
 - i.MX6四核 ARM Cortex-A9 内核，1GHz
 - 嵌入式 Linux/8" TFT-LCD/触摸屏/14x8 Key SW
 - USB 2.0 主机、SD 卡
 - i.MX 6 Quad ARM Cortex-A9 Core, 1GHz
 - Embedded Linux /8" TFT-LCD / Touch screen /14x8 Key SW
 - USB 2.0 Host, SD-card
- 控制和 I/O
 - AM3352 ARM Cortex-A8 内核，1GHz
 - IO板/通讯: ARM 32bit Cortex-M3 Core/CAN Link
 - 驱动器通讯: 高速RS-485 /Modbus-RTU
 - SPI或 EUROMAP12/67 机器人接口
 - 上链路(IMM, MES): Modbus-TCP
 - AM3352 ARM Cortex-A8 Core, 1GHz
 - IO Board /Communication : ARM 32bit Cortex-M3Core / CAN Link
 - Driver communication : High speed RS-485 / Modbus-RTU
 - SPI Or EUROMAP12/67 Robot interface
 - Upper Link(IMM, MES) : Modbus-TCP
- 伺服驱动器和电机
 - 高速 RS-485/Modbus-RTU
 - 高性能振动控制/S曲线运动控制
 - SPMSM 高效伺服电机和23位高分辨率编码器
 - High speed RS-485/Modbus-RTU
 - High performance vibration control /S-Curve motion control
 - SPMSM High efficiency servo motor & 23bit high resolution encoder

► 客户价值 | Customer value

- 方便使用
 - 用户友好的用户界面设计
 - 通过手册和动画轻松理解
 - 用户配置运动模式
 - 提供样本、初始、不良排放和统计数据
 - User-friendly UI design
 - Easy understanding through manuals and animations
 - User configures motion pattern
 - Providing the sample, initial, bad emissions and statistics as well
- 控制器可靠性
 - 优化设计提高系统可靠性
 - 通过再生能源的循环利用实现节能
 - 可靠的加热控制
 - Optimizing design improves system reliability
 - Energy saving by recycling of regenerative energy
 - Reliable heating control
- 程序灵活性
 - 通过 ABIMAN 独特的模式设置轻松操作
 - 通过用户程序轻松添加各种动作
 - 应对各种市场需求
 - Easy operation with ABIMAN's unique mode setting
 - Easily add various actions by users program
 - Respond to various market needs

WICON IO



► 选项 | Option

- 注塑工艺优化机(MTC、Chiler等)的集成控制和监控
- 生产力和设备错误报告(电子邮件、短信)
- Integrated control and monitoring of injection process optimization machine (MTC, Chiller, etc.)
- Productivity and equipment error report (E-mail, SMS)

传送带 Belt Conveyor



► 特征 | Features

- 全机由高精度铝合金结构梁组成,结构超耐久不变形,经久耐用
- 双边高度可调节,调整使用更方便，手轮调整轻松容易
- 附四个脚轮,移动方便:四支固定脚可以折，不用时不占空间
- 皮带运转速度可以调整，方便使用
- 附机械手链接准接头，与机械手连接方便快捷

- The whole machine is composed of high-precision aluminum alloy structural beam, which is super durable, nondeformable and durable
- The height of both sides can be adjusted, which makes it more convenient to use and adjust the hand wheel
- Attached with four casters, easy to move; The four fixed feet can be folded and do not occupy space when not in use
- The running speed of the belt can be adjusted, which is convenient to use
- It is equipped with a manipulator chain connector to connect with the manipulator quickly

► 产品规格 | Specifications

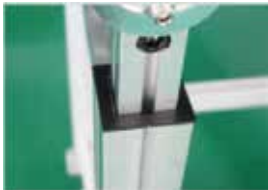
机型 Model		CONVEYOR-300	CONVEYOR-400	CONVEYOR-500	CONVEYOR-600	CONVEYOR-700
使用电源 / Power source		AC 220V ± 10V 50Hz				
皮带宽度 / Belt width (mm)		300	400	500	600	700
输送带长度 / Conveyor Length (mm)		1500/2000/2500/3000/4000/5000/6000				
平斜式 Slope Type	低端高度 / Low End H1(mm)	700~1000				
	高端高度 / High End H2(mm)	1000~1600				
平行式 Flat Type	整体高度 / Wholeness H(mm)	900~1300(常规)				
输送速度 / Speed (m/min)		4.8				

► 产品简介 | Product introduction

传送带也叫输送带或运输带，是组成节奏流水作业线所不可缺少的经济型物流输送设备。传送带按真输送能力可分为重型传送带如矿用传送带，轻型传送带如用在电子和塑料、食品和轻工、化工和制药等行业。传送带输送能力强，输送距离远，结构简单易于维护，能方便地实行程序化控制和自动化操作。

Belt conveyor, also known as belt conveyor or belt line, is an indispensable economic logistics conveying equipment forming a rhythmic assembly line. Belt conveyors can be divided into heavy-duty belt conveyors such as outdoor belt conveyors, and lightweight belt conveyors such as those used in industries such as electronics and plastics, food and light, and chemical and pharmaceutical industries based on their true conveying capacity. The belt conveyor has high conveying capacity, long conveying distance, simple structure and easy maintenance, and can easily implement programmed control and automated operation.

► 产品标准样式 | Product standard style

调跑偏装置 Adjusting the deviation device	防尘设计 Dust proof design	丝杆可调节升降台 Screw adjustable lifting table	马达 Motor	轴承端盖 Bearing end cover
				
加厚铝块表面阳极处理 Anodic treatment of thickened aluminum block surface	防尘端盖设计 防止灰尘进入,也可防止横切面锋利造成误伤 The dustproof end cover design prevents dust from entering and can also prevent employees from being injured by sharp cross-sectional surfaces	可调节所需的高度，操作简单，方便实用。 Adjustable height, easy to operate, convenient and practical.	动力最低采用60w马达常规配1:30牙箱，是常规整机载重。 The minimum power is a 60W motor with a 1:30 gearbox, which is the standard overload capacity.	轴承防尘端盖设计，方便后期保养 Bearing dustproof end cover design, convenient for later maintenance

1.5厚镀锌板 1.5 thick galvanized sheet	绿色PVC皮带 Green PVC belt	橡胶脚轮 Rubber caster	机械手联动 Robot linkage	调速器 Governor
				
皮带之间采用1.5mm加厚镀锌板承重,使整机承载轻松,机器稳当结实。 1.5mm thick galvanized sheet is used between the belts for load-bearing, making the entire machine easy to carry and stable and sturdy.	PVC材质皮带，包括普通型和爬坡挡板式，优点是防尘防静电耐磨防油。可根据需求选择。 PVC material belts, including ordinary and climbing baffle types, have the advantage of being dustproof, anti-static, wear-resistant, and oil resistant. You can choose according to your needs.	带刹车设计，稳定性强，质量可靠，方便移动 With brake design, strong stability, reliable quality, and easy to move	需要机械手控制器内程序控制输送带。 The conveyor belt needs to be controlled by a program in the robotic arm controller.	速度可调,经久耐用噪音小，产品稳定性高，品质保证 Adjustable speed, durability, low noise, high product stability, and guaranteed quality

工厂自动化 Factory Automation

通过工厂自动化，实现降低成本、提高生产效率
Cost down and production efficiencyimprovement via factory automation

- 拥有实力强劲的技术人员(自动化，数控系统，软件，现场工程师)

■ 多关节机器人应用技术

■ 三维设计技术(Solidworks, Catia, UG NX)

■ 应用CAM技术的数控系统，机器人铣削自动化

■ 根据长期积累的自动化经验，提供最优化的自动化解决方案

■ 多样的检测技术，适用于自动化(重量检测，视觉检测，激光传感器位移传感器，电气试验)

■ 工装夹具

■ Engineers with knowledge and experience (Allare experts on automatic, numerical controlsystem,software and process)

■ Capable to produce mutiple aiticulated robot

■ 3D desian tachtique(slidworks, catia and UGNX)

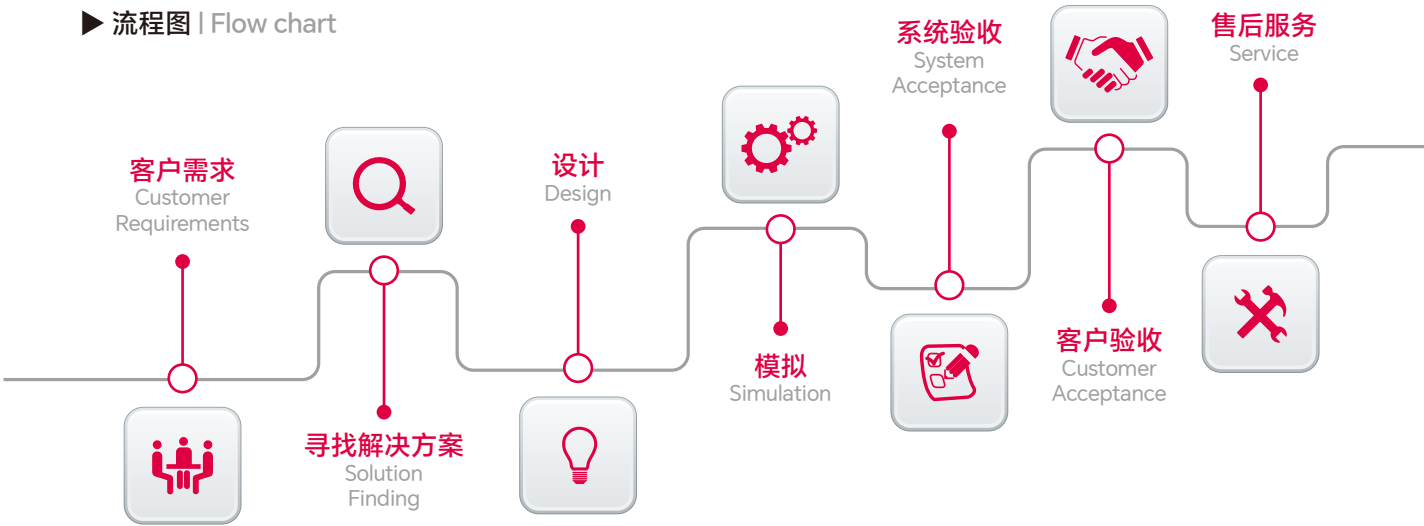
■ Applying numerical system with CAM technique, equipped with automatic miling machine

■ Provide optimal automatic solutions based on rich experience

■ Mutiple inspection techniques have been used in automation (Such as weight measuringsvision inspection/Laser detection/deplacement sensor/electrical test).

■ Capable of fabricate all kinds of fixtures

► 流程图 | Flow chart



工厂自动化 Factory Automation

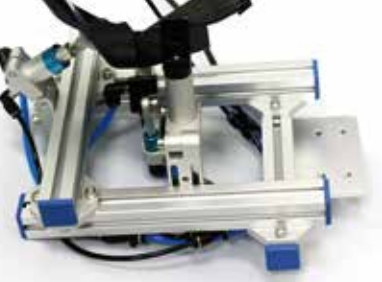
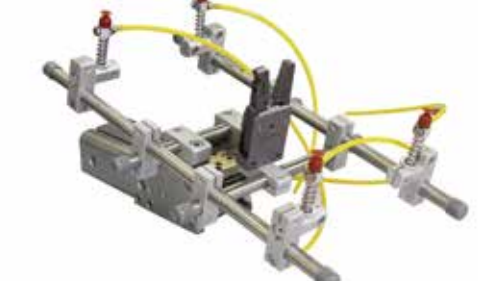
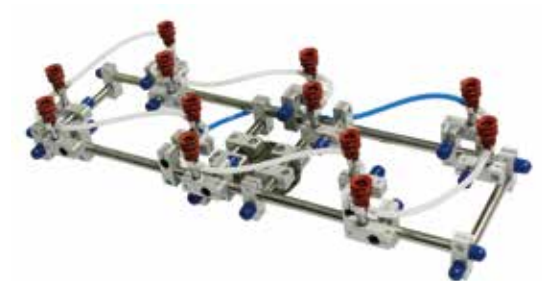
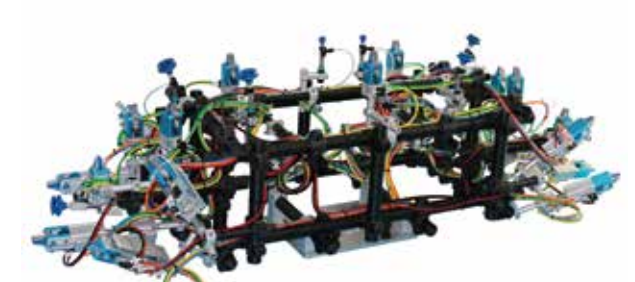
引领全球自动化技术
Woed-leading automation technology

ABIMAN FA在整个注塑成型过程中，会优先考虑创造客户的附加价值。亲自参与客户的工业链，站在客户的角度上提供改善方案，所有产品的开发制造工程，提供最佳的解决方案是一贯的作风。

ABIMAN FA will give priority to creating customer added value in theentire iniecton molding process.Personally participate in the customer's industrial chain, provide improve.ment plans from the customer's perspective.The development and manufacturing of all products, providing the bestsolution is a consistent style.



夹具系统 Gripper System

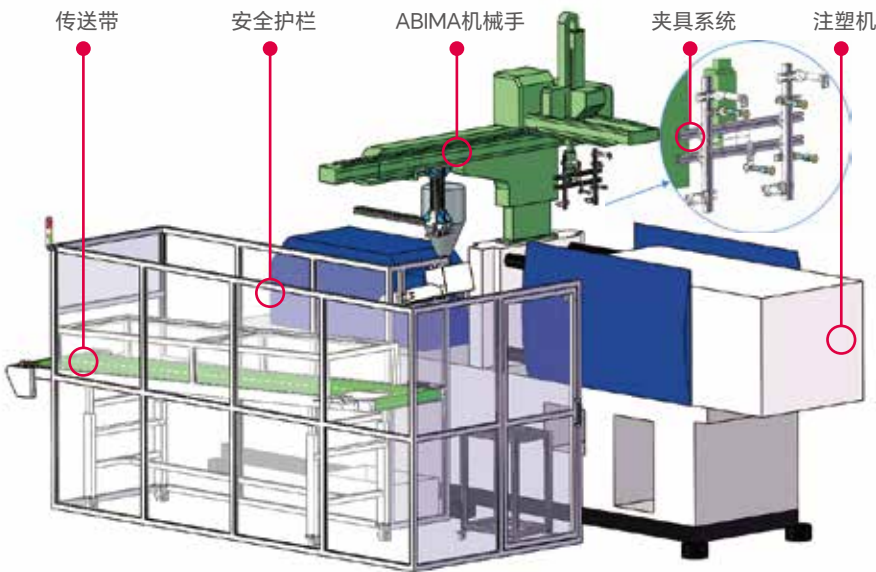


柳道公司提供从精密部品到汽车保险杠等各种各样取出方式夹具
ABIMAN CHINA provides various kinds of fixture fortaking out from precision parts to car bumpers

速度快，交换方便，提高生产能力!
Quick, Speed, Easy Change, High Efficiency

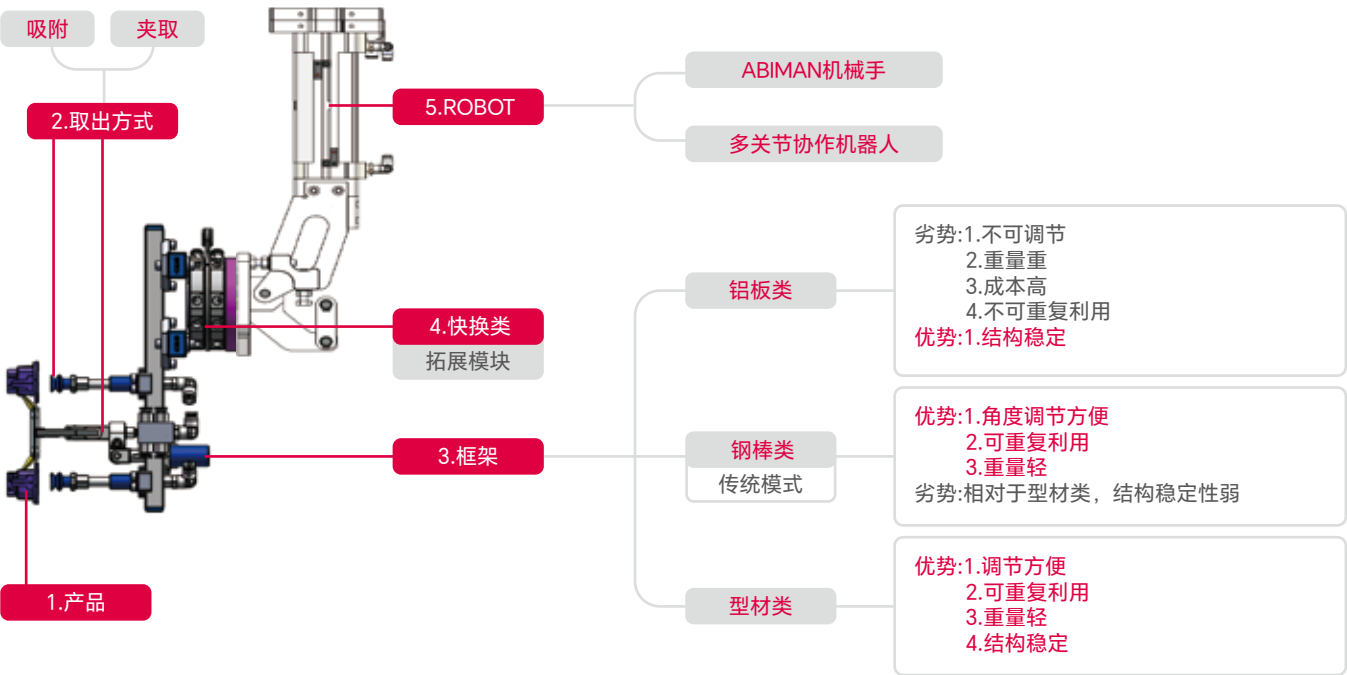
NO	品名	形式	数量
1	型材	4.Y00455 PEP2518-400	2
2	型材	4.Y00455 PEP2518-300	3
3	型材端盖	4.Y00069 P2518	10
4	固定支架	7.Y00201-T SMBE1-1040T	4
5	十字型材连接件	7.YO0194-T SMBA-2525T	6
6	可旋转悬件	8.Y00325 VFR1021-M5	4
7	吸盘FGA系列	1.Y12299 FGA-14-...	4
8	吸盘座	VM18-M5	4
9	平直连接器	7.Y00014-T SMBE-2014T	1
10	缓冲支架	8.Y00332 GSRT2026-10	1
11	水口夹具GR12系列	8.Y00091 GR12A-12-CN	1
12	汇流排	7.YO0229-T SMB-5G18T	1
13	机械手侧的快速转换模块	8.YO0054 QC-R50	1
14	治具侧的快速转换模块	8.Y00055 QC-G50	1

