

ARA

宁波阿拉塑机
ARA PLASTICS MACHINE

全自动吹塑整体方案解决专家

Specialist for full set of
EXTRUSION BLOW MOULDING MACHINE
project planning



全自动吹塑整体方案解决专家 Specialist for full set of extrusion blow moulding machine project planning

- 宁波阿拉公司告诉贵宾什么产品可用注、拉、吹工艺制造、什么样的产品可用中空成型工艺来制造，并陪同贵宾一起预测、分析市场，设计产品，直至客户熟练生产，并赢得最大的利润，你的满意也是阿拉公司永远追求的目标。
- 无论是多达七层的汽车燃油箱部件，还是体积达上千升的化工包装品，重量达30KG的物流中空托盘，长达3米的公路路障、PC水瓶、多层复合大桶、高阻隔瓶、化妆品瓶、高阻隔防辐射塑料啤酒瓶、多层液位线油桶、食品饮料包装品、消费包装品、医药用容器、输液瓶、折叠箱、管道、运动器械或是玩具等；宁波阿拉公司都可以提供生产技术、工艺先进的全套解决方案。
- ARRA tells customers what kind of products shall be made by stretch blow, what by extrusion blow; accompanies customers to analyse and predict the market; help customers to choose the best design... till customers are practiced with ARRA's products and gain best profits. Your satisfactory is our eternal goal.
- No matter it concerns 7-layer fuel oil tank parts, over thousands liter chemical package, more than 30KG plates for logistic, longer than 3M's roadblocks, PC water bottles, multi-layer junk buckets, high barrier layer bottles, cosmetic bottles, high barrier layer radio resistant beer bottles, multi-layer with vision stripe buckets, packages for food and beverage, medical containers, transfusion bottles, folded cases, pipes, sports tools and toys... ARRA provides production technique consulting and solutions.





宁波阿拉塑机
ARA PLASTICS MACHINE

CO International, Professional Manufacturer of
BLOW MOULDING MACHINE
国际的，专业的吹塑机械制造商



我们致力于吹塑机械业.....

- 宁波阿拉公司是一家专业提供大型多层吹塑机及高速吹瓶机的国际化、定制化服务和端到端解决方案的同行领先企业。

我们

- 在60多个国家，有1300个以上的客户，有着20年的生产历史；
在中国，拥有品种最多：能生产150余种规格机型，能提供2-7层1ML-1000L的全自动中空吹塑机（七层复合机型为中国第一台），能提供15000瓶/小时及5ML-30L的二步法吹瓶机。

- 在中国沿海开放城市、全国文明城市、先进的制造业基地---宁波建有公司总部，厂房面积21000平方米。

- 在美国迈阿密、西班牙、伊朗德黑兰、越南的河内、胡志明市、印尼的雅加达、马来西亚的吉隆坡、菲律宾的马拉拉、哈萨克斯坦的阿拉木图、俄罗斯的莫斯科及孟加拉国、新加坡、印度、澳大利亚、埃及等十多个国家，设立了销售服务公司。

We specialize in Blow Moulding Machine

- Ningbo ARA Plastics Machine & Mould Industry Co., Ltd, a professional supplier of heavy multi-layer extrusion blowing moulding machines, as well as high speed stretch blow moulding machines, is prevention in providing international, customer specialized and turn key project planning, having a high reputation among blow moulding area.

We

- with over 20 years experience in production area, already have more than 1300 customers in more than 60 countries.

- Supplying more than 150 models machines. Self-inventing 2-7layer, 1ML-1000L fully automatic extrusion blow moulding machines. Among which, 7-layer machine is the very first multi-layer machine in China. Supplying 2-step stretch blow moulding machines. Max. output reaches 15000 pieces/hour for 5ML-30L bottles.

- Locating it's factory in Ningbo, one of the most famous manufacturer center along China's coast, its factory area covers over 21000 square meters.

- ARA's service agents extends to Miami USA, Spain, Tehran Iran, Hanoi, Ho Chi Minh Viet Nam, Jakarta Indonesia, Kuala Lumpur Malaysia, Manila Philippines, Alma-Ata Kazakhstan, Mosco Russia, as well as Bangladesh, Singapore, Australia, Egypt and India.

交流、合作、双赢

Communication、Cooperation、Coexistence

宁波阿拉以客户是否满意为工作标准，以全心全意为客户服务为工作职责，以高效快捷周到的服务为工作目标。

- 技术培训：售后服务部负责客户的全面技术培训，包括：机器的操作使用，制品检测方法指导及日常维护保养等。
- 设备维护：售后服务部负责公司所售机器的终身维护服务。通过电话咨询、技术回访、远程监控等方式，我们保持客户与公司的沟通，并对客户的问题作出迅速的回应。
- 技术支持：为客户提供高质量的技术支持服务，主要包括机器现场使用指导、扩展新功能、控制器软件升级、零配件销售等。

AR A sales service is one of the most important function. We strive for the customer satisfaction, work whole-heartedly and provide efficient service to our customers.

- Technical training for customers.
- Machine maintenance and spare part service.
- Technical support for new function or controller software upgrade.





Automatic Extrusion Blow Moulding Machine Serial

全自动中空吹塑机系列

- ★2-1000L(精料缸式)全自动吹塑机
- 2-1000L accumulator type extrusion blow moulding machine
- ★PC五加仑全自动吹塑机
- PC 5 gallon automatic extrusion blow moulding machine
- ★1-7层复合高阻隔全自动吹塑机
- 1-7 multi-layer high barrier automatic extrusion blow moulding machine
- ★0.1-30L液位线全自动吹塑机
- 0.1-30L visual stripe automatic extrusion blow moulding machine
- ★通用型全自动吹塑机
- Universal automatic extrusion blow moulding machine



PET Ease Open Can Production Line

易拉罐(铝质、PET)含气饮料生产线

该生产线适用于铝质二片易拉罐含气饮料的灌装、封盖。如可乐、汽水、冰茶等含气饮料的灌装封盖。是中小型饮料理想的灌装封口设备。

Suitable for aluminium cap and PET body can filling, capping and sealing, with carbonated drinks such as cola or cold tea.



Two-step Stretch Blow Moulding Machine Serial

二步法吹瓶机系列

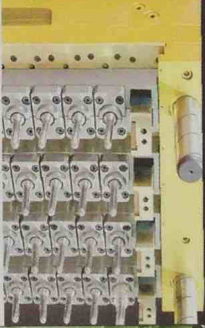
- ★PET全自动热灌装吹瓶机
- Automatic PET hot fill bottle stretch blow moulding machine
- ★5ML-20L全自动吹瓶机
- Automatic 5ML-20L stretch blow moulding machine
- ★BOPP直线式高速全自动吹瓶机
- Automatic BOPP high speed liner stretch blow moulding machine
- ★PET直线式高速全自动吹瓶机
- Automatic PET high speed liner stretch blow moulding machine
- ★10ML-20L人工插坯全自动吹瓶机
- 10ML-20L automatic stretch blowing machine with preform manual loading
- ★半自动吹瓶机
- Semi-automatic stretch blow moulding machine



All Kinds of Assistant Machine

配套辅机

为客户提供一站式服务
 我们可提供机械的配套辅机。
 One stop service for customers
 Auxiliaries also available.