► 应用场景 | Application scenario



► 夹具制作流程 | Fixture production process

取出夹具分为3大模块
Take out the fixture and divide it into three major modules



吸附类模块选型
Selection of adsorption modules

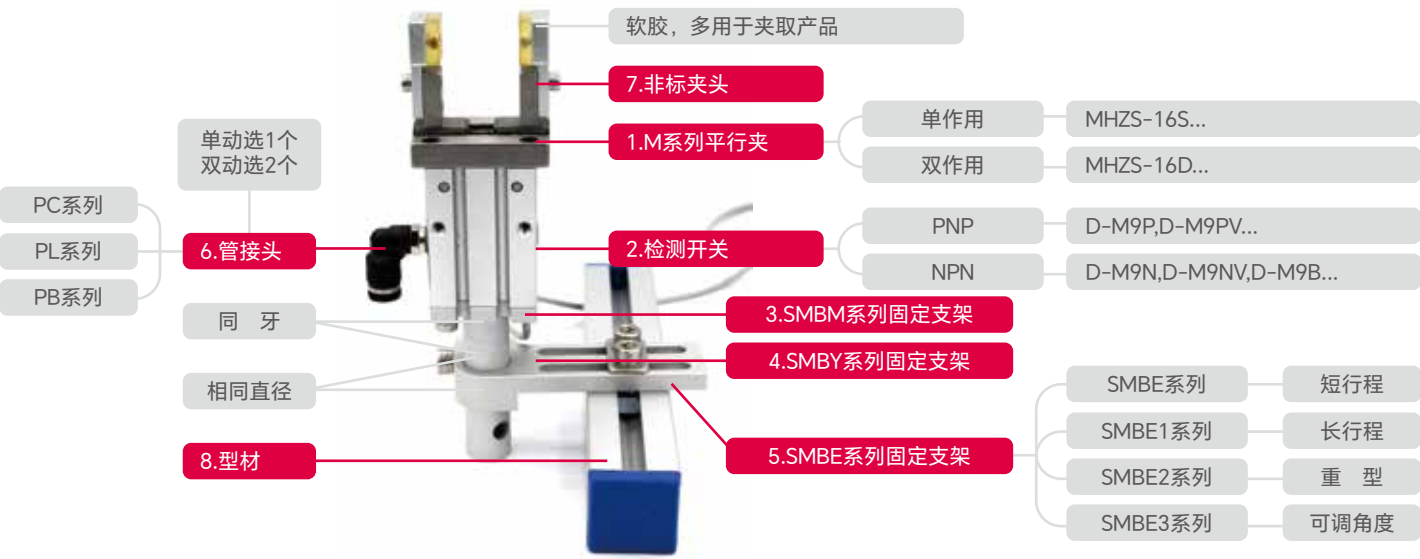


水口夹的主要固定方式
The main fixing method of the nozzle clamp



系列平行夹选型

Series parallel clamp selection



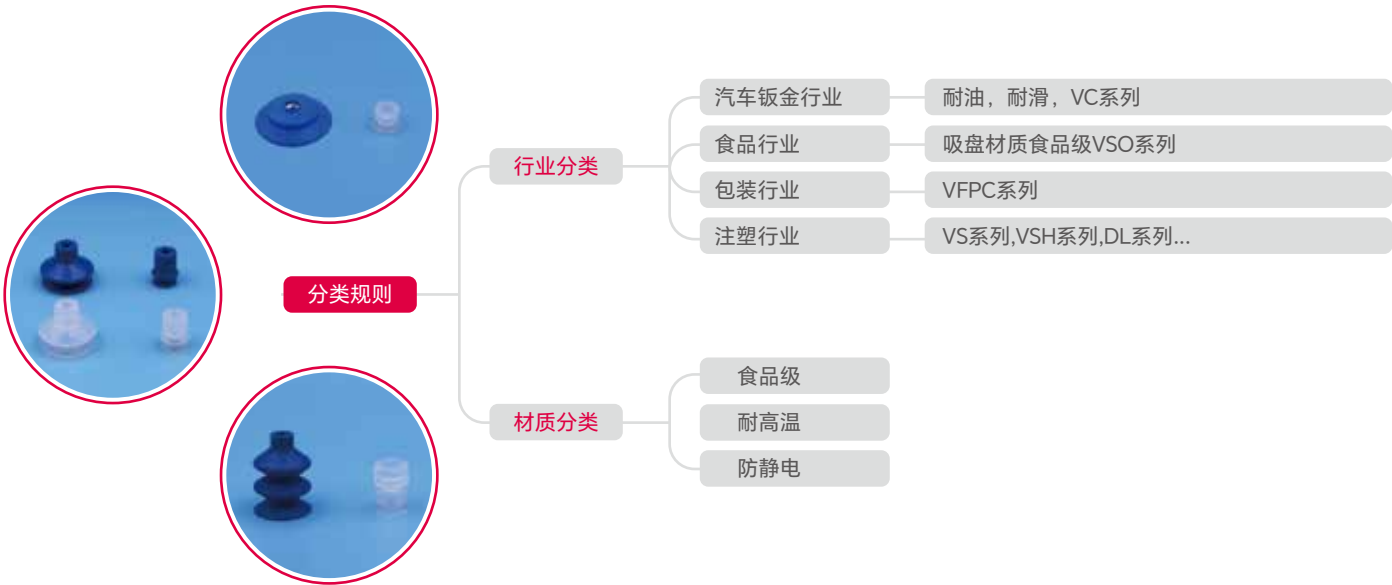
GR系列水口夹

GR series nozzle clamp



吸盘选型详略

Detailed selection of suction cups



吸盘选型详略

Detailed selection of suction cups



FOS SERIES

水:+30~180℃ 油:+45~300℃
Water:+30~180℃ Oil:+45~300℃



FOS-1000 Series (Water)



FOS-3000&4000 Series (Oil)

► 特征 | Features

- 预热系统:在设定的温度和时间下对模具进行预热。
- 冷却与加热系统:通过精确控制冷却水和加热介质确保最佳成型条件。
- 高流量/高温:根据工厂实际生产情况使用大容量的泵和加热器。
- Preheating system :Preheating the mold at a selected temperature and time.
- Cooling and heating system :Securing optimal molding conditions by accurately controlling cooling water and a heating medium.
- High flow rate High temperature :Using a large-capacity pump and heater according to actual production conditions in factories.

提供满足顾客多样要求的特殊产品 Offering differentiated models for varied customer requirements

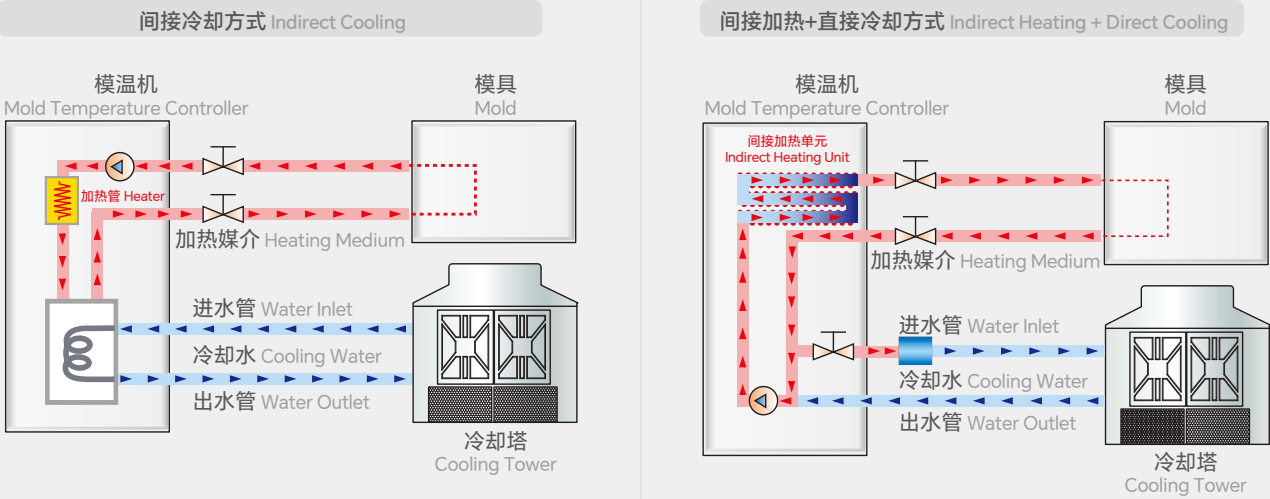
- 预热系统:在要求的时间内把模具温度预热到要求的温度
 - 冷却与加热系统:通过对冷却水与加热用的媒体的控制，确保高质量成型
 - 大容量/高温规格:按顾客的车间条件，适用大容量水泵与加热管
- Preheating system: Preheating the mold within requiredtemperature and time.
 - Cooling and heating system: Securing optimal molding conditionsby accurately controlling cooling water and a heating medium.
 - High flow rate /High temperature: Using a large-capacity pump andheater according to actual production conditions in customers'factories.

► 标准型号 | Specifications

机型 Model	热媒体 Medium	使用温度范围 Temperature range	冷却方式 Cooling type	流量 (L/min) Flow rate	Zone	控制器 Controller
FOS-1000-H Series	清水 Clean Water	MAX 120℃	直接冷却 Direct cooling(Closed type)	60~350	Single Zone	P.I.D Touch panel
		MAX 160℃	直接冷却 Direct cooling(Closed type)	40~160	Single Zone	P.I.D Touch panel
		MAX 180℃	直接冷却 + 间接冷却 Direct cooling Indirect cooling	60~160		
FOS-1000-GH Series (光学专用) (Optics specific)	清水 Clean Water	MAX 160℃	直接冷却 Direct cooling(Closed type)	60~90	Single Zone	P.I.D Touch panel
		MAX 180℃	直接冷却 + 间接冷却 Direct cooling Indirect cooling	60~90		
FOS-3000 Series	导热油 SKY-THERM(oil)	MAX 180℃	间接冷却 Indirect cooling(Open type)	30~150	Single Zone	P.I.D LED panel
FOS-4000 Series	导热油 SKY-THERM(oil)	MAX 300℃	间接冷却 Indirect cooling(Open type)	100~200	Single Zone	P.I.D LED panel

** "SKY THERM" 导热油是模具温度控制机专用热媒体，适用于油用设备。" SKY THERM " is only for mold temperature controllers.
*关于Thermal oil油的使用，请咨询我公司。If normal thermal oil is selected, please contact us before using it.

根据冷却方式的分类 Classification by cooling type



- 板式换热器，换热效率高（翅片间距4mm）
 - 温度稳定良好
 - 便于更换与管理热媒体
 - 最大化减少热损失
 - 防止产生水垢
- Plate heat exchanger, high thermal efficiency (4 mm fin spacing)
 - Good thermal stability
 - Easy exchange and maintenance of heating medium
 - Minimizing heat loss
 - Scale prevention
- 温度控制效率高
 - 媒体循环压力高（补水压+水泵压）
 - 精确温度控制与低温温度控制容易
- High efficiency in temperature contro
 - Operating at a high circulationpressure(Water supply pressure +Pump pressure)
 - Precise temperature control and lowtemperature control

FOS1000H SERIES

高流量高扬程模具温度控制器 High Flow & High Head-Capacity Mold Temperature Controller



► 特征 | Features

- 不锈钢主体
- 全高清液晶触摸屏
- 回媒温度
- RS-485
- SSR 控制
- 压力显示
- Stainless steel body
- Full HD LCD touch screen
- Return medium temperature
- RS-485
- SSR control
- Pressure display

► 选项 | Option

- 流量检测
- 模腔排水(手动/自动)
- Traffic detection
- Cavity drainage (Manual/Automatic)

► 一般规格 | General specifications

机型 Model	FOS-1060-120H	FOS-1090-120H	FOS-1200-120H	FOS-1250-120H	FOS-1350-120H
电压/Voltage	AC 380V/220V±10%, 50Hz(STANDARD)/60Hz (OPTION) 3phase+E(三相四线制)				
温度控制方式/Temperature control method	显示精度 / Display accuracy PID(±0.25℃)				
最高温度/Maximum temperature	MAX 120℃				
热媒体/Heating medium	清水 / Clean water				
水泵 (kw)/Motor 50/60hz	0.75	1.5	2.2	5.5	7.5
冷却能力(kw//1kw=860kcal)/Cooling capacity	30	40	50	120/150	120/150
最高吐出压力(bar)/Maximum discharge pressure 50/60hz	4	5	3.5	10	7
使用工作压力(bar)/Use work pressure 50/60hz	3	3.5	3	8	7
最高吐出流量(L/min)/Maximum discharge volume 50/60hz	60/64	90/97	200/216	250/270	350/378
加热管(kw) SSR /Heater	8	12	12	24/36	24/36
加热-冷却方式/Heating-Cooling type	间接加热-直接冷却 / Indirect heating-direct cooling				
显示方式/Display	触摸式样(标准) / touch screen(standard)				
温度检测方式/Temperature sensor method	(K型)传感器 / Sensor				
水位检测方式/Water level detection method	压差式 / Floating switch				
冷却水补水压力/Cooling water replenishment pressure	0.2-0.4 Mpa				
显示警报/Alarm display	电源逆相/泵浦过载/加热超温/温度传感器故障/温度过高/加热失效/进水水压低/媒体不足				
冷却水入\出口 /Coolant Inlet\Outlet	10A (PT 3/8")	15A(PT 1/2")	15A (PT 1/2")	25A (PT 1")	25A (PT 1")
媒体出水口&回水口分水器 Medium Outlet&Medium Inlet	20A(10A(3/8")x4) 20A(10A(3/8")x4)	32A(10A(3/8")x8) 32A(10A(3/8")x8)	32A(10A(3/8")x8) 32A(10A(3/8")x8)	50A 50A	50A 50A
总功率(kw)/Total power	8.75	13.5	14.2	29.5/41.5	31.5/43.5
外形尺寸(L*W*H)mm/Size	640x210x590	710x255x720	900x300x680	1200x425x1070	1200x425x1070
重量(kg)/Weight	50	65	80	220	250

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*冷却水使用量：全系列 20 ~30 L/min。Cooling water consumption: all series 20~30 L/min.

*冷却水补水压力：全系列 0.2-0.4mpa。Cooling water make-up pressure: all series 0.2-0.4mpa .

*触摸屏方式：数据拷贝，RS-485,温度曲线，压力曲线，回水温度 是标准式样。
Select the touch screen mode: data copy, RS-485, temperature curve, pressure curve, return water temperature are standard styles.

FOS1000H SERIES

高流量高扬程模具温度控制器 High Flow & High Head-Capacity Mold Temperature Controller



► 特征 | Features

- 不锈钢主体
- 全高清液晶触摸屏
- 回媒温度
- RS-485
- SSR 控制
- 压力显示
- Stainless steel body
- Full HD LCD touch screen
- Return medium temperature
- RS-485
- SSR control
- Pressure display

► 选项 | Option

- 流量检测
- 模腔排水(手动/自动)
- 2路水模块
- Traffic detection
- Cavity drainage (Manual/Automatic)
- 2-channel water module

► 一般规格 | General specifications

机型 Model	FOS-1040-160H	FOS-1120-160H	FOS-1160-160H
电压/Voltage	AC 380V/220V±10%, 50Hz(STANDARD)/60Hz (OPTION) 3phase+E(三相四线制)		
温度控制方式/Temperature control method	显示精度 / Display accuracy PID(±0.25℃)		
最高温度/Maximum temperature	MAX 160℃		
热媒体/Heating medium	清水 / 纯净水 / Clean water		
水泵 (kw)/Motor 50/60hz	0.75	2.2	3
增压泵 (kw/L/min\bar)/Booster pump	0.053kw(2P)\16bar	0.15kw(3P)\16bar	
冷却能力(kw/1kw=860kcal)/Cooling capacity	30	80	120
最高吐出压力(bar)/Maximum discharge pressure 50/60hz	4.5	8	10
使用工作压力(bar)/Use work pressure 50/60hz	3.5	6	7
最高吐出流量(L/min)/Maximum discharge volume 50/60hz	40/43	120/129	160/172
加热管(kw) SSR /Heater	8	16(8+8)	24(12+12)
加热-冷却方式/Heating-Cooling type	间接加热-直接冷却 / Indirect heating-direct cooling		
显示方式/Display	触摸式样(标准) / Touch screen(standard)		
温度检测方式/Temperature sensor method	(K型)传感器 / Sensor		
冷却水补水压力/Cooling water replenishment pressure	0.2-0.4 Mpa		
显示警报/Alarm display	电源逆相/泵浦过载/加热超温/温度传感器故障/温度过高/加热失效/进水水压低/媒体不足		
冷却水入\出口 /Coolant Inlet\Outlet	10A (PT 3/8")	10A (PT 3/8")	10A (PT 3/8")
媒体出水口&回水口分水器 Medium Outlet&Medium Inlet	20A(10A(3/8")x4) 20A(10A(3/8")x4)	25A 25A	25A 25A
总功率(kw)/Total power	8.75	18.2	27
外形尺寸(L*W*H)mm/Size	650x200x550	950x355x850	950x355x850
重量(kg)/Weight	55	120	140

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*冷却水使用量：全系列 20 ~30 L/min。Cooling water consumption: all series 20~30 L/min.

*冷却水补水压力：全系列 0.2-0.4mpa。Cooling water make-up pressure: all series 0.2-0.4mpa .

*触摸屏方式：数据拷贝，RS-485,温度曲线，压力曲线，回水温度 是标准式样。
Select the touch screen mode: data copy, RS-485, temperature curve, pressure curve, return water temperature are standard styles.

FOS1000H SERIES

高流量高扬程模具温度控制器 High Flow & High Head-Capacity Mold Temperature Controller



► 特征 | Features

- 不锈钢主体

■ 全高清液晶触摸屏

■ 回媒温度

■ RS-485

■ SSR 控制

■ 压力显示
- Stainless steel body

■ Full HD LCD touch screen

■ Return medium temperature

■ RS-485

■ SSR control

■ Pressure display

► 选项 | Option

- 流量检测

■ 模腔排水(手动/自动)

■ 2路水模块
- Traffic detection

■ Cavity drainage (Manual/Automatic)

■ 2-channel water module

► 一般规格 | General specifications

机型 Model	FOS-1120-180H	FOS-1160-180H
电压/Voltage	AC 380V/220V±10%, 50Hz(STANDARD)/60Hz (OPTION) 3phase+E(三相四线制)	
温度控制方式/Temperature control method	显示精度 / Display accuracy PID(±0.25℃)	
最高温度/Maximum temperature	MAX 180℃	
热媒体/Heating medium	清水/纯净水 / Clean water	
水泵 (kw)/Motor 50/60hz	2.2	3
增压泵 (kw/l/min/bar)/Booster pump	0.15kw(3P)/16bar	
冷却能力(kw/1kw=860kcal)/Cooling capacity	80	120
最高吐出压力(bar)/Maximum discharge pressure 50/60hz	8	10
使用工作压力(bar)/Use work pressure 50/60hz	6	7
最高吐出流量(L/min)/Maximum discharge volume 50/60hz	120/129	160/172
加热管(kw) SSR /Heater	16 (8+8)	24 (12+12)
加热-冷却方式/Heating-Cooling type	间接加热-直接冷却 / Indirect heating-direct cooling	
显示方式/Display	触摸式样(标准) / Touch screen(standard)	
温度检测方式/Temperature sensor method	(K型)传感器 / Sensor	
冷却水补水压力/Cooling water replenishment pressure	0.2-0.4 Mpa	
显示警报/Alarm display	电源逆相/泵浦过载/加热超温/温度传感器故障/加热失效/进水水压低/流量低/增压泵异常/系统压力高/水泵压力低 Power reverse phase / pump overload / heating over temperature / temperature sensor failure / heating failure / low inlet water pressure low flow / abnormal booster pump / high system pressure / low water pump pressure	
冷却水入\出口/Coolant Inlet\Outlet	10A (PT 3/8")	10A (PT 3/8")
媒体出水口&回水口分水器 Medium Outlet&Medium Inlet	25A 25A	25A 25A
总功率(kw)/Total power	18.2	27
外形尺寸(L*W*H)mm/Size	950X355X850	950X355X850
重量(kg)/Weight	120	140

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*冷却水使用量：全系列 20 ~30 L/min。Cooling water consumption: all series 20~30 L/min.

*冷却水补水压力：全系列 0.2-0.4mpa。Cooling water make-up pressure: all series 0.2~0.4mpa.

*触摸屏方式：数据拷贝，RS-485,温度曲线，压力曲线，回水温度 是标准式样。
Select the touch screen mode: data copy, RS-485, temperature curve, pressure curve, return water temperature are standard styles.

FOS1000GH SERIES

高性能模温机（光学样式） High Performance Mold Temperature Controller (Optical Style)



► 特征 | Features

- 不锈钢主体

■ 全高清液晶触摸屏

■ 回媒温度

■ RS-485

■ SSR 控制

■ 压力显示

■ 流量检测

■ 模腔排水(自动)
- Stainless steel body

■ Full HD LCD touch screen

■ Return medium temperature

■ RS-485

■ SSR control

■ Pressure display

■ Traffic detection

■ Cavity drainage (automatic)



► 一般规格 | General specifications

机型 Model	FOS-1060-160GH		FOS-1090-160GH		FOS-1060-180GH		FOS-1090-180GH	
电压/Voltage	AC 380V/220V±10%, 50Hz(STANDARD)/60Hz (OPTION) 3phase+E(三相四线制)							
温度控制方式/Temperature control method	显示精度 / Display accuracy PID(±0.1℃)							
最高温度/Maximum temperature	MAX 160℃-光学专用\Optics specific				MAX 180℃-光学专用\Optics specific			
热媒体/-Heating medium	清水/纯净水 / Clean water							
水泵 (kw)/Motor 50/60hz	1.1	1.7		1.1		1.7		
增压泵 (kw)/min\bar)/Booster pump	0.053kw(2P)\16bar							
冷却能力(kw/1kw=860kcal)/Cooling capacity	40	50		40		50		
最高吐出压力(bar)/Maximum discharge pressure 50/60hz	5.5	6.5		5.5		6.5		
使用工作压力(bar)/Use work pressure 50/60hz	4	5		4		5		
最高吐出流量(L/min)/Maximum discharge volume 50/60hz	60/64	90/97		60/64		90/97		
加热管(kw) SSR /Heater	8	12		8		12		
	间接加热 / Indirect heating							
冷却方式/Cooling type	直接冷却 / direct cooling				直接冷却 / direct cooling+间接冷却 / indirect cooling			
显示方式/Display	触摸式样(标准) / touch screen(standard)							
温度检测方式/Temperature sensor method	(PT-100Ω)传感器 / Sensor							
冷却水补水压力/Cooling water replenishment pressure	0.2-0.4 Mpa							
显示警报/Alarm display	电源逆相/泵浦过载/加热超温/温度传感器故障/加热失效/进水水压低/流量低/增压泵异常/系统压力高/水泵压力低 Power reverse phase / pump overload / heating over temperature / temperature sensor failure / heating failure / low inlet water pressure low flow / abnormal booster pump / high system pressure / low water pump pressure							
冷却水入\出口/Coolant Inlet\Outlet	10A (PT 3/8")		10A (PT 3/8")		10A (PT 3/8")		10A (PT 3/8")	
媒体出水口&回水口分水器 Medium Outlet&Medium Inlet	20A(10A(3/8")x4) 20A(10A(3/8")x4)		20A(10A(3/8")x8) 20A(10A(3/8")x8)		20A(10A(3/8")x4) 20A(10A(3/8")x4)		20A(10A(3/8")x8) 20A(10A(3/8")x8)	
总功率(kw)/Total power	9.1		13.7		9.1		13.7	
外形尺寸(L*W*H)mm /Size	700x200x600		800X280X800		700x200x600		800x280x800	
重量(kg)/Weight	65		80		65		80	

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*冷却水使用量：全系列 20 ~30 L/min。Cooling water consumption: all series 20~30 L/min.

*冷却水补水压力：全系列 0.2-0.4mpa。Cooling water make-up pressure: all series 0.2~0.4mpa.

*触摸屏方式：数据拷贝，RS-485,温度曲线，压力曲线，回水温度 是标准式样。
Select the touch screen mode: data copy, RS-485, temperature curve, pressure curve, return water temperature are standard styles.

*FOS-1060-160GH/180GH，G代表光学行业模温机。FOS-1060~160GH/180GH, G represents the optical industry mold temperature machine.

FOS3000/4000 SERIES

高流量高扬程模具温度控制器 High Flow & High Head-Capacity Mold Temperature Controller



► 特征 | Features

- 回油温度显示
- 开机自动排气
- 热油BY-PASS 泄压回路
- 控制方式:采用进口微电脑
- Return oi temperature display
- Start up automatic exhaust
- Hot oil by-pass pressure relief circuit
- Control mode: imported microcomputer

► 选项 | Option

- RS-485通讯功能
- 吹气回油功能
- 控制方式:采用PLC控制
- 声光报警灯
- RS-485 communication function
- Air blowing and oil return function
- Control mode: PLC control
- General Fault Audio/Visual Alarm

YACH SERIES

冷热一体机 Cold/Hot all-in-one temperature control unit



► 特征 | Features

- 结构优势: 单 / 多通道共享同一制冷系统, 体积小、成本低且可靠性高
- 系统配置: 采用独立制冷、制热双循环系统设计
- 模式区分:
 - ① 冷水机降温与模温机控温联动, 统一供给模具
 - ② 冷水机与模温机独立控制, 满足动模 / 定模双温度需求
- YACH-**W-**WS(AS)
W:水式模温机;WS:水冷式冷水机;AS:风冷式水冷水机
- Structural Advantage: Single/multi-channel systems share a single cooling system, offering compact size, low cost, and high reliability.
- System Configuration: Features independent cooling and heating dual-loop systems.
- Mode Differentiation:
 - ① Chiller cooling and mold temperature controller work together to provide uniform temperature to the mold.
 - ② Chiller and mold temperature controller operate independently to meet dual-temperature requirements for moving and fixed molds.
- YACH-**W-**WS(AS),W: Water MC; WS:Water cooled chiller; AS: Air cooled chiller

► 选项 | Option

- RS485通讯功能, 实现自动化管理
- 分水器
- 反吹清理阀
- 声光报警灯
- 冷媒可选:
R22/R407C/R404A/R134A/R410A
- RS485 communication function for automated management
- Manifold
- Auto system water purge
- General Fault Audio/Visual Alarm
- Media choice:
R22/R407C/R404A/R134A/R410A

► 一般规格 | General specifications

机型 Model	FOS-3030	FOS-3080	FOS-3120	FOS-3150	FOS-4100	FOS-4160	FOS-4200
电压/Voltage	AC 380V±10%, 50Hz 3phase						
温度控制方式/Temperature control method	PID(±1℃)						
温度控制范围/Temperature control range	MAX 180℃				MAX 300℃		
热媒体/Heating medium	导热油/Thermo conductive oil						
马达 (kw)/Motor	0.37	0.75	1.5	2.25	1.5	2.25	3
最高吐出压力(bar)/Maximum discharge pressure	1.7	1.5	1.7	2	2.7	3.1	3.2
最高吐出流量(L/min)/Maximum discharge volume	30	85	120	150	108	166	208
加热管(kw) SSR /Heater	6	9	9	12	18/24	24	36
膨胀箱容量(L)/Expansion capacity	8L	8L	8L	24L	34L	34L	67L
冷却方式/Cooling type	间接冷却/Indirect cooling						
显示方式/Display	7 Segment LED						
温度检测方式/Temperature sensor method	(K型)传感器/Sensor						
显示警报/Alarm display	缺相/缺油/过载/溢油/加热异常报警 Default phase/oil shortage/overload/oil spillage/abnormal heating alarm						
冷却水入\出口/Coolant Inlet\Outlet	15A(1/2")						
出水口&回水口 Medium Outlet&Medium Inlet	20A(10A (3/8")X2)	20A(10A (3/8")X4)	20A(10A (3/8")X6)	20A(10A (3/8")X8)	20A(10A (3/8")X6)	20A(10A (3/8")X6)	20A(10A (3/8")X8)
	20A(10A (3/8")X2)	20A(10A (3/8")X4)	20A(10A (3/8")X6)	20A(10A (3/8")X8)	20A(10A (3/8")X6)	20A(10A (3/8")X6)	20A(10A (3/8")X8)
电源容量(kw)/Maxpower consumption	7	9.75	10.5	14.5	25.5	27	39
外形尺寸(L*W*H)mm /Size	630X325X745	630X325X745	630X325X745	900X420X850	1200X420X1000	1200X420X1000	1650X550X1250

*规格如有更改, 恕不另行通知。Above specifications are subjected to change without prior notice.

*所有机型标准不含导热油。All models are standard without heat transfer oil.

► 一般规格 | General specifications

机型 Model	YACH-10W -03WS(AS)	YACH-10W -05WS(AS)	YACH-20W -10WS(AS)	YACH-20W -15WS(AS)	YACH-20W -20WS(AS)	YACH-30W -30WS(AS)	YACH-50W -40WS(AS)	YACH-50W -50WS(AS)
电压/Voltage	V AC 380V±10%,50Hz 3phase							
温度控制方式/Temperature control method	PID (±1℃)							
温度控制范围/Temperature control range	+5℃~98℃							
温度检测方式/Temperature sensor method	(K型)传感器 / Sensor							
显示方式/Display	LED Display							
热媒体/Medium	清水 / Clean water							
压缩机(50Hz)/Compressor	形式/Type	model 全封闭转子式或涡旋式 / Hermetic rotor or scroll type						
	功率(水冷)/Power(water)	kw 2.13x1	3.29x1	6.53x1	10.7x1	6.53x2	10.7x2	6.53x4
冷却能力(50Hz) Cooling Capacity	功率(风冷)/Power(air)	kw 2.7x1	4x1	8x1	12.7x1	8x2	12.7x2	8x4
	10C°标准	kcal/h 8514	13158	27950	41280	55900	82560	111800
冷媒/Refrigerant	水冷/Water cooled	kw 9.9	15.3	32.5	48	65	96	130
	风冷/Air cooled	kcal/h 7482	11782	24768	36550	49536	73100	94256
冷却水/Cooling water	风冷式流量/Water cooled Flow	L/min 8.7	13.7	28.8	42.5	57.6	85	109.6
	水冷却管径/Water cooled In*out	model R22	R22	R22	R410A	R22	R22	R410A
冷冻水/Chilled water	风冷式流量/Air cooled Flow	L 38	65	188	285	285	405	610
	进出水管径/In*out	A 20A(3/4")	25A(1")	50A(2")	50A(2")	65A(2-1/2")	65A(2-1/2")	80A(3")
冷冻水泵(50Hz)/Chilled Pump	功率/Power	kw 0.37	0.55	0.75	1.1	2.2	3	4
	压力/Pressure	bar 2	2	2.05	2.05	2.05	2.2	2.4
热水泵(50Hz)/Medium Pump	功率/Power	kw 0.75	0.75	1.5	1.5	1.5	2.2	4
	最大压力/Max Pressure	bar 2	2	2.1	2.1	2.1	2.6	3
加热管/Heater	流量/Flow	L/min 73	73	110	110	110	170	300
	媒体进出水管径/Medium In*out	A 25A(1")	25A(1")	32A(1-1/4")	32A(1-1/4")	32A(1-1/4")	40A(1-1/2")	50A(2")
补水口/Water supply	功率/Power	kw 6	9	12	15	18	24	36
	压力/Pressure	A 15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")
排水口/Drain	功率/Power	A 15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	25A(1")	25A(1")	25A(1")
	流量/Flow	A 15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	25A(1")	25A(1")	25A(1")
显示警报/Alarm display	过载保护、逆缺相保护(3相)、高/低压保护、液位过低保护、防冻保护等 Overload、Inverse Phase(3 Ph)、High/Low Pressure、Low Level、Antifreeze Protection, etc							
	出水口&回水口分水器(选项) Manifold Medium Outlet&Inlet(Option)	in 3/8"x4EA	3/8"x8EA	3/8"x8EA	3/8"x8EA	3/8"x10EA	Option	Option
外形尺寸/Size (LxWxH)(mm)	水冷/Water cooled	mm 1200X580X1000	1200X580X1100	1350X910X1320	1900X750X1600	2060X914X1785	2450X940X1650	2650X1050X1750
	风冷/Air cooled	mm 1250X580X1220	1425X580X1225	1680X720X1450	1850X890X1800	2150X950X1800	2650X1100X1800	2500X1550X1820

*规格如有更改, 恕不另行通知。Above specifications are subjected to change without prior notice.

*水冷式:以上参数基于冷冻水进/出水温度为15℃/10℃, 冷却水进/出水温度为30℃/35℃.

*Water cooled The above parameters based on chilled water inlet/outlet temperature of 15℃/10℃,cooling water inlet/outlet temperature of 30℃/35℃.

*风冷式:以上参数基于冷冻水进/出水温度为15℃/10℃, 环境温度35℃. Air cooled The above parameters based on chilled water inlet/outlet temperature of 15℃ /10℃, Ambient temperature 35℃.

YDM-A SERIES

风冷式冷水机 Air Cooled Chiller



► 特征 | Features

- 采用欧美进口压缩机头
- 钢管采用无氧焊接法
- 安全保护完善，故障显示，维修，保养无需专业人员
- 高效率蒸发器及冷凝器，可节省能源30%以上
- C-20以上采用两组压缩机头，根据工况智能选择开启数量。
- 控制方式：采用微电脑
- Compressor head imported from Europe or America
- Steel tube welded without oxygen
- Improved safety protection, fault indication,maintenance and service without professionals."
- High efficiency evaporator and condenser, being able to save more than 30% energy.
- C-20 and above adopt two sets of compressor heads, and the number of openings is intelligently selected according to the working conditions.
- Control mode: microcomputer

► 选项 | Option

- 控制方式：PLC控制
- RS485通讯功能，实现自动化管理
- 分水器
- 反吹清理阀
- 声光报警灯
- 冷媒可选：R22/R407C/R404A/R134A/R410A
- Control mode: Control by using PLC
- RS485 communication function for automated management
- Manifold
- Auto system water purge
- General Fault Audio/Visual Alarm
- Media choice: R22/R407C/R404A/R134A/R410A

► 一般规格 | General specifications

机型 Model	YDM-03AS YDM-05AS YDM-10AS YDM-15AT YDM-20AD YDM-25AD YDM-30AT YDM-40AF YDM-50AF YDM-60AT											
电压/Voltage	V		AC 380V±10%, 50Hz/60Hz(option) 3phase(三相四线制) Three-phase four-wire system									
温度控制方式/Temperature control method			ON/OFF (±2℃)									
温度控制范围/Temperature control range	℃		5℃ ~ 35℃									
温度检测方式/Temperature sensor method			(NTC)传感器/Sensor									
显示方式/Display			LCD Display									
热媒体/Medium			清水/Clean water									
压缩机(50/60Hz)/Compressor	形式/Type	全封闭转子式或涡旋式/Hermetic rotor or scroll type										
	50Hz功率/Power	kw	2.25x1	3.75x1	7.5x1	3.75x3	7.5x2	9.0x2	7.5x3	7.5x4	9.0x4	15x3
	60Hz功率/Power	kw	1.8x1	3.0x1	3.0x2	3.0x3	6.0x2	7.5x2	6.0x3	6.0x4	7.5x4	6.0x6
冷却能力(50/60Hz)/10℃ Cooling Capacity/10℃	50Hz	kcal/h	7215	11997	24768	37969	49536	61060	74992	94256	114896	154800
	60Hz	kcal/h	6966	11610	24510	35260	49020	61748	73530	94600	120400	147060
	50/60Hz	kw	8.39/ 8.1	13.95/ 13.7	28.8/ 28.5	44.15/ 41	57.6/ 57	71/ 71.8	87.2/ 85.5	109.6/ 110	133.6/ 140	180/ 170
冷媒50/60Hz/Refrigerant		R22	R22	R22	R22	R22	R22	R22	R22	R22	R410A/ R22	
冷媒填充量/Refrigerant Charge		kg	1.8	3	6	9	12	15	18	24	30	36
泵浦(50/60Hz)/Pump	流量/Flow	L/min	66	66	133	200	330/ 266	330/ 333	500	500	666	666
	压力/Pressure	bar	2.2/ 2.3	2.2/ 2.3	2.7/ 2.5	2.9/ 3.1	2.2/ 3.2	2.2/ 3.4	2/ 2.3	2/ 2.3	2/ 2.8	2/ 2.8
	功率/Power	kw	0.55/ 0.75	0.55/ 0.75	1.1/ 1.5	1.8/ 2.2	2.2/ 3	2.2/ 4	3/ 4	3/ 4	4/ 5.5	4/ 5.5
冷却方式/Cooling type	高效空冷式/Air condenser type											
冷凝器(50/60Hz)/Condenser	型式/Type	微通道或铜管套翅片式/Mche or finned tubes										
	空气流量/Air Flow	m³/h	3000	5000	10000	15000	20000	25000	30000	40000	50000	60000
	50Hz风机功率/Fan Power	kw	0.135x2	0.19x2	0.42*2	0.8x2	0.85x2	1.1x2	0.85x3	0.85x4	0.85x6	0.85x6
	60Hz风机功率/Fan Power	kw	0.17x2	0.25x2	0.5x2	1.0x2	1.01x2	1.0x2	1.01x3	1.01x4	1.01x6	1.01x6
蒸发器/Evaporator	型式/Type	水箱盘管式/Submerged coil type										
	冷冻水进出管径/in*out	A	25A(1")	25A(1")	50A(2")	50A(2")	65A(2")	65A(2-1/2")	65A(2-1/2")	80A(3")	80A(3")	80A(3")
水箱容量/Tank volume	L	50	50	120	220	180	200	270	270	350	400	
补水口/Water supply	A	25A(1")	25A(1")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")
排水口/Drain	A	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")
溢水口/Over flow	A	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")
显示警报/Alarm display	过载保护、逆缺相保护(3相)、高/低压保护、液位过低保护、防冻保护等 Overload、Inverse Phase(3 Ph)、High/Low Pressure、Low Level、Antifreeze Protection、etc											
出水口&回水口分水器 (选项) Manifold Medium Outlet& Inlet (Option)	in	3/8" x 4EA	3/8" x 6EA	3/8" x 8EA	3/8" x 10EA	3/8" x 10EA	3/8" x 12EA	3/8" x 12EA		Option	Option	Option
	out	3/8" x 4EA	3/8" x 6EA	3/8" x 8EA	3/8" x 10EA	3/8" x 10EA	3/8" x 12EA	3/8" x 12EA				
总输入功率50/60Hz/Power Input	kw	3.1/ 2.96	4.7/ 4.25	9.5/ 8.5	14.7/ 13.2	19/ 17.02	23/ 21	29/ 25.03	36.5/ 32.04	45/ 41.56	54/ 47.56	54/ 47.56
最大运行电流50/60Hz/Maximum running current	A	9/ 8.7	14/ 13.5	28/ 26.7	44/ 42.5	57/ 55	67/ 63	85/ 76	110/ 101	135/ 130	163/ 150	163/ 150
外形尺寸(mm)/Size	L	1000	1100	1600	2000	2150	2200	2450	2100	2500	3400	
	W	560	610	720	800	950	1000	1100	1600	1750	1800	
	H	1250	1300	1550	1750	1800	1950	1950	1950	2100	2200	
重量/Weight	kg	130	170	350	520	590	790	880	1100	1280	1420	

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*以上参数基于冷冻水进/出水温度为15℃/10℃，环境温度35℃。The above parameters based on chilled water inlet/outlet temperature of 15℃/10℃, Ambient temperature 35℃.

YDM-W SERIES

水冷式冷水机 Water Cooled Chiller



► 特征 | Features

- 采用欧美进口压缩机头
- 钢管采用无氧焊接法
- 安全保护完善，故障显示，维修，保养无需专业人员
- 高效率之蒸发器及冷凝器，可节省能源30%以上
- C-20以上采用两组压缩机头，根据工况智能选择开启数量。
- 控制方式：采用微电脑
- Compressor head imported from Europe or America
- Steel tube welded without oxygen
- Improved safety protection, fault indication,maintenance and service without professionals."
- High efficiency evaporator and condenser, being able to save more than 30% energy.
- C-20 and above adopt two sets of compressor heads, and the number of openings is intelligently selected according to the working conditions.
- Control mode: microcomputer

► 选项 | Option

- 控制方式：PLC控制
- RS485通讯功能，实现自动化管理
- 分水器
- 反吹清理阀
- 声光报警灯
- 冷媒可选：R22/R407C/R404A/R134A/R410A
- Control mode: Control by using PLC
- RS485 communication function for automated management
- Manifold
- Auto system water purge
- General Fault Audio/Visual Alarm
- Media choice: R22/R407C/R404A/R134A/R410A

► 一般规格 | General specifications

机型 Model	YDM-03WS YDM-05WS YDM-10WD YDM-15WD YDM-20WD YDM-25WD YDM-30WT YDM-40WF YDM-50WF YDM-60WT											
电压/Voltage	V		AC 380V±10%, 50Hz/60Hz(option) 3phase(三相四线制) Three-phase four-wire system									
温度控制方式/Temperature control method			ON/OFF (±2℃)									
温度控制范围/Temperature control range	℃		5℃ ~ 35℃									
温度检测方式/Temperature sensor method			(NTC)传感器/Sensor									
显示方式/Display			LCD Display									
热媒体/Medium			清水 Clean water									
压缩机(50/60Hz)/Compressor	形式/Type	model	全封闭转子式或涡旋式 / Hermetic rotor or scroll type									
	50Hz功率/Power	kw	2.25x1	3.75x1	3.75x2	3.75+7.5	7.5x2	9.0x2	7.5x3	7.5x4	9.0x4	15x3
冷却能力(50/60Hz)/10℃ 标准	60Hz功率/Power	kw	1.8x1	3.0x1	3.0x2	3.0+6.0	6.0x2	7.5x2	6.0x3	6.0x4	7.5x4	6.0x6
	50Hz	kcal/h	8514	13158	27950	41280	55900	64156	82560	111800	128312	165120
Cooling Capacity/10℃ standard	60Hz	kcal/h	7310	13330	25800	40936	55212	68972	82818	110424	137944	165636
	50/60Hz	kw	8.8/ 8.5	15.9/ 15.5	31.8/ 31	50/ 47.6	67/ 64.2	81/ 80.2	99/ 96.3	129/ 128.4	153/ 160.4	198/ 192.6
冷媒50/60Hz/Refrigerant	model		R22	R22	R22	R22	R22	R22	R22	R22	R22	R410A/ R22
冷媒填充量/Refrigerant Charge		kg	1.8	3	6	9	12	15	18	24	30	36
	流量/Flow	L/min	66	66	133	200	330/ 266	330/ 333	500	500	666	666
泵浦(50/60Hz)/Pump	压力/Pressure	bar	2.2/ 2.3	2.2/ 2.3	2.7/ 2.5	2.9/ 3.1	2.2/ 3.2	2.2/ 3.4	2/ 2.3	2/ 2.3	2/ 2.8	2/ 2.8
	功率/Power	kw	0.55/ 0.75	0.55/ 0.75	1.1/ 1.5	1.8/ 2.2	2.2/ 3	2.2/ 4	3/ 4	3/ 4	4/ 5.5	4/ 5.5
冷却方式/Cooling type	高效水冷式/ Water condenser type											
冷凝器/Condenser	型式/Type	model	壳管式 (水侧标准承压0.6MPa ~ 0.8MPa) /Shell and tube type (Water side tolerance pressure 0.6MPa ~ 0.8MPa)									
	水流量/Water Flow	L/min	35	50	117	170	190	200	260	467	533	683
	冷却水管径/in*out	A 25A(1")	25A(1")	40A(1-1/2")	50A(2")	50A(2")	50A(2")	65A(2-1/2")	80A(3")	80A(3")	80A(3")	80A(3")
蒸发器/Evaporator	型式/Type	model	水箱盘管式 / Submerged coil type									
	冷冻水管径/in*out	A 25A(1")	25A(1")	50A(2")	50A(2")	50A(2")	50A(2")	65A(2-1/2")	80A(3")	80A(3")	80A(3")	80A(3")
水箱容量/Tank volume	L	50	65	160	270	200	200	200	300	350	400	400
补水口/Water supply	A	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")
排水口/Drain	A	15A(1/2")	15A(1/2")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")	25A(1")
溢水口/Overflow	A	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")	15A(1/2")
显示警报/Alarm display	过载保护、逆缺相保护(3相)、高/低压保护、液位过低保护、防冻保护等 Overload、Inverse Phase(3 Ph)、High/Low Pressure、Low Level、Antifreeze Protection、etc											
出水口&回水口分水器 (选项) Manifold Medium Outlet& Inlet (Option)	in	3/8" x 4EA	3/8" x 6EA	3/8" x 8EA	3/8" x 10EA	3/8" x 10EA	3/8" x 12EA	3/8" x 12EA	Option	Option	Option	Option
	out	3/8" x 4EA	3/8" x 6EA	3/8" x 8EA	3/8" x 10EA	3/8" x 10EA	3/8" x 12EA	3/8" x 12EA				
总输入功率50/60Hz/Power Input	kw	2.8/ 2.62	4.3/ 3.75	8.6/ 7.5	13/ 11.2	17/ 15	21/ 19	26/ 22	33/ 28	40/ 35.5	49/ 41.5	49/ 41.5
最大运行电流50/60Hz/Maximum running current	A	9/ 8.8	13/ 11.8	26/ 25	40/ 38	52/ 48	60/ 56	77/ 73	100/ 95	120/ 110	147/ 135	147/ 135
	L	1000	1000	1400	1780	1780	1800	2050	2400	2500	2700	2700
外形尺寸(mm)/Size	W	480	480	610	800	800	870	950	1000	1005	1300	1300
	H	1050	1160	1400	1600	1600	1670	1680	1750	1700	1700	1700
重量/Weight	kg	120	150	290	400	440	620	690	850	1000	1100	1100

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*以上参数基于冷冻水进/出水温度为15℃/10℃，冷却水进/出水温度为30℃/35℃。

*The above parameters based on chilled water inlet/outlet temperature of 15℃/10℃, cooling water inlet/outlet temperature of 30℃/35℃.