All Kinds of Mould

配套模具制造

- 为了更好服务于客户
 我们同时提供
 优质模具配套服务。
- ★PET吹瓶模具
 - ★PET Blow Mould
 - ★中空吹塑模具
 - ★Extrusion Blow Mould.
 - ★瓶胚模具
 - ★PET Preform Mould
 - ★瓶盖模具
 - ★Bottle CAP Mould



Technical Data

机械技术参数

全自动中空吹塑机系列
 Automatic Extrusion Blow Moulding Machine Serial

二步法吹瓶机系列
 Two-step Stretch Blow Moulding Machine Serial

07-14

15

16-22

23-24

25-28

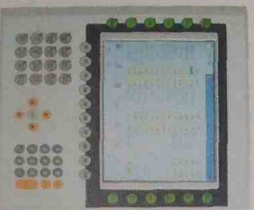
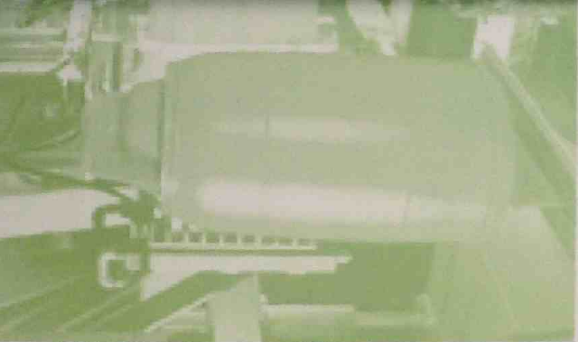
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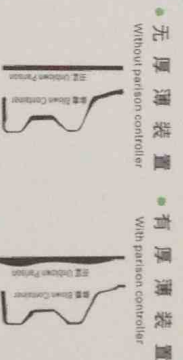
ARA-J260L-II 储料缸式双层复合全自动吹塑机

Fully Automatic Double-layer with Accumulator Extrusion Blow Moulding Machine

- 最新型螺杆及储料缸式模头设计 可快速换色、着色更均匀、减轻制品重量、增强制品强度
- Newly developed screw and accumulator die head, makes colour change faster, color mix more even. Decrease products weight and increase intensity.



- 采用奥地利贝加莱 (B&R) 公司的PCC控制系统，机器的所有功能都由控制系统进行控制。机器参数可以轻而易举地在10.4"的彩色显示屏上设定和监测。机器的温控也是由控制系统来执行的，而型坯壁厚则是由控制系统内置的100-800点型控壁厚控制系统进行控制。
- Integrated PCC control system from B&R (Austria). All functions are controlled by the system. Values are easy to be set and monitored on a 10.4" colour display. As well as the temperature is controlled by the system, the movement of the die is controlled by an integrated 100-800 points WDS system.

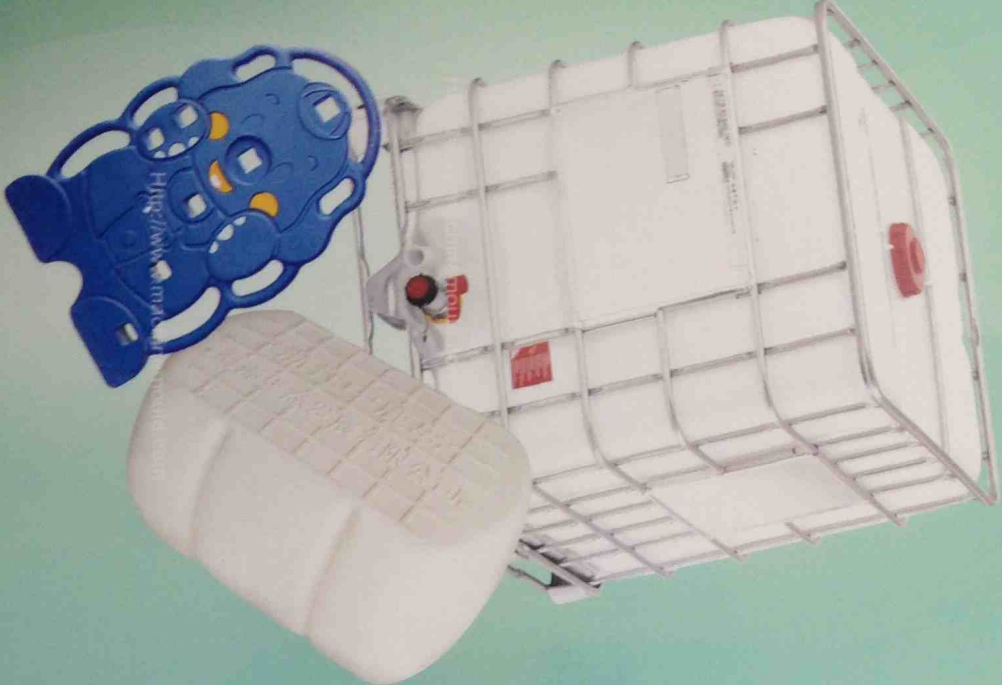


双螺杆双色设计

可另订机械手设备或30-800点触控控制器

Optional Equipment:

- Can be equipped with take-out robot;
- MOOCG/R&R 30/800 point parison controller available.

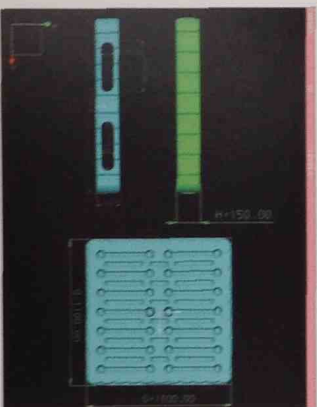


超大型全自动中空吹塑机 Heavy Automatic Extrusion Blow Moulding Machines

ARA-J260L ARA-J500L ARA-J1000L

-该设备用于生产化学桶、玩具、汽车用产品，最大容量在1000公升。LL ring桶子、野外休闲桌子、工具箱等超高分子吹塑产品。

-This machine is suitable for producing: chemical drums, toys, automobile parts and the maximum capacity is 1000 liters. LL ring barrel, Picnic tables, tool boxes, etc., PE blow moulding products.