RICH SERIES
高光泽模温机 Rapid Isolation Cooling & Heating



► 特征 | Features

■ RICH SYSTEM (Rapid Isolation Cooling & Heating)是使用蒸汽与冷却水对模具瞬间急速加热冷却的系统

- 效果
- 1.实现不同相位的不同品质(高光泽,无结合线,无痕,无纹)
 - 2.高生产率(缩短周期)
 - 3.新层次的精密度 (LCD 导光板)

- 适用产品
- 1.要求有高级外观的产品
 - 2.要求无结合线的产品
 - 3.要求高速注塑的产品
 - 4.其他高速成形要求原料流动无比顺畅的产品

■ RICH SYSTEM (Rapid Isolation Cooling & Heating)It is the system to rapidly heat and cool the mold cavity by using steamand cooling water.

- Effects
- 1.Good surface quality (High glossy, weldless, no painting, unstriped)
 - 2.High productivity (Cycle time reduction)
 - 3.Microstructure precision molding (Light guide panels of LCD)

- Applications
- 1.High glossy parts
 - 2.Weldless parts
 - 3.High speed injection products
 - 4.Parts requiring smooth flow of materials during high speed injection

► 一般规格 | General specifications

机型 Model		RICH-2	RICH-5
最大压力 Max pressure		15 bar	25 bar
使用压力 Working pressure		13 bar	20 bar
蒸汽最高温度 Max steam temperature		210℃	230℃
Tank 数	容量 Capacity	280L	300L
	加热管 Heater	144kW (48kW x 3)	180kW (60kW x 3)
功率 Electric capacity	补水水泵 Feed pump	2.2kW	3kW
	冷水水泵 Cooling pump	3kW(50Hz)排管管径 32A Tube size 32A	4kW(50Hz)排管管径 40A Tube size 40A
电源 Power	电源 Power source	3相 380V 3Ph 380V	3相 380V 3Ph 380V
	断路器容量 Circuit breaker	300A	350A
压缩空气 Compressed air	压力 Pressure	6~8 bar	
	消耗量 Discharge	1000CC/cycle	
锅炉 Boiler	排管 Piping	20A	25A
尺寸 Size		1930(L)x900(W)x1500(H)	1950(L)x1000(W)x1779(H)
冷却水 Coolant	供给压力 Pressure	最小 Min.4 bar	
	供给流量 Flow-rate	200 LPM	250 LPM
	排管 Piping	最小 Min.32A(in/out)	最小 Min.40A(in/out)
	水质 Water quality	总硬度20ppm以下的清水 Purified water below total hardness 20ppm	
供水 Water supply	供给压力 Pressure	3~5 bar	
	流量 Flow-rate	150 lpm	
	水质 Water quality	需要总硬度70ppm以下的清水净水器 Pure water total hardness 70ppm	
净水器 Water purifier	安装 Installation	必须事项 Compulsory	
	尺寸 Size	600(W)x1300(D)x1520(H)	
电源容量 Max. power consumption(KVA)		150	190

► 适用对象 | Application

出现结合线
无结合线
Welding
Weld less

改善发泡成型表面
实现 NO 粘水口
Improve foam forming
NO sticking sprue

改善发泡成型
改善强度
Improve foam forming
Improve intensity

改善表面 EPS 成型
防止吸水分
Improve surface EPS forming
Prevent loss of moisture

► 系统优点 | Comparison and advantage of RICH system

区分 Classification	原有蒸汽控制器 Existing System	其化公司蒸汽控制器 Other brands' system	RICH system	
蒸汽发生器 Steam generator	柴油(煤油)锅炉 Oil steam boiler	电蒸汽锅炉 Electric steam boiler	电蒸汽锅炉 Electric steam boiler	
压力 Pressure	饱和蒸汽 Saturated steam	过热蒸汽+压缩空气 Superheated heat+compressed air	饱和蒸汽 Saturated steam	
Tank压力 Tank pressure	10 bar ↑	30 bar ↑	15 bar ↑	
热效率 Thermal efficiency	50%	60%	85%	
补/排水装置 Inlet/Outlet Type	分体型 Separated type	分体型 Separated type	一体型 All-in-one type	
加热/冷却时间 Heating / Cooling Time(TV52")	35sec/35sec	33sec/33sec	23sec/25sec	2sec/3sec (Mobile 高速注塑+特殊规格)

*原有蒸汽控制器是将热能低的过热蒸汽,用高压(30bar) 压缩空气升压, 每小时供给更多的蒸汽量, 新 RICH系列产品通过使用热能非常高的饱和蒸汽技术, 在低蒸汽压力下也可以达到较高的热效率, 而且同时设备的安全性也能得到保证。

*Existing Steam controllers boost superheated steam of low energy with high prssured compressed air (30bar) and provide big amount of steam, yet RICH System uses saturated steam which stability can also be ensured.contains high heat energy expecting high efficiency with low presured steam and stability can also be ensured.

*原有蒸汽控制器在通过减少加热时间上有一定的局限性, 随着RICH系列产品蒸汽吐出压力(20bar)的增加, 可按顾客的要求添加缩短加热时间的产品规格。

*With boosted Steam discharge pressure (20bar) , RICH can be designed to redue heatina time upon request.

*冷却时间也可以按顾客要求通过选配件进行缩短。

*Also cooling time can be reduced upon request.

RO SERIES

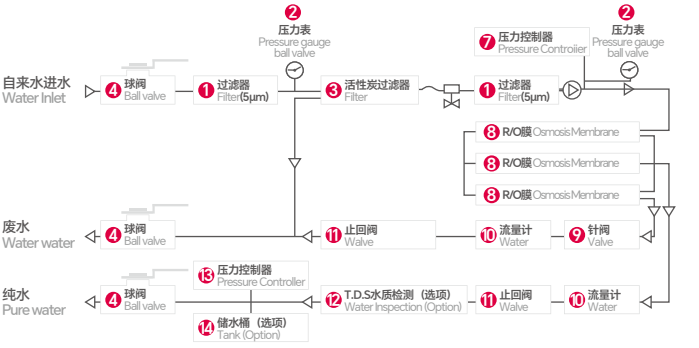
R/O净水器 R/O Water Purifier



R/O是去除水中污染物而采用反渗透法(reverse osmosis)的水处理装置。R/O是为RICH锅炉供给硬度低于70PPM的用水的装置，可随时按所需水压和流量供给RICH锅炉所需的优质水(应在净水机前安装过滤器或软水机，为净水机供给充分精化的水，以延长渗透膜的寿命)。

R/O(reverse osmosis) is an equipment to urifier water.R/O can supply water with conductivity value lower than 70 PPM,cansupply to RICH based on requested water pressure and waterflow.(In order to prolong the life span of osmosis membrane,filters should be installed to RO).

► 流程图 | Flow



PB SERIES

增压泵 Air Booster



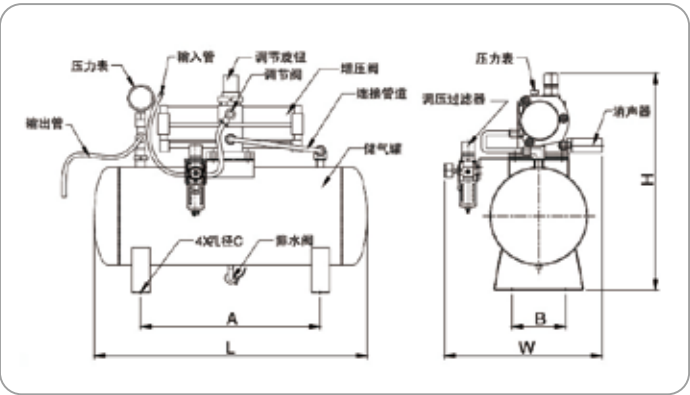
空气增压泵通过低压大面积活塞运动产生高压小面积活塞输出。应用于需要提高压缩空气压力时，只需将低压端接入进气口即可。

The working principle of air booster is that large-area piston with low-pressure moves to create small-area with high pressure. Air booster is applied in the occasion when compressed air pressure is required to be increased. It can be realized just by connecting low-pressure end to the air inlet.

► 增压阀 | Pressure Boost Valve

- 标准：ABIMAN
- 选项：SMC

► 外形尺寸 | Outer dimensions



► 一般规格 | General specifications

机型 Model	RO-750
电压/Voltage	AC 220V±10%, 50Hz 1phase
供给压力(Mpa)/Supply pressure	0.3
供水流量(t/h)/Water suppl capacity	0.75
供水管道口径(A)/Feeding pipe diameter	20
排水管道口径(A)/Out pipe diameter	20
排水口(A)/Waste water	20
水质(PPM)/Water quality	120PPM以下/Under 120PPM
设备噪音(db)/Equipment noise	35~40
外形尺寸/Size LxWxH(mm)	1300x650x1670

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*供水水质大于120PPM时，需要增加水处理设备。需要安装像软水机一样的水处理设备。否则，系统所有滤芯寿命会快速缩短。

*When above 120PPM, water treatment machine should be equiped. Otherwise, the lifespan of filter will be decreased.

► 特征 | Features

- 应用灵活：无需电源,只需气源驱动
- 易于调节：在泵的压力范围内，调节调节阀从而调节进气压力
- 操作安全：无电弧及火花,可在危险场所使用
- 维护简便：结构简单，维护简便
- 快捷方便：安装和操作方便,便于控制

- Flexibility of use: no need of power, driven jist by air source
- Easy to adjust: within the pressure range otthe pump, adjust the regulating valve to adjust the inlet pressure
- Safe operation: free of electric arc and spark and it can be used in hazardous locationssy maintenance
- Easy maintenance:simple structure and easy maintenance
- Convenience: quick and easy installation ard operation faciliate control

► 一般规格 | General specifications

机型 Model	PB10A	PB20A	PB40A
容量(L)/Capacity	10	20	40
环境，流体温度(°C)/Temp of environment and fluid	2~50		
输入气压范围(Mpa)/Inlet air pressure	0.1~0.5		
输出气压范围(Mpa)/Outlet air pressure	0.2~1		
外形尺寸(mm)/Size	460x310x420	560x360x500	760x440x550
安装孔尺寸(mm)/Size of installtion holes	250x120xΦ11	380x120xΦ11	550x150xΦ13
净重(kg)/Weight	17	28	51

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

AQUS SERIES

水垢处理机 Scale Remover



► 特征 | Features

- 利用第3代电解原理去除循环水内的水垢
- 通过电极极性转换自动排放水垢，容易管理
- 减少冷却水管理的药品投入成本，环保，无废弃物
- 去除水管内原有的水锈
- 增加热交换效率，节水节电，减少维护费用
- 四项专利，CE认证，支持远程通信(OPTION)



- Using the 3rd generation electrolysis principle to remove scale in circulating water
- Automatic discharge of scale through electrode polarity conversion for easy management
- Reduce pharmaceutical input costs and waste-free, environmentally friendly cooling water management
- Remove rust from the pipe
- Increase heat exchange efficiency, save electricity, reduce maintenance costs, and reduce water consumption
- Four patents, CE certification support for remote communication (OPTION)

► 引进效果 | Introduction effect

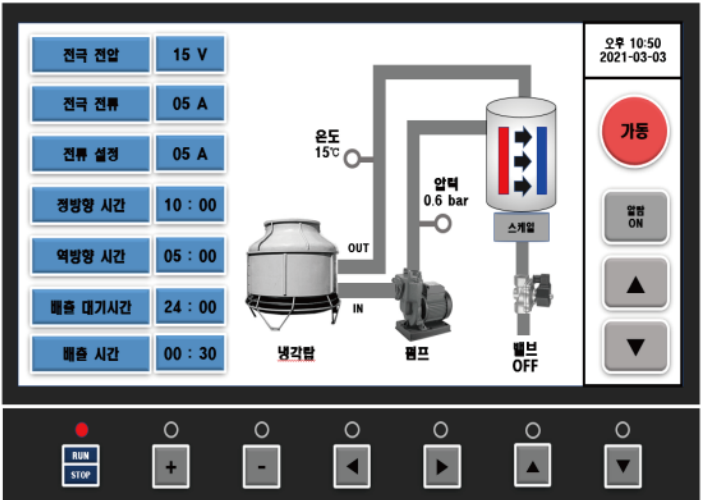
- 冷却效率提高
冷却效果增加，生产效率提供，管理成本投入减少
- 设备寿命延长
减少设备故障频率，延长设备寿命
- 易于管理
通过水垢自动排放，减少了over hole和管理周期，减少了管理费用
- 强化竞争力
维持生产设备启动率，减少管理费，降低生产成本
- 环境保护
通过不产生废水的环保电解来保护环境

- Improved cooling efficiency
Increased cooling effect, improved production efficiency, and reduced investment in management costs
- Extended equipment life
Reduce equipment failure frequency and extend equipment life
- Manageable
By automatically discharging scale, the over hole and management cycle are reduced, and management costs are reduced.
- Strengthen competitiveness
Maintain the start-up rate of production equipment, reduce management fees, and reduce production costs.
- Environmental protection
Protect the environment through environmentally friendly electrolysis that does not produce wastewater.

► 主要功能 | Major Function



► 画面构成 | Screen Composition



► 一般规格 | General specifications

机型 Project	AQUS-200C	AQUS-300C	AQUS-500C	AQUS-1000C
冷却塔 Cooling Tower	100~200RT	200~300RT	400~600RT	700~1200RT
循环流量 Circulating Flow Rate	5m³/hr	7m³/hr	10m³/hr	20m³/hr
吸程 Suction Lift	6M	8M	8M	8M
扬程 Delivery Head	17M(MAX)	21M(MAX)	21M(MAX)	27M(MAX)
触摸屏 Touch Screen	7"	7"	10.2"	10.2"
输入电源 Power Supply	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
耗电量 Power Consumption	1.0kW/1.8kW(MAX)	1.8kW/2.7kW(MAX)	1.8kW/2.7kW(MAX)	2.8kW/3.6kW(MAX)
管径 Pipe Diameter	IN: DN40 OUT: DN40 DRAIN: DN40	IN: DN40 OUT: DN40 DRAIN: DN40	IN: DN40 OUT: DN40 DRAIN: DN40	IN: DN50 OUT: DN50 DRAIN: DN50
尺寸 Size	W:760 L:1100 H:1510	W760 L1100 H1610	W860 L1100 H1740	W900 L1100 H1880
重量 Weight	220kg	300kg	370kg	450kg



*内置自吸泵，可保证水的循环输送，适合频繁开关的工况，无需人工注水。
*Built-in self-priming pump enables automatic water circulation, suitable for frequent start-stop operations without manual priming.
*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

AC SERIES
泥沙分离器 ABIMAN CYCLONE



► 特征 | Features

- 依据离心分离原理，用于分离液体中可沉淀固体物。
- 离心式固液分离系统可分离出比重大于液体的固体颗粒。
- 解决了传统旋流除砂器，对比重小的污物处理困难的难题。
- 产品结构简单，成本低廉，易于安装和操作，几乎不需要维护。
- According to the principle of centrifugation, it is used to separate precipitable solids in liquid.
- Centrifugal solid-liquid separation system can separate solid particles larger than liquid.
- It solves the difficult problem of traditional rotary flow sand remover and the difficulty of treating dirt with relatively small weight.
- The product structure is simple, low cost, easy to install and operate, and hardly requires maintenance.

► 一般规格 | General specifications

机型 Project	管径 Pipe diameter	水泵			泥沙分离器		过滤装置		
		流量 Flow m³/h	功率 Power Kw	电压 Voltage V	管径 Pipe diameter	流量 Flow m³/h	外形尺寸 Overall size	滤袋 Filter bag	流量 Flow m³/h
AC-40	DN40	26	1.5	380	IN:DN40	18~34	φ219*1050	300μm	30
					OUT:DN40			20L/袋	
					SCALE:DN25			1袋	
AC-80	DN80	55	5.5	380	IN:DN80	44~75	φ400*1200	300μm	80
					OUT:DN80			20L/袋	
					SCALE:DN25			2袋	

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

AF SERIES
袋式过滤器 ABIMAN Bag Filter



► 外形尺寸 | Outer Dimensions



► 一般规格 | General specifications

外形尺寸	材质	进出口管径	流量 m³/h	最大压力 bar	滤袋数量	滤袋目数（参考）	适用机型
φ400*1400L	SUS304	DN50 (2")	80-100	8	2袋	50 μm	AQUS-200C
						100 μm	AQUS-300C
						200 μm	AQUS-500C
						300 μm	AQUS-1000C
						尼龙	AQUS-1000C

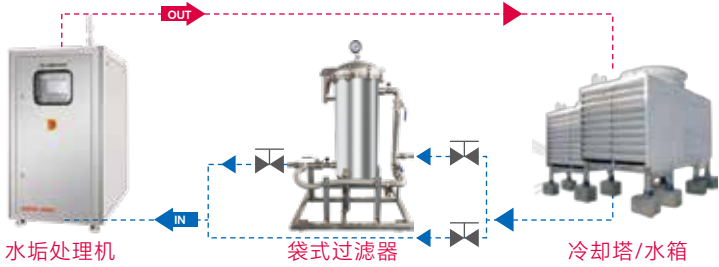
*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

► 特征 | Features

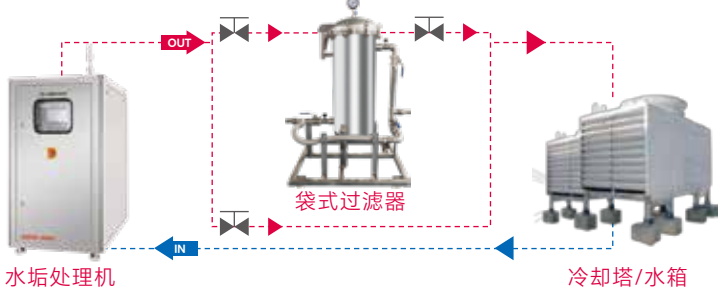
- 加厚304不锈钢机身,防爆抗压,耐用耐腐蚀
- 应用广泛,可用于粗滤或精滤,过滤精度0.5um-300um
- 单位过滤纳米级处理流量大,阻力小
- 操作简单,占地面积小,滤袋更换方便,维护成本低
- Thickened 304 stainless steel body, explosion-proof, pressure-resistant, durable, corrosion-resistant
- Widely applicable for rough/fine filtration, filtration accuracy 0.5um-300um
- High flow rate with low resistance in nanoscale filtration units
- Effortless operation, compact design, quick filter bag change, minimal maintenance

► 流程图 | Flow

- 1.水箱→AQUS:生锈严重的时候,安装在AQUS进水侧(生锈水会影响电解反应)
TTank→AQUS: Severe rusting: install at AQUS inlet (rusty water impacts electrolysis).



2. AQUS→水箱:水垢固体结晶非常小的颗粒情况下,安装在AQUS回水侧
AQUS→Tank: When solid scale crystals are extremely small,install at AQUS return.



COOLING TOWER

冷却塔 Cooling Tower

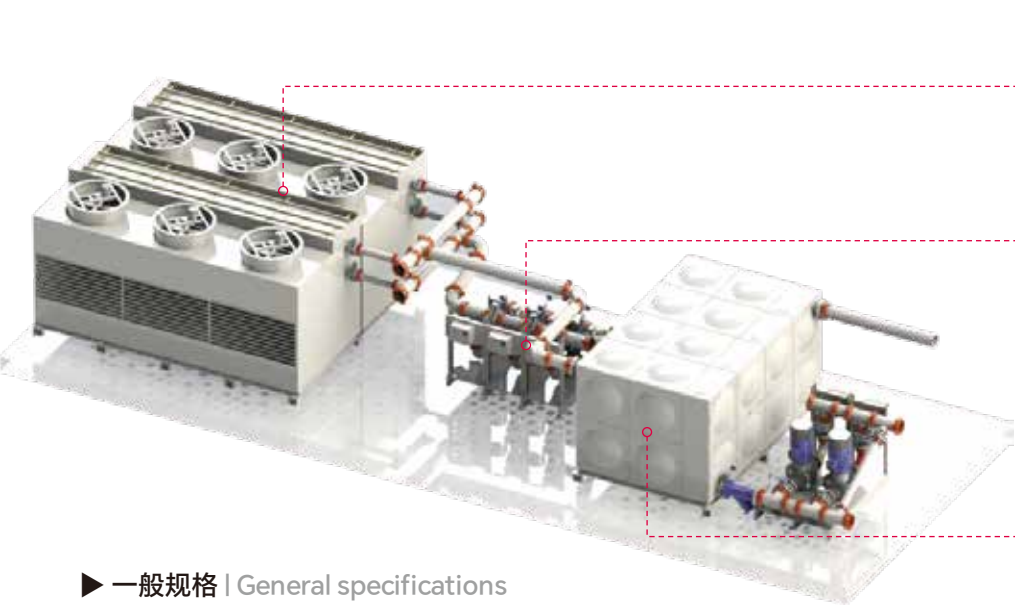


- 特征 | Features
- 产品模块化组装，单模块再分成更小的上、下机箱,便于运输及现场吊卸，便于生产管理提高效率。
 - 对于噪声要求较严格，温差 $\Delta t=5-15^{\circ}\text{C}$ 项目的冷却，适合选用本机型。
 - Cooling tower is assembled by several module, eachmod-ule is divided into upper and easy fortransportation and installation, benefit for productionefficiency.
 - if customer request lownoise,lower parts, and temp. differt=5-15°C, this mode isthe best choice for customer.

- 主要适用范围 | Applications
- 塑料机械 Plastic Machinery
 - 塑胶加工 Plastic processing
 - 医疗制药 Pharmaceutical
 - 食品加工 Food Processing
 - 半导体 Semiconductor
 - 化工行业 Chemical Industry
 - 压铸行业 Die casting
 - 挤出行业 Extrusion

COOLING SYSTEM

冷却系统 Cooling System



► 一般规格 | General specifications

型号 Model	注塑机吨位 LMM TON	热量 Capacity Kcal/hr	冷吨 RT R/T	流量 Flow L/min m³/h	风机功率 Fan power kw	风机风量 Fan volume m³/h	喷淋功率 Spray Power kw	喷淋水量 Spray Water m³/h
横流开放式 Open type	4000TON以下/Below	302400	100	1333	80	2.2	59500	x
	7000TON以下/Below	378000	125	1667	100	1.5x2	76000	x
	10000TON以下/Below	604800	200	2500	150	1.5x3	106400	x
	15000TON以下/Below	756000	250	3333	200	2.2x4	147000	x
	25000TON以下/Below	1134000	375	5000	300	2.2x6	174100	x
横流封闭式 Close type	4000TON以下/Below	302400	100	1333	80	2.2x2	92160	1.5x1
	7000TON以下/Below	378000	125	1667	100	2.2x3	126000	2.2x1
	10000TON以下/Below	604800	200	2500	150	2.2x4	147600	2.2x1
	15000TON以下/Below	756000	250	3333	200	1.5x6	171000	3x1
	25000TON以下/Below	1134000	375	5000	300	2.2x6	261000	5.5x1

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.
*冷却塔 Cooling Tower 1RT=3024 kcal/hr=0.78m³/h
*x:没有 x:Not Available

► 一般规格 | General specifications

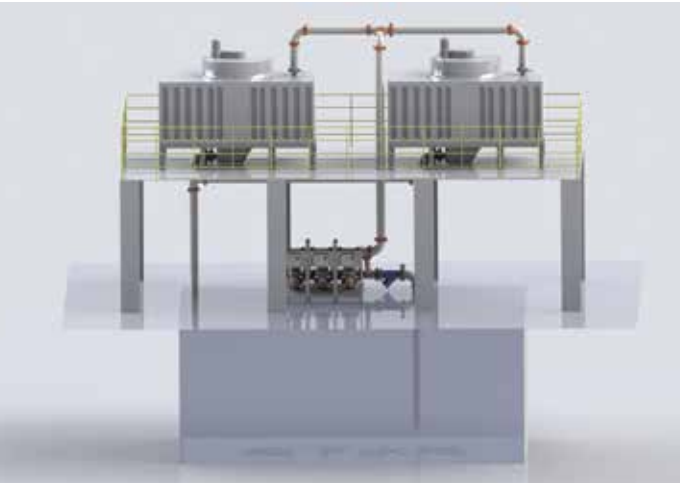
型号 Model	注塑机吨位 LMM TON	运输重量 Transport Weight kg	运行重量 Operating Weight kg	外形尺寸 Size LxWxH (m)	外置水箱 External Water Tank m³	水泵 Water Pump 流量Flow:m³/h 扬程Head:m
横流开放式 Open type	4000TON以下/Below	1490	2900	1850x3792x2692	8	65
	7000TON以下/Below	1660	3790	2250x3792x2692	10	85
	10000TON以下/Below	2180	4300	2250x3792x3192	15	120
	15000TON以下/Below	2680	5600	2690x4792x3192	20	160
	25000TON以下/Below	3730	8000	2976x5220x2067	30	250
横流封闭式 Close type	4000TON以下/Below	3800	7050	2476x4792x3550	8	65
	7000TON以下/Below	4400	7800	2690x4792x3550	10	85
	10000TON以下/Below	5500	9500	2976x5220x4150	15	120
	15000TON以下/Below	6500	10700	2976x5220x4980	20	160
	25000TON以下/Below	8300	131800	3620x6396x4980	30	250

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.
*冷却塔 Cooling Tower 1RT=3024 kcal/hr
*水箱可支持定做（保温/不保温）The water tank can be customized (Insulated/uninsulated)

► 冷却系统的构成 | Cooling System Component



水箱方式 Water Tank Type



地下水池方式 Underground Water Pool Type



CAD II SERIES
压缩空气干燥机 Compressed Air Dehumidifier



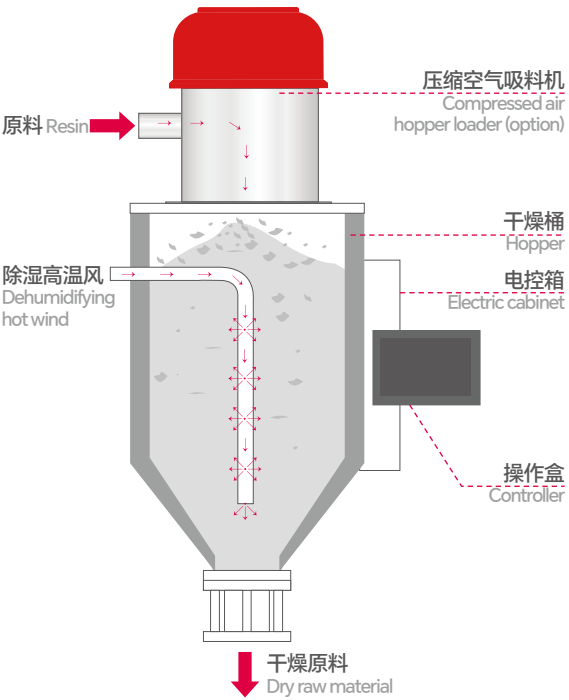
► 特征 | Features

- 使用者方便操作,可以随意调整角度
- 采用不锈钢外壳
- 只需输入原料种类与使用量,便可以自动调整风量和干燥温度
- 一周定时功能
- RS-485通信
- 多种报警内容及报警履历
- 干燥温度最高160°C
- PID控制方式(±0.5°C以内)
- 压缩空气的进气量可手动调节
- Easy operation and angle adjustment
- Stainless steel cover applied
- Automatic air flow and temperature control by setting type and amount of material
- Weekly timer
- RS485 communication
- Various alarms and alarm history (Max /Min Temperature Alarm, no heat, high-pressure, low-pressure and so on)
- Drying temperature Max.160°C
- Speedy and precise temperature control by PID control (within ±0.5°C)
- The intake volume of compressed air can be adjusted manually

► 选项 | Option

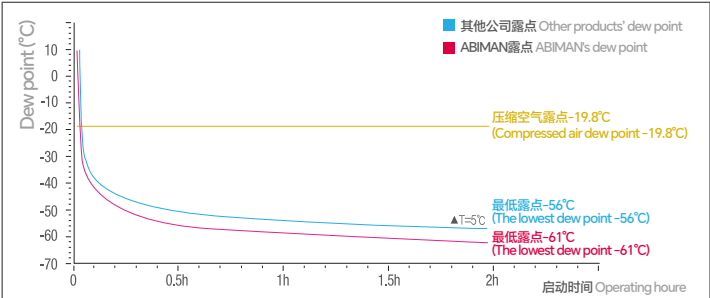
- RESIN下限警报
- HED FRAME
- HED+HELA FRAME磁力底座
- 磁力底座
- 自动推拉板(根据注塑时间和射胶信号ON/OFF)
- Alarm for low level resin
- HED FRAME
- HED+HELA FRAME
- Magnetic base
- Auto slide gate (According to injection time and injection signal on/off)

► 构成原理 | Composition Principle



最适合手机壳、镜片、导光板等超精密塑料注塑成型
Optimized for high precise plastic injection moldings such as mobile phones, optical lenses, light guide plates, etc.

性能 Performance (CAD 系列VS 其他公司产品)



压缩空气品质不同, 露点有所变动。
Dew point can be different depending on quality of compressed air.

► 一般规格 | General specifications

机型/Model	CAD-6All		CAD-15All	CAD-30All	CAD-50All
电压/Voltage	AC 220V+10%,50/60Hz 1phase				
干燥温度/Process Temperature	℃	40℃ ~ 160℃			
容量/Capacity	L	6	15	30	50
耗气量/Air Flow	m³/h	4~12		6~16	
露点/Dew Point	℃	-25℃ ~-50℃			
加热管功率/Heating Power	kw	0.95			
总功率/Installed Power Total	kw	1.00			
压缩空气压力/Compressed Air Pressure	bar	6~8			
显示方式/Display	LCD Display				
外形尺寸(WxDxH)/Size		440x335x575	490x395x625	525x450x695	535x500x925
重量/Weight	kg	22	22	27	32
安全装置/Safety Device	过热/Over heat(切断器TRIP)				

*规格如有更改, 恕不另行通知 Above specifications are subjected to change without prior notice

*空气压力:6~8bar Air pressure:6~8bar

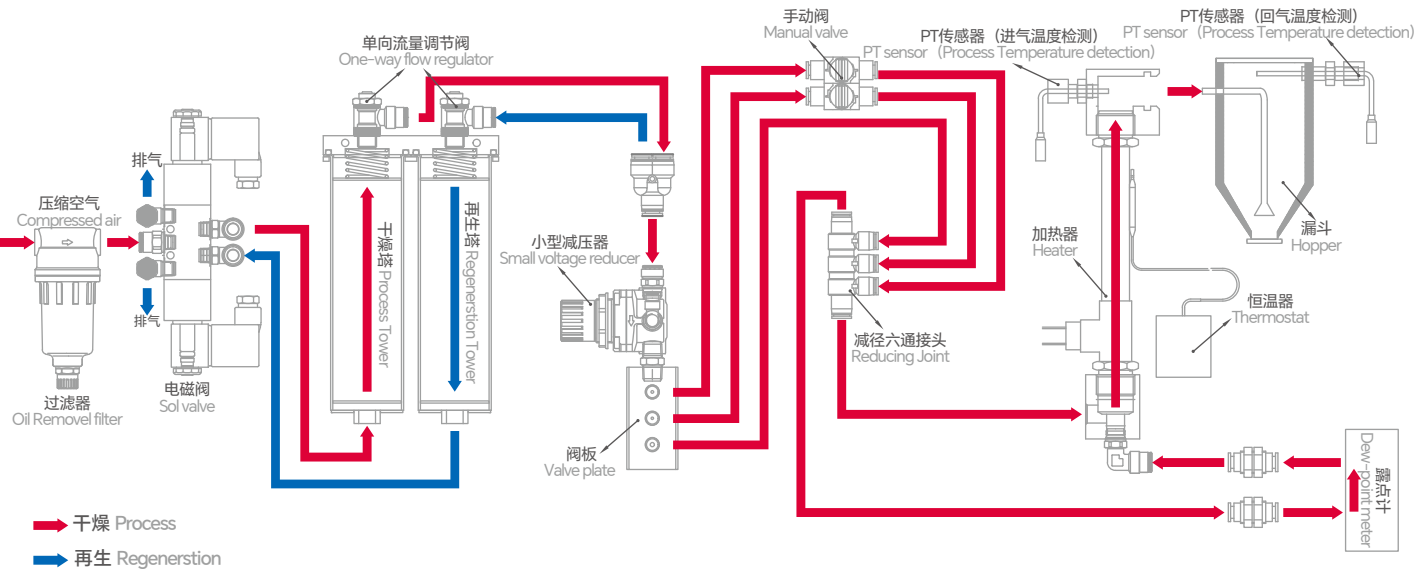
*供气条件[GB/T13277.1-2008]:固体颗粒等级-3[<5um];温度等级-3[<-20°C];含油等级-2[≤0.1mg/m³]

*Air supply condition [GB/T13277.1-2008]:Solid particle grade-3[<5um];Temperature Level-3[<-20°C];oil grade-2[≤0.1mg/m³]

*客户提供压缩空气的露点是≤-20°C The dew point of the compressed air provided by the customer is ≤-20°C

*压缩空气的质量决定了压缩空气干燥机的除湿质量 The quality of the compressed air determines the dehumidification quality of the compressed air dryer

► 流程图 | Flow



DAKA SERIES

除湿干燥机 Dehumidification Drying System



► 强大的性能 | Powerful Performance

- 维持均一的露点(-40°C)(蜂巢转轮)
- 防止除湿剂发生粉尘
- 闭环冷却回路结构
- Uniform Dew point -40°C honeycomb wheel
- Prevent dehumidifier from generating dust
- Close loop cooling circuit Structure

► 节约能量 | Save energy

- 高效率水冷方式
- 使用高效涡轮技术
- High efficiency water cooling mode
- USING HIGH-EFFICIENCY TURBINE technology

相比双塔除湿机减少40%的耗能
40% less energy consumption than the twin-tower dehumidifier

► 简单的操作/管理 | Simple Operation/management

- 半永久性除湿剂寿命
- 每日/每周定时器
- Life of semi-permanent dehumidifier
- Daily/weekly timer

► 特征 | Features

除湿系统 Dehumidification system

- DAKA-E 系列标配蜂巢转轮
- 除湿机采用水冷结构
- DAKA-25/300iE 为一体式除湿干燥机, DAKA-500/800iE 为分体式除湿干燥机
- DAKA-E series equip with honey comb
- Water cooling structure is adopted for dehumidification
- DAKA-25/300iE is an integrated dehumidifying dryer, DAKA-500/800iE is a split dehumidifying dryer

输送系统 Transportation system

- 采用高压风机、分离式过滤器、便于原料输送
- 标配可控制两个料斗
- 吸料盒, 料斗便于原料的输送
- Use high pressure blower, disconnect filter, easy for raw material transportation
- Standard DAKA can Control two hoppers
- If equipped with suction box/cyclone

干燥系统 Drying system

- 保温式干燥桶全部采用维修门
- 热风扩散器下吹风方式、均衡的干燥效果
- 原料先进先出:
- 全不锈钢干燥桶, 避免原料的污染
- Insulated hoper equipped with maintenance door
- Uniform drying effect
- Material first-in first-out
- Stainless steel hopper, avoid contamination of raw material

控制系统 Control system

- 按键方式、微电脑控制系统(标准配置)
- 露点计, 便于实时检测露点(可选)
- Key mode/microcomputer control system(Standard)
- Dew point inspection device, easy for real time inspection(Option)