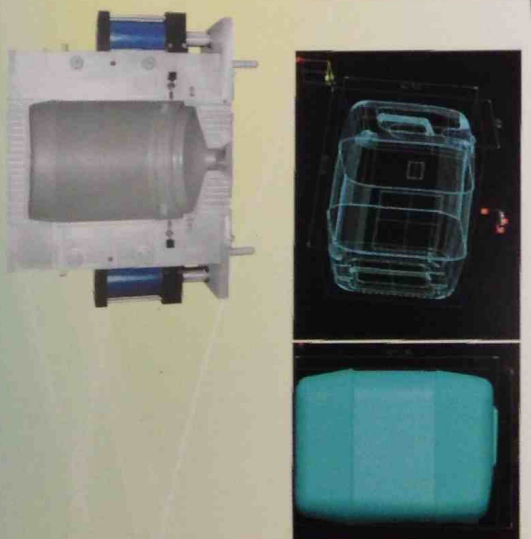
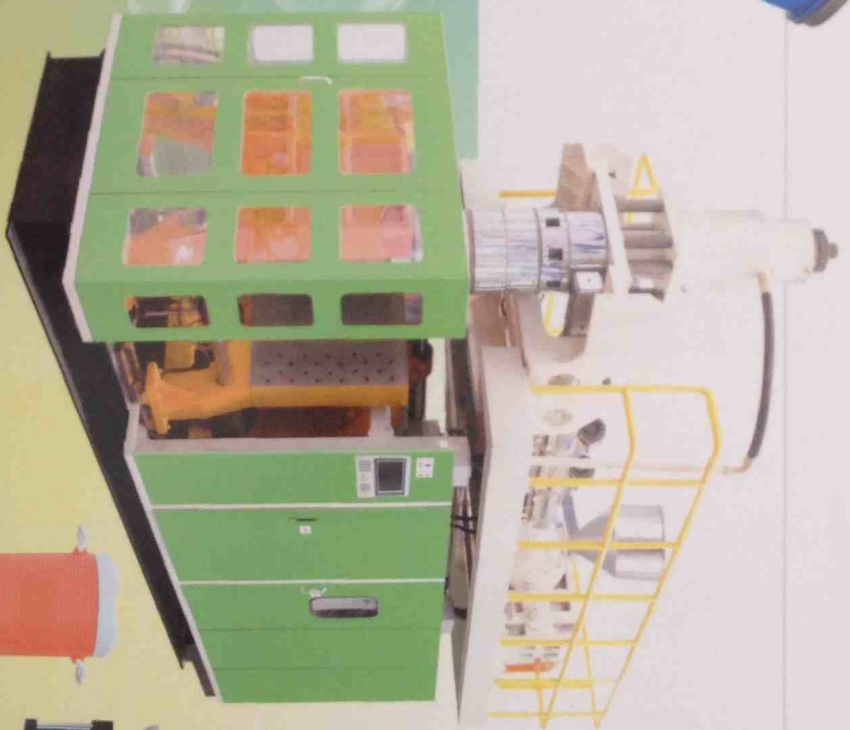


- ARA公司在制造大型中空成型设备方面已有十几年经验。对于每种需求，用于生产简单和高要求的容积至1,000升的容器，以及工业制品如塑料油箱，ARA公司将提供不同机型的大型中空成型设备。
- With its many years of experience in building industrial blow molding machines, ARA offers several machine series for the production of simple and complex containers with up to 1,000 liters capacity as well as for the production of technical parts such as plastic fuel tanks.

- Imported European PLC control system;
 Pressure + flow rate double proportional
 hydraulic system; more precision control,
 more stable pressure and energy saving.

中大型全自动中空吹塑机
 Medium-heavy Automatic Extrusion Blow Moulding Machines
ARA-J30L ARA-J60L ARA-J120L ARA-J160L ARA-J30L PC

- 该机采用欧洲进口全套控制系统、液压系
 统为压力和流量双比例系统，控制更准确，
 压力更平稳，并且可以降低能耗。



Extrusion Blow Moulding Machine

PC/PEE Open Can Production Line

Special Blow Moulding Machine

All Kinds of Assistant Machine

All Kinds of Mold

Technical Data



汽车行业的吹塑件解决方案
Partner of Automobile Industry

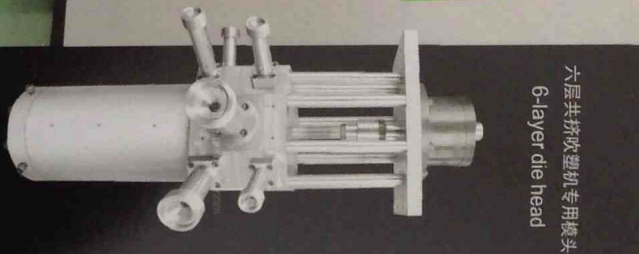


— 形状复杂的六-七层汽车油箱吹塑机ARA的最新技术，每层厚度均匀，质量好且换色快。根据制品的需求每层的厚度可以调整，来满足内装物的要求。可生产各种高阻隔要求的中空制品及形状复杂的六-七层汽车燃油箱。全新设计的挤出系统，原料的适应性强，能耗低，挤出力大。

— Newly developed 6-7 layer car fuel tank extrusion blow moulding machine, even thickness, high quality and fast colour changing. Adjust thickness for each layer according to its internals. All kinds of high barrier container with different shapes such as 6-7 layer car fuel tank. Newly invented extrusion system, strong serviceability, low energy cost, large extrusion amount.

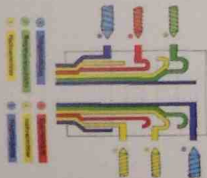
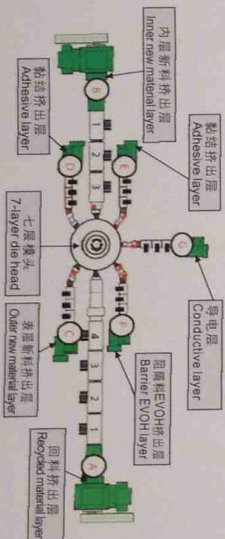
复合式六-七层共挤吹塑机
Six-Seven layer blow moulding machine for oil tank technical parameter

ARA-J120L-VI ARA-J260L-VI ARA-J260L-VII



六层共挤吹塑机专用模头
6-layer die head

6-7层结构示意图 6-7 layer machine figure:



Auto-deflashing system
自动把手溢料去除装置



High speed high barrier 3-5 multi-layer
light extrusion blow moulding machine
3-5层高阻隔复合小型高速中空机

ARA-J1L-III/IV/V
ARA-J2L-III/IV/V

ARA-2J1L-III/IV/V
ARA-2J2L-III/IV/V

- 广泛用于制造医药、化妆品及食品行业的包装用品瓶、通用加工PP、PE、PA、EVOH、PS等大部分热塑性塑料。
- 阻隔层厚度可以控制在0.02-0.04mm之间；
- 品质：所产瓶子瓶颈、瓶口和螺纹精度高，密封性好；
- 效率：一模多腔，全自动双工位，空循环时间2.6秒；
- 精度：世界品牌元器件保证（液压、气动、电子）
- 成本：原材料利用率高，成品率高，投资回报率高；
- 环保：无污染，满足药用品生产的环保要求。

- Widely used in pharmaceutical, cosmetic and food industry packings, suitable to make PE, PP and PS material bottles.
- Barrier layer thickness can be controlled between 0.02-0.04mm.
- Quality: precision neck and screw ensure perfect leakproofness.
- Efficiency: more cavities, fully automatic, double station, dry cycle 2.6 seconds.
- Precision: international famous brand parts for hydraulic, pneumatic and electrical system.
- Cost saving: high efficient material usage, high yield.
- Environmental friendly: zero pollution, reaches requirement for pharmacy industry.





小型中空吹塑机 Light Extrusion Blow Moulding Machine

- 这类机器运用于生产高标准的包装制品及工业制品。如瓶子和油桶，也可带手柄和偏心瓶颈，多层结构或带可视线，以及工业制品。ARA公司为各种需要提供相应的小型中空成型设备。
- this serial blow moulding machine can produce high standard packaging container and industry part. Such as the bottle and barrel with handle and without handle, multi layer or with Visual stripe container. ARA supplies the suitable machine according to the customers' requirement.

ARA-2J5L

直线导轨型双移模高速油桶专用吹塑机
Liner guides, double-station,
high speed oil tank extrusion blow moulding machine

机器可选配：

- | | |
|----------|-------------------------|
| - 厚壁控制器 | - Parison controller |
| - 可视液位线 | - Visual stripe |
| - 多模头选择 | - Interchangeable heads |
| - 自动去飞边 | - Auto-deflashing |
| - 广口切割 | - Wide mouth deflashing |
| - 测漏仪器 | - Leak tester |
| - 模内贴标 | - In-mould-labeling |
| - 多层共挤模头 | - Multi-layer die head |



www.aramould.com



Extrusion Blow Moulding Machine

PET Ester Open Can Production Line

Stretch Blow Moulding Machine

All Kinds of Assistant Machine

All Kinds of Mould

Technical Data

ARA-J2L ARA-J8L
Extrusion Blow Moulding Machine

Single Station 单工位



ARA-2J2L ARA-2J8L
Extrusion Blow Moulding Machine

Double Station 双工位



加濑日本MCOG製瓶控制機
With Japan MCOG parison controller

ARA-J12L
Extrusion Blow Moulding Machine

Single Station 单工位



ARA-2J12L
Extrusion Blow Moulding Machine

Double Station 双工位



加濑奥地利B&H製彈控制器
With Austrian B&H parison controller

易拉罐（铝质、PET）含气饮料生产线
 PET Ease Open Can Production Line

- 该生产线适用于铝质、PET易拉罐含气饮料的灌装、封盖。如可乐、汽水、冰茶等。
- Suitable for aluminium cap and PET body can filling, capping and sealing, with carbonated drinks such as cola or cold tea.

型号 Model	ARA-2000GFQ	ARA-2001GFQ
生产能力 Productivity(unload circulation)	1500-2500 pcs/Hr	1000-2000pcs/Hr
灌装、封盖头数 Filling Heads	12	1
功率 Power	1.5kw	0.75kw
外形尺寸Size of main frame(LxWxH)mm	1200 × 1150 × 1780	1200 × 720 × 1900
机器重量 Weight	1200KGS	650KGS

ARA-2000GFQ
 易拉罐等压自动灌装封口机
 Filling-capping machine for ease open can





We provide one stop service for food and beverage packing. 我们可提供饮料包装瓶的一站式服务

- 凭借丰富的经验, 对用户需求的了解和技术与加工设备的不断更新, 使得我们生产的每一型号吹塑设备都充分满足了用户的需求.
- Meet all kinds of customers' requirement by abundant experience and comprehensive knowledge to customers' needs.

Extrusion Blow Moulding Machine

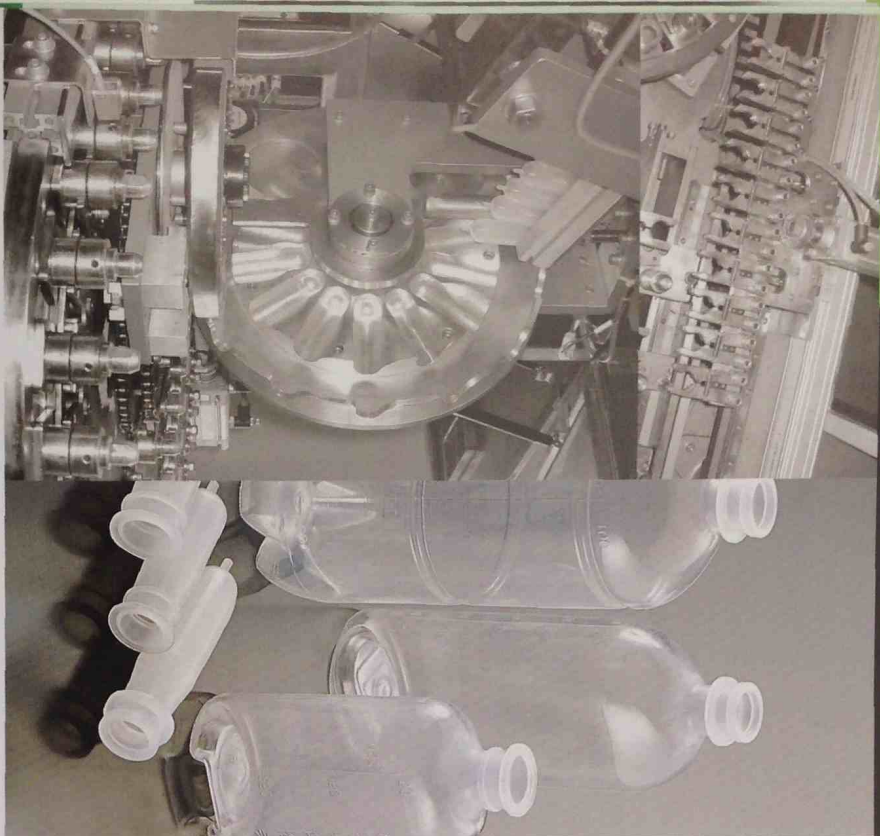
PET Empty Open Can Production Line

Stretch Blow Moulding Machine

All kinds of Assistant Machine

All kinds of Mould

Technical Data



ARA-1006P 啤酒瓶系列 Beer Bottle Serial
ARA-1203P 高温灭菌系列 High Temperature Sterilization Serial

- 生产可耐115-121摄氏度高温灭菌的高透明PP瓶，如输液瓶、牛奶瓶、冲洗液瓶等。
- 精密加热控制系统满足PP原料较窄的加工范围。
- 适合PP制瓶特殊的拉伸杆设计。
- To produce high clarity PP bottles such as transfusion bottle, milk bottle and other pharmaceutical applications, withstanding sterilization temperature up to 115-121 °C.
- Precise heating control to overcome the narrow processing range of PP raw material.
- Special stretch rod design for PP bottle stretching and blowing.

▲ BOPP/PET新一代直线式高速吹瓶机
 BOPP PET new concept high speed liner stretch blow moulding machine

- 连贯而高速的伺服驱动机械手将线性排列的瓶胚从加热区传送到成型区。
- 简洁而可靠的旋转植胚装置可装载多规格瓶胚，无须更换配件。
- 采用伺服驱动的拉伸，充分提高瓶体壁厚均匀度，可实现瓶体轻量化目标。
- 瓶胚加热时的螺旋口受水冷挡板及冷风装置的双重保护，防止其变形。
- 采用高性能调压模块并配以调速通风装置，可精确控制瓶胚在加热过程的受热程度。
- 通过选择高压气阀吹气响应时间来提高吹瓶速度，改善气量流并缩小气流死角空间。
- 配置瓶胚输送循环机构，将未整列的瓶胚送回至胚仓，避免堵胚、减少停机。
- Domestically originated rotary preform loading system.
- Suitable for different size preform loading.
- Continuous high speed servo drove robot hand to input preforms from heating area to blowing area.
- Simple and reliable rotary preform loading system can use different size preforms without changing spare parts.
- Servo drove stretching, ensures preform wall being heated evenly, makes bottle weight lighter feasible.
- Screw neck is protected from heat by both cooling water and cooling fan, keeps it from deforming.
- Precision pressure adjusting module together with adjustable ventilator, monitor closely the heating process.
- By choosing high pressure blowing response time to increase blowing speed, improve air flow and decrease air dead space.
- Preform circulating loading system, conveying unlined preforms back to preform bank, avoid blockage or maching stopping.