► 一般规格 | General specifications

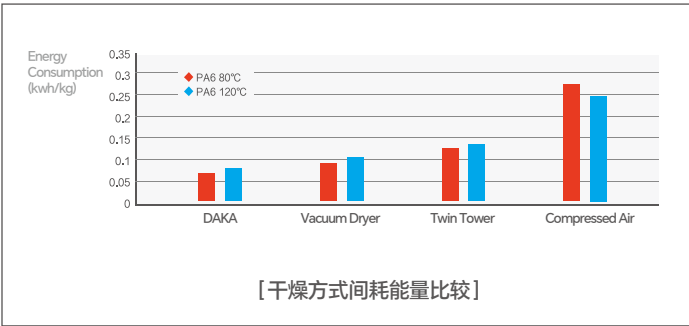
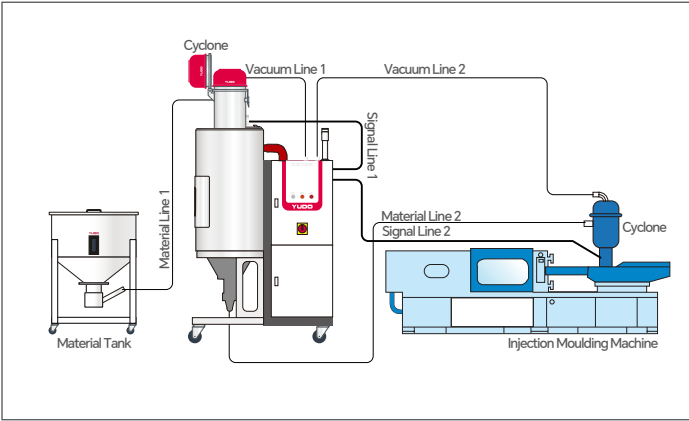
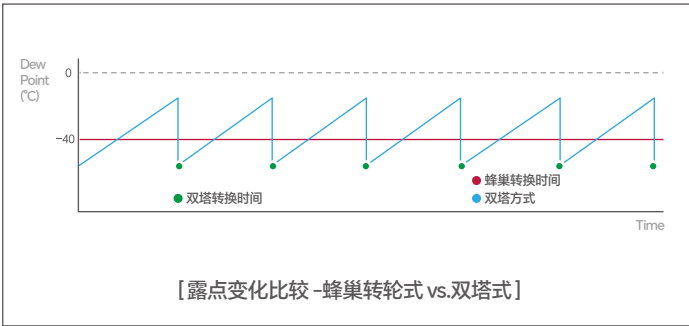
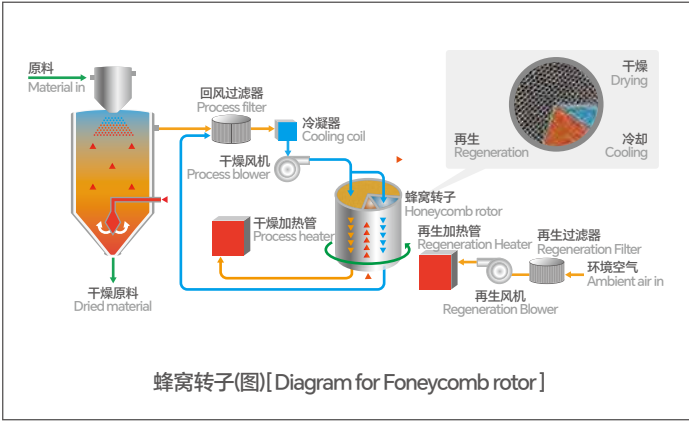
机型 Model		DAKA-25iE DAKA-50iE DAKA-75iE DAKA-100iE DAKA-150iE DAKA-200iE DAKA-300iE							
电源(客户提供)/Power supply	电压/Voltage	V							
干燥温度/Drying temperature		°C							
干燥空气平均露点/Dew point		°C							
干燥料筒 Drying hopper	容积/Capacity	L	40	80	120	160	230	300	450
	容积/Capacity @0.65	kg	25	50	75	100	150	200	300
	保温材料/Material	双层保温+外壳/Double insulation & shell							
干燥风量/Air flow (50/60)hz		m³/h	50/60	80/95	80/95	120/140	120/140	200/235	300/354
干燥风机容量/Drying Blower Capacity (50/60)hz		kw	1.1/1.3	1.1/1.3	1.1/1.3	1.1/1.3	1.1/1.3	2.2/2.55	2.2/2.55
再生风机容量/Regeneration blower Capacity (50/60)hz		kw	0.18/0.23	0.18/0.23	0.18/0.23	0.18/0.23	0.18/0.23	0.4/0.5	0.4/0.5
干燥加热器容量(Drying heater Capacity (接触器/Contactor)		kw	4	4	4	6	6	15	15
再生加热器容量 (Regeneration heater Capacity (接触器/Contactor)		kw	2.4	2.4	2.4	3.1	3.1	10	10
吸着塔/Absorbent	蜂巢转轮/Honeycomb runner								
冷却方式/Cooling type	水冷式/Water-cooled; 提供冷却水/Provide cooling water								
冷却水量:接口(客户提供)/Cooling water:interface	L/min	17/20A	25/20A	25/20A	25/20A	25/20A	33/20A	33/20A	
压缩空气(客户提供)/Comp.air	压力/Pressure	Mpa	0.6(08)						
输送距离 Conveyance length	一次侧/For hopper	m	10						
	二次侧/For IMM	m	5	5				10	
输送料斗容量 Conveyance cyclone	一次侧/For hopper	L	3L(限位开关/Limit switch)		7L(限位开关/Limit switch)		12L(限位开关/Limit switch)		
	二次侧/For IMM	L	3L(光电开关/Photoelectric switch)		7L(光电开关/Photoelectric switch)		12L(光电开关/Photoelectric switch)		
输送配管/Conveying piping	mm	φ38 PVC 管 Hose 20m					φ50 PVC 管 Hose 20m		
输送风机容量/Conveying blower Capacity	kw	1.5					2.2		
控制/Control	控制方式/Control mode	微电脑控制器 / Microcomputer controller							
	操作方式/Operation mode	标准: 按键方式/Standard: button method ; (选项:7寸触摸屏 /Option: 7 inch touch screen)							
	RS-485通讯/RS-485 communication	标准: 带 / Standard: With							
	管道清理阀控制电压/Control voltage of pipeline cleaning valve	标准: 220V / Standard: 220V							
	露点检测端口/Dew point detection port	标准: 带 / Standard: With							
	控制回路变压器/Control circuit transformer	标准: 带 / Standard: With							
	报警保护回路 Alarm Protection Circuit	过温 (干燥、再生) /Over heat (Drying , Regeneration)							
		风机过载 /Fan overload							
		风机逆向保护/Motor Reverse Prevention							
		停止时冷却延时/Delayed Cooling at Shutoff							
附带品/Accessories	转轮故障检测功能/ Runner fault detection function								
	吸料枪 / Suction pipe *1EA	电源线 / Power supply cable 7m	信号线 / The signal line 8m						三色警报灯/Three-color warning light
	设备重量/Weight	kg	230	240	255	332	355	490	510
	外形尺寸/Size (W*D*H)-不含料斗/Without Cyclone	mm	1200×700×1600	1200×700×1700	1200×700×2000	1350×700×1900	1350×700×2250	1650×1000×2200	1650×1000×2350
一次侧料斗高度/Cyclone height(for hopper)	mm	470	470	470	470	470	518	518	

*露点根据使用环境有所变动。 The dew point varies according to ambient air conditions.

*DAKA-500iE及以上加热管控制为固态继电器SSR, 其他型号加热管控制是交流接触器。

*DAKA-500iE and above heating tubes are controlled by solid-state relays (SSR), while other models of heating tubes are controlled by AC contactors.

*规格如有更改, 恕不另行通知。 Above specifications are subjected to change without prior notice.



HED SERIES

热风干燥机 Hot AIR Dryer



Innovative Energy-saving effect with Hot AirRecycling function

Hot Air Recycling 功能，革新的节能效果

► 特征 | Features

- 配置检修门，方便维修
- 热风扩散器方式，均匀干燥效果
- 锥部、筒体100%保温与加热单元，实现高效的节能效果
- PID控制
- 一周定时器
- Equipped with access door for easy maintenance
- Hot air diffuser method,uniform drying effect
- 100%insulation and heatingunit ofcone and cylinder to achieve efficient energy-saving
- PID control
- weekly timer

HELA SERIES

三相吸料机 Hopper Loader



► 特征 | Features

- 可以与多种料斗一起使用，可连续进行供料
- 与积尘料斗分离，通过纸芯过滤器除尘
- 专用控制器控制输送与停止及时间调节功能
- 原料输送异常报警
- 1对1,1对2 可选择（标准）
- 标准不含真空料斗
- Smooth material supply by using various receivers
- A separate dust collecting cyclone collects the dusts from pulverizedmaterials first, and a carter strains the dusts again
- Run/Stop timer is operated by Controller
- Transfer failure alarm
- 1:1,1:2 Choice
- Standard configuration excludes a vacuum hopper.

► 选项规格 | Option specifications

型号 Model	限位型传感器 Limit sensor		光电型传感器 Photoelectric sensor		限位+光电型传感器 Limit + photoelectric sensor	
	标准 Standard	2WAY规格 (Option)	标准 Standard	2WAY规格 (Option)	标准 Standard	2WAY规格 (Option)
HELA-200LE	L	LD	P	PD	X	LP
HELA-300LE	L	LD	P	PD	X	LP
HELA-500LE	L	LD	P	PD	X	LP
HELA-750LE	L	LD	P	PD	X	LP

*规格如有更改，恕不另行通知。*Above specifications are subjected to change without prior notice.
*x: 没有 × Not Available

► 一般规格 | General specifications

机型 Model		HED-50E	HED-75E	HED-100E	HED-150E	HED-200E	HED-300E	HED-500E	HED-600E	HED-800E	HED-1000E	HED-1300E	HED-2000E	
电源(客户提供)/Power supply		V AC 380V±10%, 50/60Hz 3phase+E+N(三相五线制)												
干燥温度/Drying temperature		℃ 80℃ ~ 180℃												
干燥料筒 Drying hopper	容积/Capacity	L	80	120	160	230	300	450	800	900	1200	1500	2000	3000
	容积/Capacity @0.65	kg	50	75	100	150	200	300	500	600	800	1000	1300	2000
	保温材料/Material 双层保温+外壳/Double insulation & shell													
干燥风机容量/Drying Blower Capacity (50/60)hz		kw	0.155/0.185	0.155/0.185	0.215/0.258	0.32/0.38	0.32/0.38	0.34/0.4	0.75/0.83	0.75/0.83	1.5/1.75	2.2/2.55	4/4.6	5.5/6.3
干燥加热器容量/Drying heater Capacity(接触器/Contactor)		kw	6	4	4	10	10	12	15	15	18(SSR)	22(SSR)	30(SSR)	45(SSR)
热风循环型/Hot Air Circulation		标准/Standard												
磁力底座/Magnetic Base		选项/Option												
脚轮/Caster wheels		标准/Standard					x: 没有 /× Not Available							
可拆卸落地支架/Landing leg		标准/Standard								x: 没有 /× Not Available				
一体式落地支架/Full frame structure		x: 没有 /× Not Available								标准/Standard				
安全防护梯/Safety protection ladder		x: 没有 /× Not Available								标准/Standard				
控制/Control	控制方式/Control mode	微电脑控制器 / Microcomputer controller												
	操作方式/Operation mode	标准: 按键方式 / Standard: button method												
	RS-485通讯/RS-485 Communication	标准: 带 / Standard: With												
	输送功能/Conveyor function	无输送功能 / No conveying function												
	控制回路变压器/Control circuit transformer	标准: 不带-Standard/Without / 选项: 带-Option: With												
	报警保护回路 Alarm/Protection Circuit	过温 (干燥) /Over heat (Drying)												
		风机过载 /Fan overload												
风机逆向保护/Motor Reverse Prevention														
停止时冷却延时/Delayed Cooling at Shutoff														
附带品/Accessories		电源线 / Power supply cable 7m												
设备重量/Weight		kg	100	123	132	140	170	210	280	310	350	450	627	1058
外形尺寸/Size (H*D*W)-不含料斗/Without Cyclone		mm	1750x900 x1400	1850x1000 x1450	1850x1050 x1500	1950x1050 x1500	2150x1150 x1650	2300x1050 x1750	2500x1250 x2050	2700x1250 x2050	3600x1400 x3200	3900x1400 x3200	4300x1500 x3200	4700x2300 x3850

*HED-800IE及以上加热管控制为固态继电器SSR，其他型号加热管控制是交流接触器。
*HED-800IE and above heating tubes are controlled by solid-state relays (SSR), while other models of heating tubes are controlled by AC contactors

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

► 一般规格 | General specifications

型号 Model	风机 Blower	风量 Air flow	空气压力 Air flow pressure	管 Hose (mm)		重量 Weight	最大输送能力 Delivery capacity	外形尺寸mm Dimensions
	kw	m³/min	mbar	原料 Material	真空 Vacuum	kg	kg/h	HxWxD
HELA-200LE	1.5	3.5	-190	Φ38	Φ38	38	300-400	450 x 370 x 650
HELA-300LE	2.2	4.4	-230	Φ38	Φ38	49	400-600	1070 x 460 x 360
HELA-500LE	4	5.3	-290	Φ50	Φ50	63	500-700	1200 x 470 x 370
HELA-750LE	5.5	8.8	-300	Φ50	Φ50	62	900-1000	1600 x 550 x 420

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.
*输送能力测试条件为：堆积密度约0.65kg/L，直径为3-5mm塑胶原料颗粒，以垂直高度4m，水平距离5m为测试标准所得。
*Conveying capacity test conditions: plastic raw material particles with bulk density ~0.65 kg/L and 3-5mm diameter, tested at 4m vertical height and 5m horizontal distance.
*电压/Voltage: AC 380V±10%, 50/60Hz 3phase+E+N(三相五线制)

► 选项规格 | Option specifications

型号 Model	容量 Capacity L	管道Hose line (mm)		选项Option	
		吸入 Suction	输送 Material	限位开关 Limits	光电开关 Photoelectric
HECA-3E	3	φ38	φ38	X	P
HECA-7E	7	φ38	φ38	L	P
HECA-12E	12	φ38/φ50.8	φ38/φ50.8	L	P
HECA-25E	25	φ50.8/φ63	φ50.8/φ63	L	X
HECA-40E	40	φ50.8/φ63	φ50.8/φ63	L	X

*规格如有更改，恕不另行通知。
*Above specifications are subjected to change without prior notice.

*x: 没有 × Not Available



HELA SERIES

三相吸料机 Hopper Loader

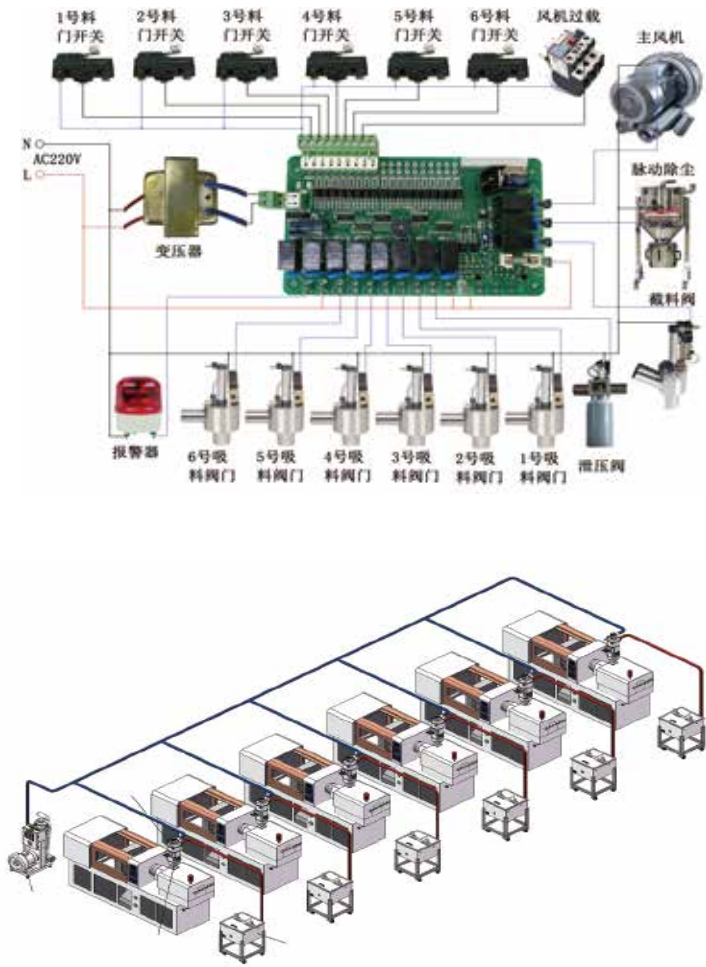


► 特征 | Features

- 一对六供料输送，可大幅节省成本。
- 分离式集尘桶，方便清理粉尘。
- 主机配备故障及马达过载指示灯，可迅速报警。
- 主机附破真空分离阀以保护风机。
- 搭配光电料斗使用时，光电料斗可直接安装在成型机上。

► 一般规格 | General specifications

机型 Model		HELA-5.5SS-6	HELA-7.5SS-6	HELA-11SS-6
最大输送量/Max.Capacity	kg/h	600	800	1000
风机功率/Motor Power 50/60Hz	kw	5.5	7.5	11
风机负压/Vaccum 50/60Hz	mbar	430	430	430
噪音/Noise level	dB(A)	75	80	80
产品重量/Weight	kg	190	210	230
电源/Power Source		AC 380V + 10%, 50/60Hz 3phase		
真空管/Vac. line	Φ(mm)	50/60		
过滤面积/Filt. surf.	m2	11		
过滤经度/Filt. degr.	μ	8		
控制方式/Control mode		1V6 substrate control		
料位感应/Material level sensing		磁簧开关M/光电开关P \ Magnetic reed switch M/photoelectric switch P		



- One-to-six feed conveying can greatly save costs.
- Separated dust collector for easy cleaning of dust.
- The main body is equipped with fault and motor overload indicator, which can quickly alarm.
- The main body is equipped with a vacuum separation valve to protect the fan.
- When used with photoelectric hopper, photoelectric hopper can be installed directly on the forming machine.

MIX TANK SERIES

混合比例料箱 MIX TANK



► 特征 | Features

- 适用于新料、粉碎料2种原料存储及计量
- 新料定速，粉碎料可调速，同步计量输出
- 配比精度 ±2%
- 模块化设计，无死角。
- Suitable for storage and measurement of two types of raw materials: new and crushed materials hopper reduces noise pollution.
- Fixed speed for new materials, adjustable speed for crushed materials, synchronous metering output.
- Proportioning accuracy ± 2%.
- Modular design with no dead corners.

► 选项 | Option

- 粉碎料缺料报警
- 输送用真空料斗
- Crushed material shortage alarm
- Vacuum hopper for conveying



双螺杆控制 / Twin Screw Control



双螺杆控制 / Twin Screw Control



缺料报警功能 / Shortage Alarm Function

► 一般规格 | General specifications

机型 Model		MT-50x50	MT-100x100	MT-150x150	MT-250x250
电压/Voltage		AC 220V 50Hz 1phase			
新料贮存容量/Capacity of material	kg	50	100	150	250
粉碎料贮存容量/Capacity of regrind	kg	50	100	150	250
新料计量能力/Delivery capacity of material	kg	MAX 290			
粉碎料计量能力/Delivery capacity of regrind	kg	14.5~203			
计量精度/Commercial mix precision	%	±2%			
标准出料口径/Standard discharge diameter	mm	Φ38	Φ38	Φ38	Φ38
混合后原料缺料报警/Mixture shortage alarm		标准/STD			
新料缺料报警/New material shortage alarm		标准/STD			
粉碎料缺料报警/Crushed material shortage alarm		选项/option			
输送用真空料斗/Vacuum hopper for conveying		选项/option			
设备总功率/Total power of equipment	kw	0.2kw			
外形尺寸(LxWxH)/Size	mm	700x600x1200	950x860x440	1100x1000x1400	1300x1200x1600
重量/weight	kg	50	60	70	100

*标准的出料口径是Φ38。如果需要更换其他出料口，如 Φ50，Φ63，下单时请标注清楚。
*The standard discharge diameter is Φ 38. If other discharge ports need to be replaced, such as Φ 50, Φ 63. Please label clearly when placing an order.
*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

HECA SERIES

料斗 Cyclone



Check to avoid shortage of material and supply material byconnecting hopper loader
确认有无原料，并连接吸料机进行供料

► 特征 | Features

- Lid hinge type(铰链方式):方便固定与维修
- Damper 内置Hopper 内部
- 最适合自动供料
- Lid hinge type :easy maintenance
- Damper inside hopper(Standard equipment)
- Optimized design for auto-feeding system

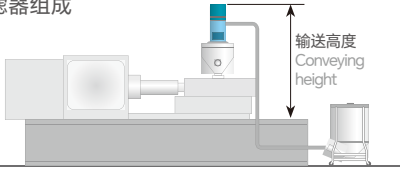
VLM II SERIES

单相吸料机 Single Phase Loader



单级装载机VUM-sense由单级风机、大过滤器、自动过滤器和可拆卸的TSU过滤器组成

Sinale loader VLM series consist of second stage blower,big filter, auto filter deaning and removable tissue filter and gasket



*最大高度为2.5米。The maximum height is 2.5meters.

► 一般规格 | General specifications

机型 Model		VLM2-II	VLM4-II
最大输送量/Max. capacity	kg/h	60	80
风机功率/Motor power	kw	1.1	1.1
风压/Vacuum	mbar	180	180
电源/Power supply	-	AC 220V + 10%, 50/60Hz Single phase	
容量/Capacity	L	2	4
管道直径/Pipes ϕ	mm	38	38

VELA SERIES

正压空气吸料机 Positive Pressure Air Suction Machine



► 特征 | Feature

- 结构紧凑，适用于小型设备原料供应。
- 增加排风过滤器，气体排出不污染工作环境
- 采用压缩空气正压输送，噪音小
- 模块化设计，无死角。
- 增加过滤调压组合，确保压缩空气质量
- 手控器操作方式
- 可设定吸料，落料时间
- 可设定缺料报警次数
- Compact structure, suitable for small equipment raw material supply.
- Add exhaust filters to ensure that gas emissions do not pollute the working environment.
- Adopting compressed air positive pressure delivery, with low noise.
- Modular design with no dead corners.
- Increase the combination of filtration and pressure regulation to ensure the quality of compressed air
- Manual controller operation mode
- Can set suction and discharge time
- Can set the number of material shortage alarms

► 一般规格 | General specifications

机型 Model	VELA-1L	
电压/Voltage	AC 220V 50Hz 1phase	
输送能力/Conveying capacity	kg/h	MAX 40
料斗容量/Hopper capacity	L	1
压缩空气流量/Compressed air flow rate	Nm³/h	2.5-5.0 Nm³/h
最大输送距离/Maximum conveying distance	m	MAX 4m
最大输送高度/Maximum conveying height	m	MAX 3m
输送管管径/Conveyor pipe diameter	mm	Φ25mm
满料信号/Full material signal	-	玻璃管处光电开关感应/Photoelectric switch induction at the glass tube
缺料信号/Shortage signal	-	多次吸料，仍未满料时报警（可调整次数）/Multiple suction times, alarm if not fully filled (adjustable frequency)
压缩空气/Compressed air	bar	6.0 bar /Φ8mm
附属品/Accessories	-	PVC管(耐高温120℃) 4米 / PVC pipe (resistant to high temperature of 120 °C) 4 meters
	-	Φ8气管 4米 / 4 meters of diameter 8 gas pipe
	-	电源线长度5米 / Power cord length 5 meters
设备总功率/Total power of equipment	W	50W
外形尺寸(LxWxH)/Size	mm	245 x 230 x 310
重量/weight	kg	6.5

*输送能力测试条件：堆积密度约0.8kg/L，直径为3-5mm 塑料原料颗粒，以压缩空气压力5bar，垂直高度3m、水平距离1m为测试标准所得。

*Testing conditions for conveying capacity: Bulk density of about 0.8kg/L, diameter of 3-5mm plastic raw material particles, with compressed air pressure of 5bar, vertical height of 3m,and horizontal distance of 1m as the testing standards.