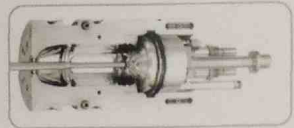


国内首创的旋转上胚机构，稳定可靠，能适应不同尺寸规格的上胚要求。
 Domestically originated rotary preform loading system.
 Suitable for different size preform loading.

新一代全自动热灌装吹瓶机 New Concept Liner Blow Moulding Machine for Hot Fill Bottles

ARA-220R ARA-406R ARA-420R ARA-806R

- ARA公司经过多年研究实践，在改进原有吹瓶机的基础上，推出了ARA全新系列热灌装吹瓶机。该机完全适用于果汁、茶、咖啡、运动饮料等需热灌装或巴氏灭菌的产品。
- 直线式机型，操作维修简单，性能更稳定可靠。
 - 可以连续吹瓶灌装，瓶子能耐的灌装温度可达95℃以上；
 - 连续吹瓶、存储后再灌装；瓶子存储的时间可达好几十天，其能耐的灌装温度基本不受影响
 - 百分之百的热处理方式 and 充足的可供热能使材料分布合理，能产生优质而轻量化的瓶子。
 - 脱模后将冷却空气注入瓶内以确保分子的热稳定，因而保证了瓶子的正确脱模，形成高质量的外观。
 - 我们可提供不同的解决方案，该系列共有5个型号，生产速度从每小时1800瓶至每小时8500瓶。



After years practical experience, this new concept hot fill bottle blow moulding machine is suitable for hot fill drinks such as juice, tea, coffee and sports drinks, as well as pasteurization products.

- Liner machine, easy handling, quality stable and reliable;
- Uninterrupted blowing and filling, bottle heat resisting over 95℃;
- Uninterrupted blowing and storing. Bottles can be kept for tens of days and its heat resistance quality keeps unaffected;
- One hundred heat treatment and sufficient heat supply keeps material even, provides higher quality but lighter bottles;
- Fill cold air before bottle releases to keep molecular energy level, ensure bottle release properly and to form perfect appearance for bottles;
- We provide 5 different model machines for such kind, speed range from 1800 to 8500 pieces per hour.

Extrusion Blow Moulding Machine

PET Easy Open Can Production Line

Stretch Blow Moulding Machine

All kinds of Assistant Machine

All kinds of Inward

Technical Data



全自动吹瓶机 Automatic Stretch Blow Moulding Machine

ARA-215D ARA-415D

Fully automatic blow moulding machine is a two step blowing equipment. It is most suitable to produce PET or PP packages for all kinds of drinks as well as juice, tea and medical slurry.

- PLC control, quality stable.
- Energy saving, infrared light heating with high penetrability, preform self turning makes heating more even.
- All heating lamps, reflection board's position can be adjusted. In order to suit different design preforms.
- Self high temperature reduce system to keeps heating tunnel temperature constant.
- All CE model has automatic safety control. Program turns to safety state when machine is faulty.
- All movement drives by cylinder instead of oil pump. Low noise and environmental friendly.
- Air supply is separated into action and blowing two parts, to fulfill different pressure requirement for the two process.
- High pressure or double-crank mould clamping ensure strong clamping force.
- The whole working process is done automatically. Less invest but higher efficiency. Easy handling and maintenance.
- Scrapage lower than 0.1%.

全自动吹瓶机是一种两步法自动吹瓶设备。适用于制造以PET、PP等为原料的饮料瓶、果汁瓶、茶饮料瓶、医药瓶等。

- 采用先进的微电脑控制系统，性能稳定；
- 采用节能型设计，红外线加热，穿透力强，瓶坯公转和自转受热，加热更加均匀。
- 加热区内的加热管、反射板宽度及高度均可调节，以适合不同结构的瓶坯的加热，并有自动排温装置，以保证烘道的恒温；
- Ce机型每个动作都有安全装置，当某个工序出现故障时，程序将自动切换到安全状态；
- 各动作由气缸驱动，不采用油泵，具有无污染，噪音低等优点；
- 气路设计将动作和吹气分为二部份，以满足吹瓶，动作不同气压的需求；
- 采用高压或双曲臂连杆锁模，锁模力强；
- 生产工艺流程全部自动化完成，具有投资省、效率高、操作方便、维修简单、安全等优点。
- 成瓶报废率低于0.1%。

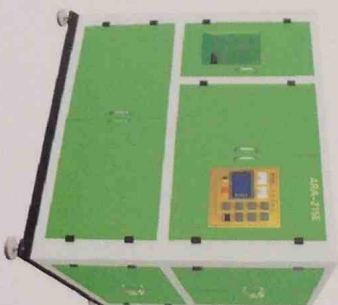


ARA-10GE ARA-20GE ARA-30GE

ARA-215E

ARA-150E ARA-160EG

人工插坯自动吹瓶机
Automatic stretch blow moulding machine with preform auto-loading



ARA-150D ARA-260D

ARA-5JL

五加仑自动吹瓶机
Automatic 5 gallon stretch blow moulding machine



省人工
只需一人操作,可实现2500瓶/小时,比半自动机器每天可省6-8人。

省电
加热总功率只有14KW,实际耗电量约8KW/小时。

成品率高
不需熟练操作工人即可,自动吹瓶,出瓶,电随控制,大大提高了成品率。

LABOR SAVING
Requires only 1 labor operating, output 2500pcs/hr. Same capacity needs 6-8 labor if with semi-automatic machines.

POWER SAVING
Heating power only 14KW, real power consumption 8KW/HR.

HIGH YIELD
No skilled labors needed, automatic heating blowing, PLC controlling ensures high yield of bottles.



半自动吹瓶机

- 节能技术型设计，明显节约成本。
- 采用新型双曲杆合模结构，独特的中模板移动方式，合模过程中100%不掉瓶坯。
- 选配进口高压吹气系统，成品透明度更高，生产速度更快。
- 占地面积小，构造稳固，节约空间，一人操作，简单、安全。
- Energy saving design, greatly reduces production cost.
- Advanced double-crank clamping and mid-plate moving design ensure preforms do not drop during mould closing.
- Imported high pressure blowing system ensures higher clarity and faster production.
- Space saving, structure stable, easy and safe operating.