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

RVR SERIES

比例阀 Ratio Valve

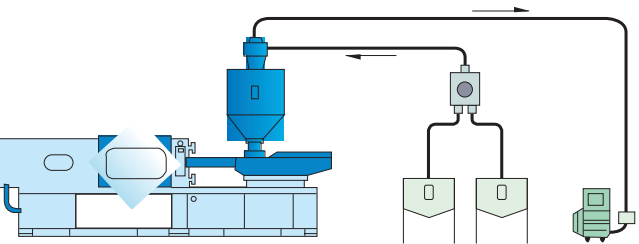


► 规格 | Specifications

- 安装时间继电器-可设定混合比率
- 简单的拆装(开闭)构造,方便清扫与管理
- Ratio is set by timer
- Cleaning is easy during material replacement

► 一般规格 | General specifications

机型 Model	输送 Material line(mm)
RVR-38-2	φ38
RVR-50-2	φ50.8
RVR-60-2	φ60.5



ONE WIRE PLC

供料控制器 Feed Controller



RDB(接收分配盒)
RDB(Receiver Distribute Box)



RDB(清洁线分配盒)
RDB(Lineclean Distribute Box)
16个管路清洗阀可单独控制最多32个
16ea of line cleaning valves can be individually controlled, up to 32ea

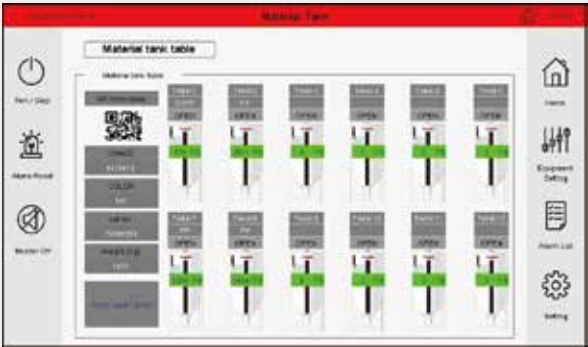


► 网络系统增强 | Network system Enhancement

- 所有设备设置、控制和操作处理都可以通过 PC 和智能手机应用程序进行
- 使用移动手控器，可以随时随地进行系统管理，不受空间限制。
- All facility settings, control, and operation processing are possible from PC and smartphone app
- With mobile hand controller, system management can be done anytime, anywhere without space limitation

► 提高性能 | Improved performance

- 提供无线 LED 标牌、混合防止歧管和变频鼓风机等选项
- 接收器、抽吸单元和管路清洗阀通过 DEVICE NET方法的高速通信连接，而不是传统的 PLC方法
- 一台服务器可连接40个接收器、8个抽吸单元、64个管路清洗阀，方便扩展
- 可以直接选择接收器上的管路清洗阀
- 用户可以直接在接收器上设置研磨机混合阀的时间
- 用户可以设置接收器名称和管路清洗阀名称
- 无线 LED 标牌，防止混合
- Options such as wireless LED signage, mixing prevention manifold, and inverter blower are available
- Receiver, suction unit, and line cleaning valve are connected by high-speed communication of DEVICENET method rather than conventional PLC method
- 40 receivers, 8 suction units, and 64 line cleaning valves can be connected from one server, making it convenient for expansion
- Direct selection of line cleaning valves on the receiver is possible
- User can set the time of the grinder mixing valve directly on the receiver
- User can set receiver name and line cleaning valve name
- Wireless LED signage, mixing prevention



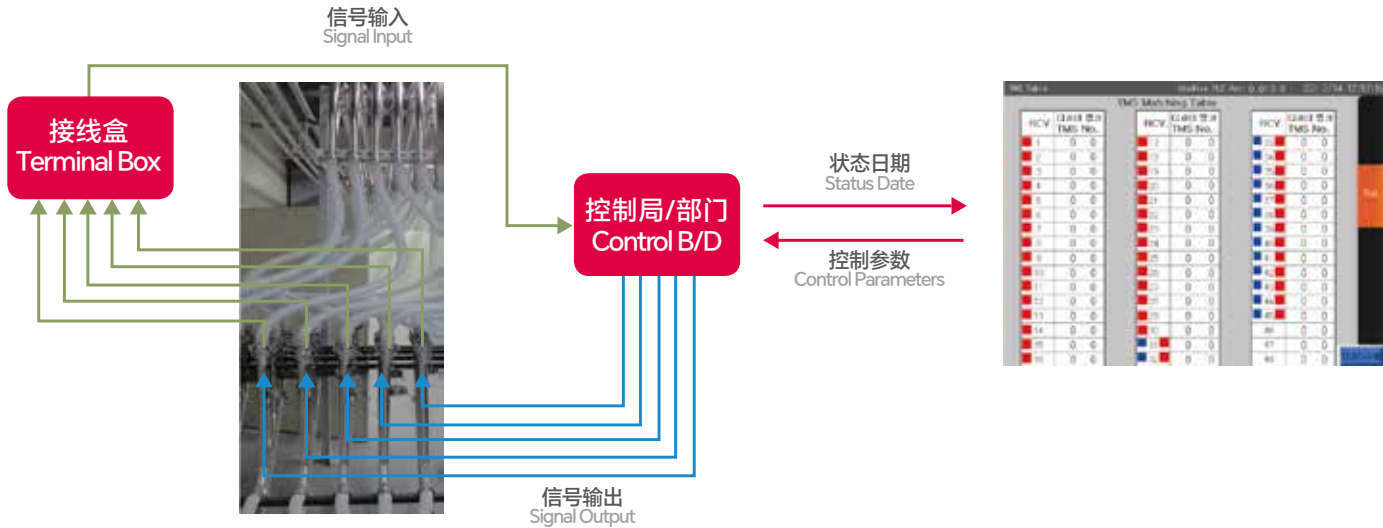
► 选项 | Options

- 防止错误输入原材料、解码系统
Prevention of incorrect input of raw materials、Decodingsystem
- 可以解决注塑缺陷，防止通过防止错误输入来减少原材料的损失。It is possible to solve the injection defect and prevent the loss of raw materials by preventing the wrong input of raw materials.
- 只有选定的原材料可以转移到指定的接收者
 - 当未选择的原材料和 RECEIVER 是已连接，无法传输并报警
 - 通过 One Wire 控制原材料和 RECEIVER可编程逻辑控制器
 - 使用 Wi-fi 无线路由器，用户可以查看和控制原始数据通过连接到 One wire 服务器的材料传输状态没有空间限制。
 - 通过加强网络功能，不仅使与移动设备连接方便，还消除了有线的不便，并增加了空间的流动性。
 - Only the selected raw material can be transferred to the assigned RECEIVER
 - When unselected raw materials and RECEIVER are connected, transfer is impossible and alarm
 - Raw material and RECEIVER control through One Wire PLC
 - With Wi-fi wireless router, user can check and control raw material transfer status by connecting to One wire server without space restrictions.
 - By strengthening the network function, it not only makes connection with mobile devices convenient, but also eliminates the inconvenience of wired and increases the mobility of the space.

► 一般规格 | General specifications

机型 Model	申请 Apply	影响 Effect
One wire	由一根线组成/Composed of one line	缩短安装时间/方便扩展 Reduction of installation time/convenient expansion
RDB	接收者 过滤单元(吸风机)	高效的系统配置/Efficient system configuration 接收，最大40ea/Receiver max.40ea 过滤单元，最大8ea/Filter unit max.8ea 管路清洗阀，最大64ea/Line cleaning valve max.64ea
LDB	管路清洗阀	
网络 Network	手机(WiFi) 个人电脑	功能增强:移动性的维护/改善 Function enhancement:Maintenance/Improvement of mobility
信息 Information	LED信息面板	视觉报警/Visual alarm
灵活性 Flexibility	程序统/Unification of programs 可以处理选项/Options can be processed	定制/Customized 单独控制/Individual control
	YUDO技术，反应灵敏/YUDO technology, responsiveness	出现问题时，迅速解决/When a problem occurs, quickly solve it

► 流程图 | Flow



SUCTION FILTER & BLOWER

真空站 Suction Filter&Blower

自动供料专用，是拥有强力的送料能力，低噪音，高效率的风机系列
Special for automatic feeding, it is a fanseries with strong feeding capacity, lownoise, and high efficiency



► 特征 | Feature

- 专用过滤器 & 风机
- 一体型构造，充分活用空间
- 采用低噪音，高效率的边管风机
- 过滤器自动清扫，分离型粉尘桶清理方便
- 真空压力计与BY-PASS 阀门
- MATRIX special filter&blower
- Excellent space-efficiency by all-in-one structure
- Side channel blower with low-noise and high efficiency is adopted
- Automatic cyclone filter cleaning system
- Vacuum gauge and bypass valve

► 选项 | Option

- 喷洗装置
- 变频启动
- Spray cleaning device
- Frequency conversion start

MAINTENANCE HOPPER

暂存斗 Maintenance Hopper



连接接收器与注塑机的原料桶
Hopper connected with receiver and IMM

► 特征 | Feature

- 不锈钢主体(HM)
- 安装手动滑动底座
- 保温与漂亮的铝片外观(HMC)
- 钢化玻璃底座(HMX)
- 铰链连接的开闭式盖子，维修方便n
- Stainless steel body
- Manual slide gate
- Good-looking and insulated aluminum design (HMC)
- Tempered glass base (HMX)
- Easy maintenance with hinge cover type



► 一般规格 | General specifications

机型 Model		OW4N-FU3-60A	OW5N-FU3-60A	OW7N-FU3-60A	OW11N-FU3-60A
最大输送量/Max.Capacity	kg/h	600	1000	1500	2000
风机功率/Motor Power 50/60Hz	kw	4	5.5	7.5	11
风机负压/Vaccum 50/60Hz	mbar	430	430	430	430
噪音/Noise level	dB(A)	75	75	80	80
产品重量/Weight	kg	135	190	210	230
电源/Power Source		AC 380V + 10%, 50/60Hz 3phase			
真空管/Vac. line	Φ(mm)	50	50/60	60	70
过滤面积/Filt. surf.	m²	6.7		11	
过滤经度/Filt. degr.	μ			8	
过滤器清扫/Clean type				Self-cleaning	

► 一般规格 | General specifications

机型 Model		容量 Capacity(L)	保温材厚度 Heat Insulation Thickness(mm)
H5M	原料桶 Hopper	5	-
H15M		15	
H30M		30	
H5MC		5	
H15MC	保温原料桶 Maintenance hopper	15	60
H30MC		30	

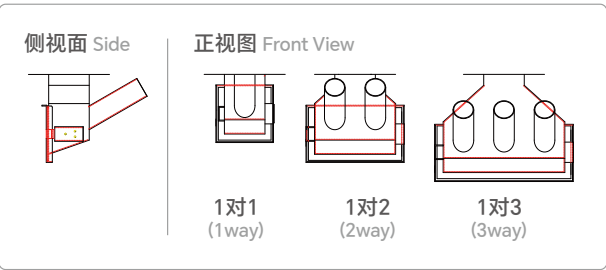
EZS SERIES

原料桶 Storage Bin



针对需要多种注塑原料供给的注塑工程，专门设计了EZS系列耐久性好，防污染的原料桶。

EZS series are designed for optimum performance includingdurability and prevention of material's contamination ininjection molding process, in which a large amount ofmaterials are needed.



► 一般规格 | General specifications

机型 Model	容量 Capacity(L)	类型 Type	吸引料枪(选项) Material pipe(option)(mm)
EZS-50	84	方型 Square	Φ38/Φ50/Φ63
EZS-100	167		
EZS-200	334		
EZS-300	500		
EZS-500	834		

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

RECEIVER

接收器 Receiver

OW系列是专为集中自动送料系统设计
The OW series is designed specifically forcentralized automatic feeding systems



► 特征 | Feature

- 不锈钢增强了耐用性
- 磁传感器
- 自动送料系统真空断路器阀
- 容易识别带有警报的故障
- Increased durability with stainless stee
- Magnetic sensor
- Vacuum breaker valve for auto feeding system
- Easy to recognize troubles with an alarm

► 一般规格 | General specifications

机型 Model		HECA 2M-OW	HECA 4M-OW	HECA 5M-OW	HECA 10M-OW	HECA 25M-OW	HECA 50M-OW
容量/Capacity	L	2	4	5	10	25	50
重量/Weight	kg	7	8	10	12	15	17

BD SERIES
称重式混合机 Gravimetry Blenders



BD系列混料机
如图所示：地面安装架可选
BD Series Mixer
Floor Mounting Rack Optional

BD系列根据您生产的产品提供正确的设备和工艺。BD系列称重混合机可满足客户的各种需求。
Applications and pocesses are as unlauae aSthe products they produce.The BD SeriesBatch Weigh Blenders have a variety ofoptions available toadapt the ubit to yourindividual needs.

► 特征 | Features

- 可调节分配值设计

■ 耐用，持久性结构—不锈钢称重料仓

■ 设备构造简单，便于清扫和维护

■ 采用行程限制器设计的菱形阀

■ 气缸放料称重式混料机
- Adjustable Dispensing Value Design

■ Durable, Long Lasting Construction-Stainless steel weigh bin

■ Easy Cleaning and maintenance

■ Rhombus valve with stroke limiter

■ Cylinder discharge weighing mixer

► 选项 | Option

- 可移动式落地支架

■ 重型气动卸料阀

■ 出料盒

■ 储料斗低料位传感器

■ 储料斗排料管
- Movable floor stand

■ Heavy duty pneumatic discharge valve

■ Outlet box

■ Storage hopper low level sensor

■ Storage hopper discharge pipe

MANIFOLD
原料分配站 Manifold Matrix Manual Manifolds



► 特征 | Features

- 组装式构造，扩展性强

■ 快速连接，装拆方便

■ 适用管道:Φ38/50/63/76
- Assembly-type structure

■ With connector

■ Applicable pipeline :Φ38/50/63/76

► 选项 | Option

- 弯头/三通:渗氮处理

■ 弯头/三通:高硼硅玻璃管
- Elbow/tee :Nitriding treatment

■ Elbow/tee :Borosilicate glass tube



PIPING
排管系统 Piping



玻璃弯管
Borosilicate glass tube



渗氮弯管
Nitriding Elbow



金属螺旋软管
Metal Spiral Hose



不锈钢快速接头
SUS Quick Connector



管道连接器
Pipe Ponnector

► 一般规格 | General specifications

机型 Model	描述 Description
DC	不锈钢接头盖子/Stainless steel connector cap
A	不锈钢管箍接头/Stainless steel pipe clamp
C	不锈钢接软管接头/Connector that connet stainless steel pipe to hose
SUS	渗氮耐磨弯管/Nitriding Elbow
PVC/PU	金属螺旋软管/Metalspiral hose
45°/90°	玻璃弯管/Borosilicate glass tube
SUS(100L)	管道连接器/Pipe connector

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

► 一般规格 | General specifications

机型 Model		BD-200	BD-500	BD-900	BD-2500	BD-4000	BD-6000
电压/Voltage	V/hz	AC220V+10%,50/60Hz 1phase					
控制方式/Voltage		PLC 及触摸式控制方式/PLC and touch control mode					
混合能力/Mixing capacity	kg/h	90	227	410	1135	1815	2725
要混合的材料数量 Of maerials to be blended	EA	2~4	2~6	2~8	2~8	2~8	2~8
滑门尺寸/Slide gate	mm	50	50	50	63	76	76
储料斗容量/Hopper capacity (Max)	L	20	40	40	85	212	212
储料斗容量/Hopper capacity (Min)	L	5	28	28	77	170	170
称重料斗容量/Weighing Hopper capacity	L	5	5	11	23	34	61
拌料室容量/Mixer capacity	L	7	7	16	31	77	77
标准计量值/Typical batch size	kg	1.8	1.8	3.6	11.3	15.8	20.4
称重精度/Weighing accuracy	%	±0.2	±0.2	±0.2	±0.2	±0.2	±0.2
拌料器功率/Mixer motor power	kw	0.12	0.12	0.12	0.25	0.75	0.75
混料转速/Motor speed	rpm	21	21	21	22	22	22
称重元件量程/Load cell capacity		2@3kg	2@3kg	2@5kg	2@10kg	2@15kg	2@15kg
出料口尺寸/Discharge opening	mm	76	76	76	102	102	102
重量/Weight	kg	170	170	205	295	500	500
外形尺寸-不含落地支架/(LxWxH)-标准 Size-Without floor stand	mm	814x814x1071	933x933x1307	1016x1016x1435	1175x1175x1759	1461x1448x2172	1459x1459x2273
外形尺寸-含落地支架/(LxWxH)-选项 Size with floor stand(option)	mm	1400x1300x2060	1400x1300x2297	1400x1300x2425	1400x1400x2904	1459x1459x3317	1459x1459x3418

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*外形尺寸的总高度不含真空吸料料斗的高度。The total height of the external dimensions does not include the height of the vacuum suction hopper.

YLG SERIES
慢速粉碎机 Slow Speed Granulator



► 特征 | Features

- 双层阻尼料斗静音粉碎
- 低转速粉碎(24rpm)
- 无筛网设计，破碎均匀粉末少，方便清理
- 中空轴型齿轮减速电动机驱动，无需加油节省空间
- 30S立即回收可减少对水口料的湿化，氧化等破坏
- Sound proof steel used for feeding hopper reduces noise pollution
- Low-speed granulate.(24rpm)
- No screen design, crushing uniform powder less, easy to clean up
- Hollow shaft type gear reducer motor drive, no need for refueling to save space
- Immediate recovery of 30S can reduce damage to the water outlet materialsuch as wetting and oxidation

► 选项 | Option

- 料位上限报警
- 立即回收系统
- Material level upper limit alarm
- Immediate recycling system



刀具展示



刀具结构图



实验案例

► 一般规格 | General specifications

机型 Model			YLG-2E	YLG-3E	YLG-5E	YLG-5FE
电压/Voltage			AC 380V±10%, 50Hz 3phase+E+N(三相五线制)			
马达/Motor	电机功率/Motor	kw	1.5	2.2	3.7	3.7
	回转数/Rotating speed	rpm	24			
投料口尺寸/Feeding port size		mm	400x400	420x420	485x485	485x610
粉碎室尺寸/Size of pulverizing chamber		mm	317x317	423x317	475x384	605x385
动刀(菠萝刀)/Moving cutter(Pineapple cutter)		EA	3	4	4	4
回转刀(S刀)/Rotary cutter (S cutter)		EA	2	3	3	3
固定刀(正/反)/Fixed cutter (forward/reverse)		EA	6	8	8	8
粉碎能力/Crushing capacity		kg/h	20~25	25~30	35~55	60~75
粉碎颗粒/Crushed piece		mm	5~6			
吸引式料箱容积/Capacity of box		L	16	22	31	39
外形尺寸(WxLxH)/Size		mm	480x1040x1108	480x1160x1280	610x1325x1420	610x1450x1420
重量/Weight		kg	288	334	495	1100

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*吸引式料箱(标准):出料口Φ38.。Suction type material box(standard):discharge port Φ38.

YMG SERIES
中速粉碎机 Medium Speed Granulator



► 特征 | Features

- 双层阻尼料斗静音粉碎
- 错刀式结构，分散冲击负荷
- 斜孔筛网，无漏切削
- 清扫简便
- 双重限位开关保护，使用安全
- 适合注塑的软料、水口料
- Sound proof steel used for feeding hopper reduces noise pollution
- Crossed cutter structure disperses impuls load
- Oblique screen makes no miss-cut
- Easy cleaning
- Safety operation with double limite switch protection
- Suitable soft materials and nozzle materials for injection molding

► 选项 | Option

- 料位上限报警
- 立即回收系统
- Material level upper limit alarm
- Immediate recycling system



刀具展示



刀具结构图



实验案例

► 一般规格 | General specifications

机型 Model			YMG-8-3E	YMG-10-3E	YMG-13-5E	YMG-15-5E
电压/Voltage			AC 380V±10%, 50Hz 3phase+E+N(三相五线制)			
马达/Motor	电机功率/Motor	kw	2.2	2.2	3.7	3.7
	回转数/Rotating speed	rpm	143	143	143	140
投料口尺寸/Feeding port size		mm	315x270	315x270	430x310	430x270
粉碎室尺寸/Size of pulverizing chamber		mm	236x270	291x270	375x305	430x270
旋转刀/Rotary cutter		EA	8	10	13	15
固定刀/Bed cutter		EA	2	2	2	2
筛网孔径/Screen holes		mm	Φ6	Φ6	Φ6	Φ6
粉碎能力/Crushing capacity		kg/h	10~20	15~25	20~30	25~35
吸引式料箱容积/Capacity of box		L	10	12	18	18
外形尺寸(WxLxH)/Size		mm	470x970x1140	470x995x1140	510x1115x1300	470x1175x1295
重量/Weight		kg	192	192	400	500

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*吸引式料箱(标准):出料口Φ38.。Suction type material box(standard):discharge port Φ38.