ARA-3L/A



**ARA-3L/B
ARA-3L/C
ARA-3L/D**



**ARA-3L/2B
ARA-3L/2C
ARA-3L/2D**



**ARA-600/4B
ARA-600/4C
ARA-600/4D**



可博等环境达厘

**ARA-6L/B
ARA-6L/C
ARA-6L/D**



ARA-1LR/2C ARA-1LR/2D



- 专门生产耐热的半自动吹灌机
- Special blowing machine for hot fill bottles

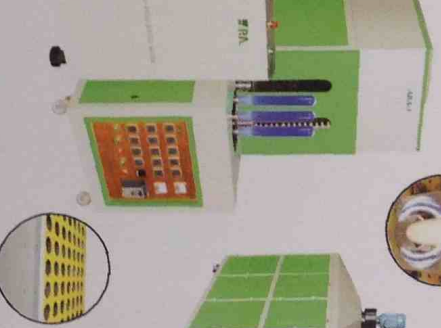


ARA-20L



五加仑专用机
Semi-automatic machine for 5 gallon

ARA-40L-PMMA.PC



灯灌专用机
Semi-automatic machine for PMMA lamps



ARA-1LPP/C/D



- BOPP瓶专用吹瓶机
- 应用于本糖液瓶、茶类、果汁饮料乳制品、药品等。
- Semi-automatic machine for infusion, tea, juice, dairy and medical bottles



ARA-2000



结晶机
Crystallizing Machine





配套辅机系列 All Kinds of Assistant Machine



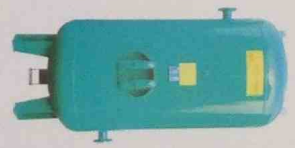
全自动上料机
Automatic Feeder



干燥机
Hopper Dryer



空压机
Air Compressor



储气罐
Air Tank



过滤器
Air Filter



低温机/除露机
Low temperature device / Defroster



冷干机
Air Dryer



冷水机
Water Chiller



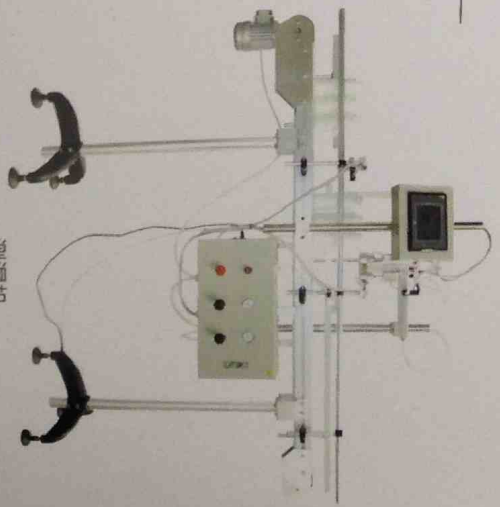
粉碎机
Crusher



冷水塔
Cooling Tower



搅拌机
Mixer



测漏机
Bottle leakage detector

品牌加盟，鼎力支持
 FORGING RELATIONSHIPS THROUGH QUALITY
 用我们共同的智慧实现你的愿望，用专业的精神铸就专业的品牌



可根据客户要求选用各国际名牌元件和电脑控制系统。
 The different famous brand components and controller are available for the customers requirements.

◎ 优良配件 Excellent Parts Making.

- 通过对高品质的要求，建立密切的合作关系，阿拉强调品质和信用。
 - ARA brand emphasizes both quality and credit standing.



Extrusion Blow Moulding Machine

PET Case Open Can Production Line

Stretch Blow Moulding Machine

All Kinds of Assistant Machine

All Kinds of Mould

Technical Data





**Creating classic exquisite product,
do our best to make you satisfied!
打造行业一流精品， 尽一切努力让您满意**

-在模具设计方面，我们使用科学高效和最普及的 AutoCAD, Solidworks, Pro-E, Acrobat 及 Master-CAM 等参数化三维实体设计软件进行组装、应力、动态、动力和热能等机械性的分析。实行设计和生产咨询同步一体化，设计的信息不需转换便可直接交给各生产部门使用，以保证完整准确快捷的传递，从而有效地将客户的质量要求带到车间生产现场。

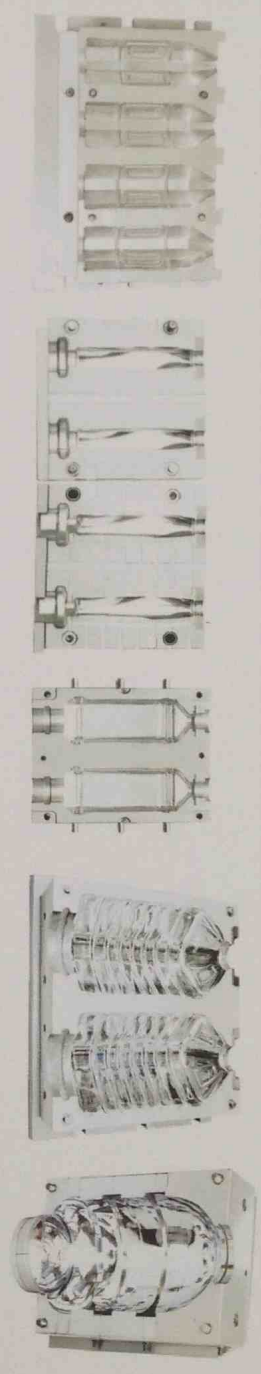
-我们模具制造部门配备先进的电脑机床，一流设计人员以卓越的技术和精湛的工艺为客户度身订制的吹塑模具，长期聘用欧美吹塑专家为技术顾问，紧贴世界先进技术潮流，满足市场的生产需要。

-ARA Company Limited offers high quality injection and blow moulds. Our experienced designers use the latest design tools including AutoCAD, Solid works, Master CAM and Pro Engineer to produce innovative bottle packaging and complex mold designs. We are capable of analysing heat loss and transfer to determine the most efficient cooling system in every mold. Quality Control use the latest Mitutoyo measuring devices to ensure our mould parts meet the design criteria. Our internal server network allows direct and parallel communication between our designing, sequencing, and machining departments. This is all parts of the ARAs continued commitment to reduce lead time and production costs.

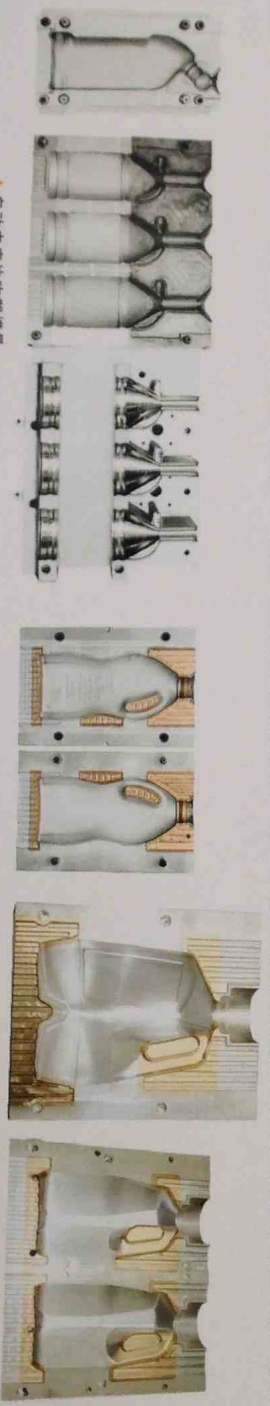
- Every mould manufactured by ARA is tested in-house by our technicians using a full range of machine sizes to ensure our moulds meet customers standards. Customers are always welcomed to visit and approve their moulds in the testing departments prior to shipment. We make it our priority to meet the production requirements of each and every ARA customer.



PET BLOW MOULDS PET吹瓶模具



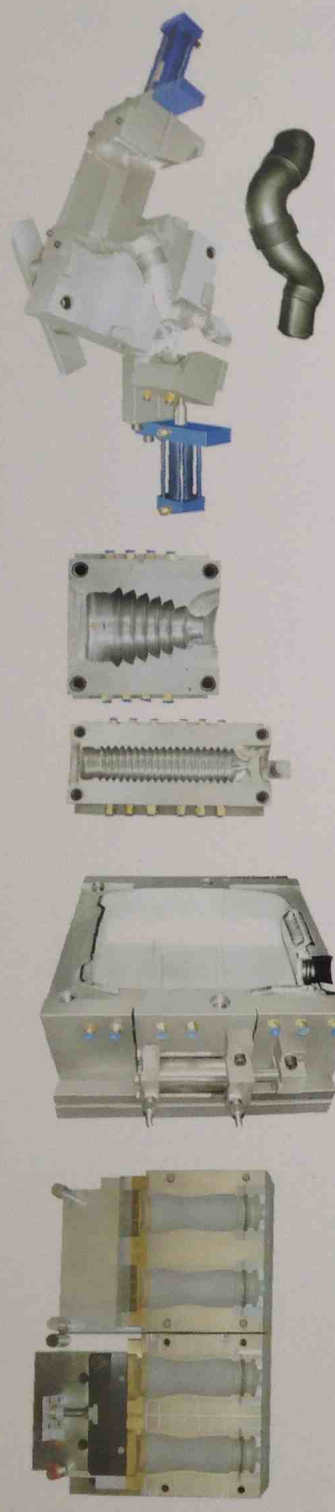
EXTRUSION BLOW MOULDS 中空吹塑模具



▲自动去废边吹塑模具
AUTO DEFLASHING BLOW MOULD

可根据客户订单规格制造成形设备

ARA并非单纯地制造设备。从千差万别的产品形状、充填物、用不到设备时间产量与成本等关系，予以全面分析之后，制造性能、设计上与其相符合的模具。
- ARA does not only manufacture machines, we also make kinds of moulds according to analysis of products shape, use and relationship between production capacity and cost.



Extrusion Blow Moulding Machine

PET Easy Open Can Production Line

Stretch Blow Moulding Machine

All Kinds of Assistant Machine

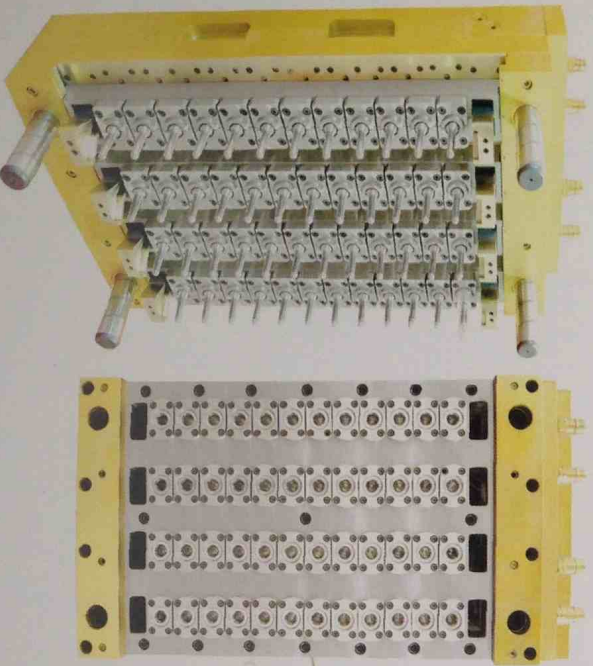
All Kinds of Mould

Technical Data



瓶胚模具系列 PET Preform Moulds

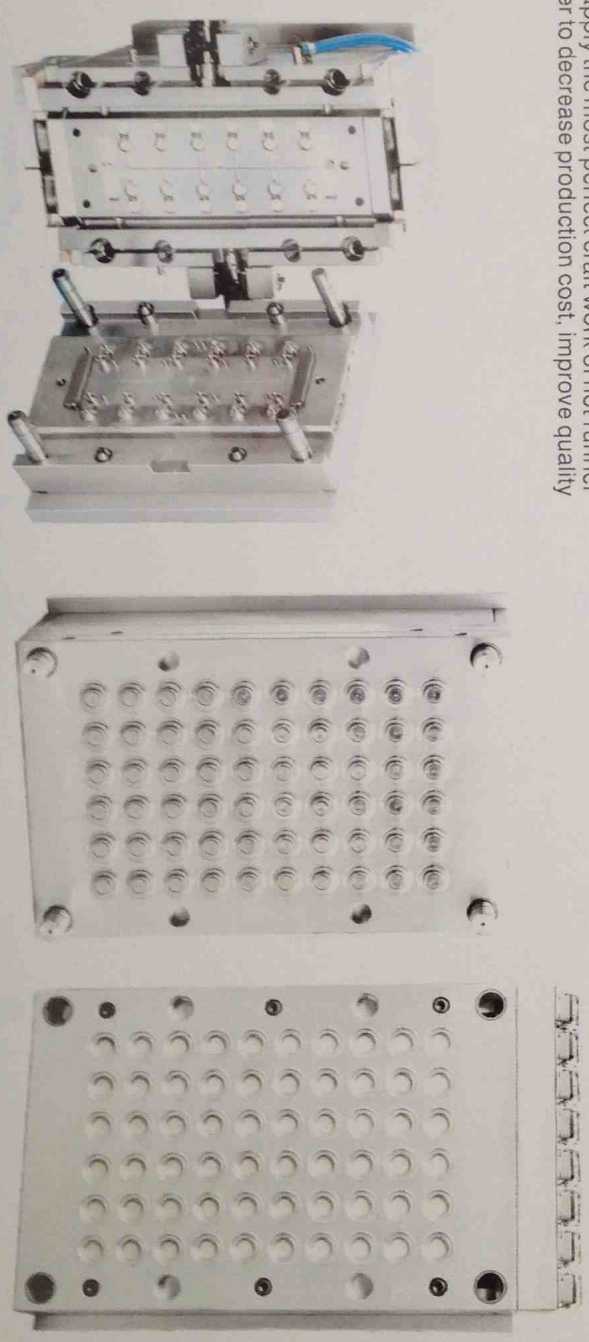
- 瓶坯腔数从1出1到1出72.
- 瓶坯采用电脑模拟拉伸测试设计，提高吹瓶的成品率。
- 采用世界先进的二级双锥度定位技术，确保模具同心度。
- 模具注腔、注芯选用瑞典原厂预热处理优质专用模具钢制造。
- 螺纹口按国际标准制造，材料选用进口氮化钢，硬度高，使用寿命长。
- 热流道设计先进，加热温度均匀，提高了制品质量。
- 免剪浇口，降低了工人劳动强度。
- 模具寿命保证在200万模次以上。
- Mould cavity from 1 up to 72.
- Electric control system with simulating stretch testing, improve yield rate.
- Adopt world advanced dipole taper localization technique, each cavity self-clamp independently, ensure mould concentricity.
- The material of mould die core and die cavity are made of Swedish special mould steel.
- International standard screw neck, imported nitrided steel with high hardness is of long usage.
- Advanced hot runner design and even heating temperature make sure the high quality of plastic products.
- Valve gated type without tail reduces labor force.
- Minimum 2 million shots guaranteed