YMG SERIES
中速粉碎机 Medium Speed Granulator



► 特征 | Features

- 双层阻尼料斗静音粉碎
- 错刀式结构，分散冲击负荷
- 清扫简便
- 双重限位开关保护，使用安全
- 适合吹塑的中空瓶类及大块料
- Sound proof steel used for feeding hopper reduces noise pollution
- Crossed cutter structure disperses impuls load
- Easy cleaning
- Safety operation with double limite switch protection
- Hollow bottles and bulk materials suitable for blow molding

► 选项 | Option

- 料位上限报警
- 立即回收系统
- Material level upper limit alarm
- Immediate recycling system



刀具展示

YHG SERIES
高速粉碎机 High Speed Granulator



► 特征 | Features

- 双层阻尼料斗静音粉碎
- 无筛网设计，破碎均匀粉末少，方便清理
- 中空轴型齿轮减速电动机驱动，无需加油节省空间
- Sound proof steel used for feeding hopper reduces noise pollution
- No screen design, crushing uniform powder less, easy to clean up
- Hollow shaft type gear reducer motor drive, no need for refueling to save space

► 选项 | Option

- 料位上限报警
- 立即回收系统
- Material level upper limit alarm
- Immediate recycling system



► 一般规格 | General specifications

机型 Model			YMG-12-5.5E	YMG-15-5.5E	YMG-18-5.5E
电压/Voltage			AC 380V±10%, 50Hz 3phase+E+N(三相五线制)		
马达/Motor	电机功率/Motor	kw	4	4	4
	回转数/Rotating speed	rpm	304	304	304
投料口尺寸/Feeding port size		mm	390x292	390x368	390x443
粉碎室尺寸/Size of pulverizing chamber		mm	236x270	291x270	375x305
旋转刀/Rotary cutter		EA	12	15	18
固定刀/Bed cutter		EA	2	2	2
筛网孔径/Screen holes		mm	Φ8	Φ8	Φ8
粉碎能力/Crushing capacity		kg/h	60~80	80~100	100~120
吸引式料箱容积/Capacity of box		L	12	15	18
外形尺寸(WxLxH)/Size		mm	590x1030x1550	670x1030x1550	740x1030x1550
重量/Weight		kg	426	500	574

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*吸引式料箱(标准):出料口Φ38.。Suction type material box(standard):discharge port Φ38.

► 一般规格 | General specifications

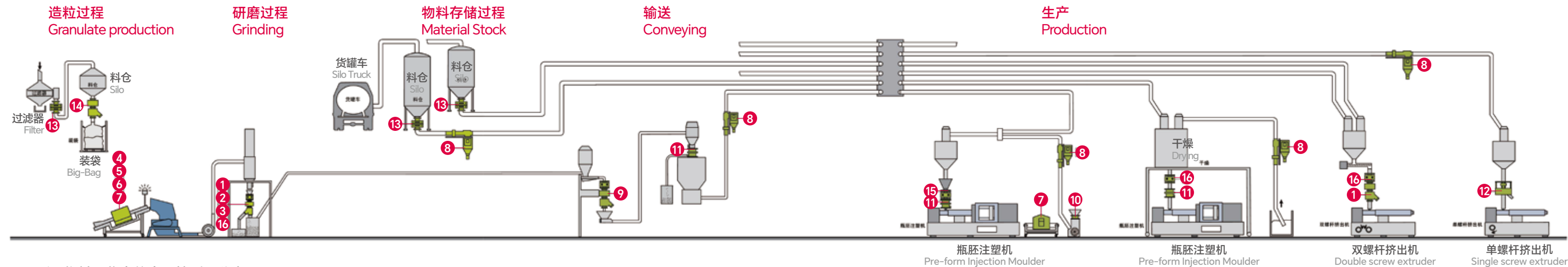
型号 Model	标准型/Standard		YHG-10E	YHG-15E	YHG-20E	YHG-30E	YHG-40E
	静音型/Mute type		YHG-10QE	YHG-15QE	YHG-20QE	YHG-30QE	YHG-40QE
电压/Voltage			AC 380V±10%, 50Hz 3phase+E+N(三相五线制)				
马达/Motor	电机功率/Motor	kw	7.5	11	15	22	30
	回转数/Rotating speed	rpm	570	520	520	450	450
投料口尺寸/Feeding port size		mm	390x250	490x310	595x330	800x480	800x480
粉碎室尺寸/Size of pulverizing chamber		mm	410x240	510x280	610x320	815x480	815x480
旋转刀/Rotary cutter		EA	12	15	18	24	24
固定刀/Bed cutter		EA	2	2	4	4	4
旋转直径/Rotating diameter		mm	250	310	350	400	400
筛网孔径/Screen holes		mm	8	10	10	12	12
接料箱容积/Capacity of box		L	60	120	200	400	400
外形尺寸 (WxLxH)/Size	标准型/Standard	mm	830x990x1280	1000x1380x1550	1100x1300x1720	1480x1730x2240	1480x1730x2240
	静音型/Mute type	mm	1120x960x1520	1340x1030x1780	1450x1150x1780	1750x1500x2425	1750x1500x2425
重量/Weight	标准型/Standard	kg	800	1000	1200	1600	1600
	静音型/Mute type	kg	1000	1200	1400	2600	2600
自动出料+除尘装置/Auto discharge+dust removal							

*规格如有更改，恕不另行通知。Above specifications are subjected to change without prior notice.

*吸引式料箱(标准):出料口Φ38.。Suction type material box(standard):discharge port Φ38.

METAL SEPARATOR

金属分离器 Metal Separator



► 物料回收中的金属检测及分离 | Metal-free sprue and parts recycling

金属检测器广泛应用于注塑行业、废料再回收循环利用行业，安装在给料输送系统中，以保护下游机械设备。同时可防止大块金属被粉碎设备粉碎，布满整个割切机，增加后续分离难度。

Sesotec metal detectors are widely used in the reprocessing of production waste (in-house recycling) or in specialist recycling facilities. They can be built into feeder conveyors to protect downstream milling machinery. Additionally they prevent larger pieces of metal from being shredded and thereby prevent tiny fragments of metal being spread throughout the granulate.



1
金属检测分离器RAPIDCOMPACT
RAPID VARIO-FS Metal Separator



3
金属检测分离器RAPID DUAL
RAPID DUAL Metal Separator



5
金属检测器ELCOM
ELCOM Metal Detector



2
金属检测分离器RAPID 4000-FS
RAPID 4000-FS Metal Separator



4
金属检测机ELS
ELS Metal Detector



6
配有PLASTICON输送带系统的金属检测机DLS
Metal detector DLS and DLS-R with
PLASTICON conveyor belt system

► 管道系统中的金属检测及分离 | Metal-free material handling in pipelines

在自由落体应用及气动管道运输系统中经常用到金属检测分离器，特殊设计，迅速反应的剔除板(Quick Flap System)能够从散料中快速剔除杂质，而且物料浪费极少。在管道中安装除铁器即可以作为单独设备使用也可以作为金属检测器的辅助设备。

Metal separators are often used in freefall applications and pneumatic conveying-pipelines. A specially-designed, fast-reacting reject flap ("Quick Flap System") removes metal contamination from bulk materials with minimal loss of good material. Magnetic separators installed in pipelines work as stand-alone devices or to support inductive metal separators.



7
金属检测器GLS
GLS and GLS-R Metal Detector



8
金属检测分离器GF
GF Metal Separator



14
新一代高精度金属检测分离器
PRO-SENSE Metal Separator



9
金属检测分离器PRESEP
PRESEP Metal Separator

► 挤塑机、注塑机和吹塑机中的金属检测及分离 | Metal-free extruding, injection and blow moulding

以下产品可以直接安装在挤塑机、注塑机和吹塑机的进料口，检测缓慢流动的物流中的金属杂质并迅速剔除。此外，Sesotec的产品可以在进料阶段和后续加工阶段都能够持续去除金属杂质。这些金属检测分离器能最大程度的保护机器，避免因金属杂质而导致的计量螺杆失灵，喷嘴阻塞和模具损害，Sesotec金属检测分离器设计灵活多样，能集成到各类输送系统中。

The following inline magnets and metal separators are installed directly at the material feed of extruders, injection moulding and blow moulding machinery and remove metal particles from a slowly downward-moving column of material. However they will also consistently remove metals from free-falling granulate, not only at the initial fill but also at subsequent top-ups. They provide maximum machine protection ("Last Chance Controller") and prevent metering screw failures, nozzle blockages and damage to tooling. Due to their compact design, heavy conveying, mixing or dosing equipment can be attached to these units.



10
金属检测分离器 P-SCAN
P-SCAN Metal Detector



12
金属检测分离器 PROTECTOR-MF
Metal Separator PROTECTOR-MF



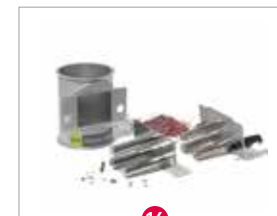
15
管路式除铁器 SAFEMAG
SAFEMAG Inline magnet



11
金属检测分离器 PROTECTOR
Metal separators of the PROTECTOR series



13
管路式除铁器 MAGBOX
MAGBOX Inline magnet



16
管路式除铁器 EXTRACTOR-J
EXTRACTOR-J Inline magnet

树脂干燥特性表 Resin Drying Condtion Table

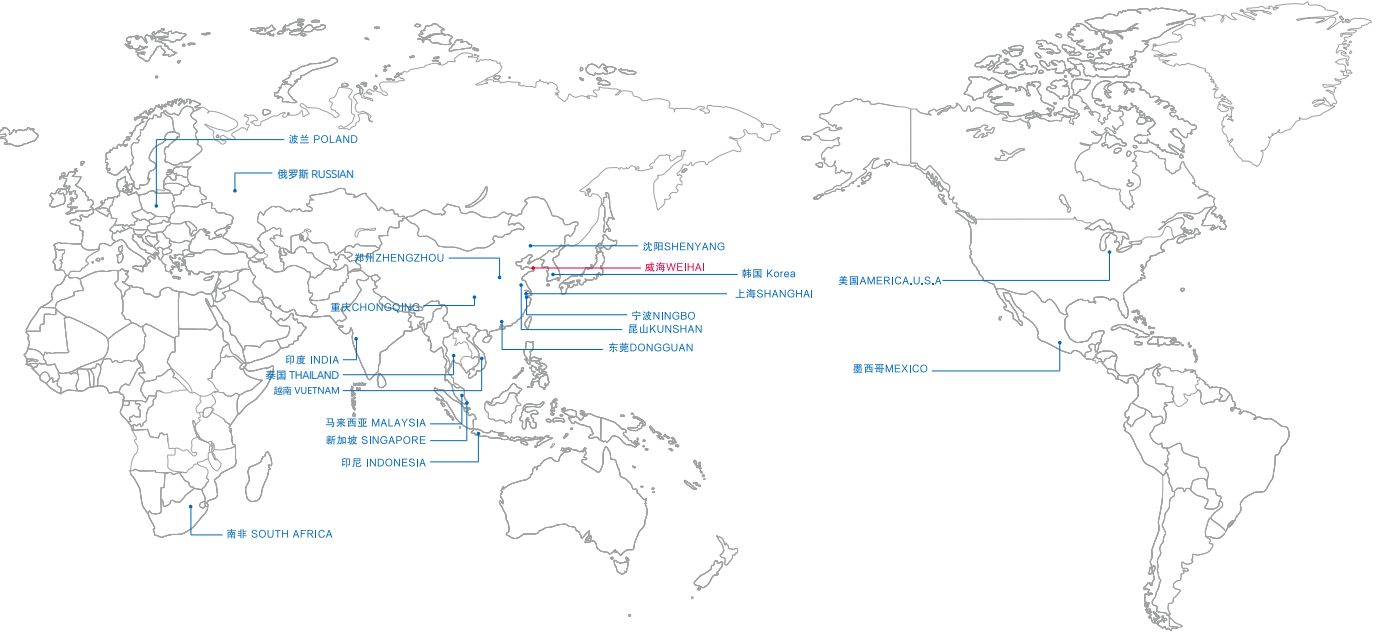
Plastic Material	Chemical Description	Bulk Density kg/dm³	Drying Time h	Drying Temperature °C	Nominal Air Flow m³/kg	Final Moisture % in weight	Typ. Starting Moisture % in weight
ABS(extrusion grade)	AcryloButadien Styrene	0.55	3~4	80~85	2.2	<0.015	<0.2
ABS(moulding grade)	AcryloButadien Styrene	0.55	2~3	85	2	<0.020	<0.2
CA(2)	Cellulose Acetate	0.7	2~3	70	2	<0.020	<0.7
CAB	Cellulose Acetate/Butirrate	0.6	2~3	70	2	<0.020	<0.6
EVA(2)	EthylenVinilAcetate	0.6	2~3	90~105	1.8	-	-
EV OH	EthylenVinilAlcool	0.6	2~3	90~105	2	-	-
LCP (1) (3)	Liquid CristalsPolymer	0.8	3~4	150	2.2	<0.01	<0.05
PA11-12 (3)(*)- Nylon	PolyAmide.Nylon	0.6	3~5	70~80	2	0.15-0.02*	0.6-1.2*
PA6/46/66(3)(*)- Nylon	PolyAmide	0.6	4~6	70~80	2	0.15-0.02*	0.6-1.2*
PAI	PolyArylenImide	0.85	6~8	180	2	<0.02	-
PAR (1) (3)	PolyArylate	0.7	5~6	120	2	<0.02	-
PBT (1) (3)	PolyButyilenTerephtalat	0.8	3~4	130~140	2.2	<0.02	<0.15
PC (3)	Poly Carbonate	0.65	2~3	120	2	<0.02	<0.3
PC/ABS	Abs/Polycarbonate	0.65	3	100	2	<0.020	<0.1
PC/PBT	Poly Carbonate/PBT	0.75	3~2	110	2.2	-	-
PE/ HDPEcable(*) (alogen free.cr.)	Polyethylene	0.7	4~10	60	2.5	<0.04*	<0.08
PE/HDPE/LDPE(7)	Polyethylene	0.5	1	85	1.6	<0.01	<0.02
PE/HDPE/LDPE black 3%	Polyethylene+carbonBlack3%	0.55	2~3	80	1.8	<0.01	-
PE/HDPE/LDPE black 40%	Polyethylene + carbonBlack 50%	0.7	2~3	80~90	2	<0.02	<0.2
PEEK (1)(3)	Poly EtherEtherKetone	0.8	3~4	150~160	2.2	<0.05	<0.1
PEI(1)(3)	Poly EtherImide	0.75	4~5	140~160	2.5	<0.01	<0.2
PEN(1)(3)	Poly EthyleNaphtalene	0.85	5~6	150~170	3	<0.005	-
PES	PolyetherSulfone	0.8	3~4	150~180	2	<0.05	<0.35
PET fiber textile (1) (3) (8)	PolyEthylenTerephtalate	0.84	5~6	160~180	3	<0.003	<0.2
PET bottl.-tech.I fiber-sheet (1) (3)	PolyEthylenTerephtalate	0.84	5~6	160~180	3	<0.003	<0.2
PET injection molding (1) (3)	PolyEthylenTerephtalate	0.85	3~4	130~140	2	<0.02	<0.2
PET PCR (1) (2) (3) (8)	Recycled PET-Post Consumer Regrind	0.35	4~5	130~140	3	<0.008	<0.3
PETG (4) (6)	PolyEthylenTerephtalate Glycol	0.74	4~5	65	3.5	<0.01	<0.1
PMMA-A crylic	PolyMetilMethacrylate	0.65	3~4	80	3	<0.02	<0.3
POM-Acetalic -(homopolymer)	PolyOxiMethylene	0.85	1	90~100	2	-	<0.1
PP talc 40%	PolyPropylene	0.65	2~3	90	2	<0.02	-
PPO (3)	PolyPropylene	0.65	2~3	90	2	<0.02	-
PPS (1) (3)	PolyPropylene	0.65	2~3	90	2	<0.02	-

自动供料系统案例 Application



ABIMAN全球分布图

ABIMAN Sales Network



北美洲

North America

美国 America(USA)
ABIMAN USA
375 INTERNATIONAL PARK SUITE 100 NEWNAN,
GA 30265
TEL.(01)334-703-1678
E-mail.ralph@abimanusa.com

墨西哥 Mexico
Abmeng Mexico S.A.DE C.V.
Monterrey) AVE.MIGUEL ALEMAN KM 14.2 LOCAL 211,
APODACA, NUEVO LEON, MEXICO C.P.66605
TEL.(52)1-81-2351-7562
E-mail.soporte2@abimanmexico.com

欧洲

Europe

波兰 Poland
ABIMAN ENGINEERING EUROPE (AEE)
ul.P ó łnocna 15-19, building 2.1, lokal 226, 54-105
Wroclaw, Poland
Tel.(48)887-2222
E-mail.JYPARK@abiman.com
yudopl.engineering3@yudoeu.com

俄罗斯 Russia
OOO YUDIX
Pionerskaya street, 2 of.12 Dmitrov city,
Moscow region 141802 Moscow-Russia
Tel.(7)903-667-6557
E-mail.commercial@yudo.su

非洲

Africa

南非 South Africa
HESTICO (PTY) LTD
94-96 10th road kew, Johannesburg
TEL.(011)786-5228
E-mail.bickie.s@hestico.co.za

中国

China

威海柳道机械有限公司
ABIMAN ENGINEERING CHINA
威海市经济技术开发区贝卡尔特路90-1号
Tel.(86)631-597-2588 Fax.(86)631-597-2589
E-mail.yudo@yudowh.com.cn

威海柳道机械有限公司(昆山分公司)
ABIMAN ENGINEERING CHINA
江苏省昆山市开发区百富路88号二期4号房3F
Tel.(86)512-5791-0286 Fax.(86)512-5791-0285
E-mail.yudo@yudowh.com.cn

威海柳道机械有限公司(沈阳分公司)
ABIMAN ENGINEERING CHINA
沈阳市浑南区智云路沈阳国际软件园E1号楼329室
Tel.(86)24-2490-2468 Fax.(86)24-2490-2468
E-mail.yudo@yudowh.com.cn

威海柳道机械有限公司(东莞分公司)
ABIMAN ENGINEERING CHINA
广东省东莞市长安镇德政中路239-7号莲盛大厦601
Tel.(86)769-8155-7622 Fax.(86)769-8155-7622
E-mail.yudo@yudowh.com.cn

亚洲

Asia

韩国 Korea
ABIMAN ENGINEERING Co.,LTD.
34, Pureundeulpan-ro 567 Beon-gil, Paltan-myeon,
Hwaseong-si, Gyeonggi-do,18529, Korea
TEL.(82)31-659-7302
E-mail.jkko@abiman.com

韩国 Korea
ABIMAN ROBOTICS KOREA
41-20, Burim-ro 170 beon-gil, Dongan-gu,
Anyang-si, Gyeonggi-do, Republic of Korea
TEL.(82)10-6332-5422
E-mail.echoi@abimanrobotics.com

新加坡 Singapore
YUDO ASIAN PTE. LTD.
No.11, Kian Teck Crescent, Singapore
TEL.(65)6264-1616(120)
E-mail.wenda@yudo.com.sg

新加坡 Singapore
STUDIO 3S PTE. LTD.
No.11, Kian Teck Crescent,Singapore
TEL.(65)6264-1616(501)
E-mail.laiwenkang@studio3s.com.sg

印尼 Indonesia
PT.ABIMAN ENGINEERING INDONESIA
Jl.Jababeka Raya Blok.K 2 A Kawasan Jababeka I,
Desa Wangunharja Kec.Cikarang Utara Kab.Bekasi
Indonesia
TEL.(62)21-8983-6280
E-mail.dhlee@abiman.co.id

印度 India
YUDO-SUNS PVT. LTD.
A108, Evershine industrial Estate
Chinchpada junction, Vasai(E)Thane.401208, India
TEL.(91)982-002-0622
E-mail.vishal@yudo.co.in

马来西亚 Malaysia
YUDO SDN BHD
No.12, Jalan Persiaran Maju Cemerlang,
Taman Perindustrian Maju Cemerlang,
81800 Ulu Tiram, Johor.Malaysia
TEL.(07)859-0216
E-mail.lam@yudosb.com.my

越南 VIETNAM
AEV ENG VINA CO. LTD.
605, 6TH FLOOR, VINH CAT BUILDING,
NO.39 LY THAI TO STREET, VO CUONG WARD,
BAC NINH CITY, BAC NINH PROVINCE, VIETNAM
TEL.(84)344-046-368 (82)10-4511-1407
E-mail.hcjang@abiman.com

泰国 Thailand
YUDO Thailand
888/129, 229-230 Moo 19 Soi Yingcharoen,
Bangplee-Tamru Road, Bangpleeyai,
Bangplee, Samutprakan 10540 THAILAND
TEL.(662)174-7236
E-mail.sales@yudo.co.th