瓶盖模具系列 ▼ Bottel Cap Moulds

- 公司经过多年的开发与创新，将目前注塑界最完美热流道工艺应用与瓶盖模具的制造，有效的降低了瓶盖的生产成本，提高了产品的质量，达到全自动生产的目的。
- After years' development and innovation, we apply the most perfect craft work of hot runner in injection field to cap mould production in order to decrease production cost, improve quality and achieve automatic production



Progressive Blow Moulding Machine

PP / PE Blow Down Can Production Line

Stretch Blow Moulding Machine

All kinds of Assistant Machine

All kinds of Mould

Technical Data

全自动中空吹塑机主要技术参数 Automatic Extrusion Blow Moulding Machines

项目 Item	型号 Model	ARA	J2L	2J2L	J8L	2J8L	J12L	2J12L	J30L PC	J30L	2J30L	J60L
最大制品容积 生产能力(空循环)	Max. container capacity Output (dry Cycle)	L/Cavity	2.5/1 1.25/2	0.3/3 0.1/4	8/1 3/2 1.25/3 0.7/4	750x2	12/1 6/2 1.5/4	820x2	30	30	30	60
螺杆直径	Screw diameter	PCS/Hr	950	950x2	750	750x2	820	820x2	600	700	450x2	500
螺杆长径比	Screw L/D ratio	MM	Φ50	Φ60	Φ60	Φ70-80	Φ70	Φ90	70-82	80	100	90
塑化产量	Extruding capacity	L/D	22-25	22-25	22-25	22-25	22-25	22-25	22-38	22-30	22-30	22-30
模头储料容积	Accumulator capacity	Kg/Hr	40-50	65-85	65-85	100-140	100-125	140-170	165	100-130	240-275	150-220
合模力	Clamping force	L	/	/	/	/	/	/	2	4	4	6.6
开合模行程	Mould opening stroke	KN	38	38	60-70	60-70	110	110	215	250	250	280-440
模板尺寸	Platen size(WxH)	MM	138-368	138-368	148-508	148-508	300-700	300-700	350-780	350-780	350-780	450-1000
最大模具尺寸	Max. mould size(WxH)	MM	290x360	290x360	400x470	400x470	450x520	450x520	650x740	650x740	600x700	830x885
模头加热功率	Die heating power	MM	340x360	340x360	450x450	400x450	550x520	510x520	540x650	540x700	500x600	690x1000
螺杆加热功率	Extruder heating power	KW	2.5	2.5	3	3	3	3	4.1	5.28	5.28	7.52
螺杆电机功率	Screw motor power	KW	3-4	4-5	5-6	6-8	6-7	7-8.5	17	6-8	9	7.5-9
油泵电机功率	Oil pump motor power	KW	11	15	15	22-30	22	37-45	30-37	30-37	74-90	37-45
气体用量	Air consumption	KW	5.5	5.5	7.5-11	11	11	11	45	22	22	30
用水量	Water consumption	m ³ /MIN	0.3	0.5	0.5	0.6	0.6	1	1	0.8	1.2	1
机器外形尺寸	Machine dimension(LxWxH)	L/MIN	35	50	60	80	70	100	150	80	100	85
机器重量	Machine weight	M	2.6x1.87x2.5	3x2.18x2.5	3.1x1.88x2.6	3.6x2.2x3.1	3.65x2.8x2.6	4.1x3.2x2.6	6.3x2.3x4.55	4.3x2.43x3.5	5.9x3.4x3.9	4.85x2.5x3.8
		TON	3.1	4.4	5.8	8.2	7.8	11.2	11.8	11.5	18	12

世界首创25L桶五层液位线机型
Originated 5-layer with vision stripe 25L extrusion blow moulding machine

J120L	J160L	J260L	J1000L	J1L-III/V/V	2HL-III/V/V	J2L-III/V/V	22L-III/V/V	J30L/V	J120L-VI	J260L-VI	J260L-II	J260L-VIII
120	160	260	1000	114.0.514	114.0.514	112.211	112.211	30	120	260	260	260
400	330	300	170	880	880X2	950	950X2	700	400	300	300	300
100	100	120	120X2	50	50-60	50-60	60	70-80	100	110	120	110
25-30	25-30	28-33	28-33	28:1	28:1	28:1	28:1	24-30:1	24-30:1	24-32:1	24-32:1	24-32:1
220-310	250-350	350-450	750	45-60	45-70	45-70	55-70	75-100	180-250	260-330	320-380	260-330
12.8	18	22	75	/	/	/	/	/	/	/	22	/
500-680	740-850	900	1900	50	50	38	38	250	500-680	900	900	900
500-1400	600-1500	800-1800	1000-2700	160-320	160-320	138-368	138-368	350-780	500-1400	800-2000	800-2000	800-2000
900X1100	980X1300	1200X1600	1800X2200	440X310	440X310	290X360	290X360	650X740	900X1100	1200X1600	1200X1600	1200X1600
850X1300	900X1450	1200X1750	1800X2400	460X300	460X300	340X360	340X360	550X700	850X1300	1200X1750	1200X1750	1200X1750
10.8	12	15	30	4.5	4.5	4.5	4.5	6-8	8.5-10.5	13-17	13-17	13-17
8.5-10.5	12-14	16-24	33	3-4	3-4	3-4	3-4	5-6	5-6	14-22	16-24	14-22
4.5-7.5	7.5-9.0	9.0-13.2	132X2	11	11-15	11-15	15-18.5	30-37	4.5-5.5	9.0-11.0	9.0-11.0	9.0-11.0
37	45	55	75	5.5	7.5	5.5	5.5	22	37	37	37	37
1.6	1.6	2	5	0.3	0.5	0.3	0.5	1.0	1.6	2.0	2.0	2.0
150	180	280	350	35	50	35	50	80	150	280	280	280
5.6x2.3x4.2	5.8x2.9x4.4	7.8x4.0x5.4	13x11x8	2.8X2.5X2.5	3.0X2.5X2.5	2.6X1.87X2.5	3.0X2.18X2.5	4.3x2.4X2.5	5.2X2.5X4.2	9X4.5X6.5	6.8x4.1x5.9	9X4.7X6.5
17	19	38	101	4.5/4.8/5.3	6.0/6.3/6.8	3.5/3.8/4.3	4.5/4.8/5.3	12.8	18	65	40	68

▲ 因公司产品在不断改进，如样本参数与实际不符，以实际为准
Because our products are improving everyday, if the parameter is different from the practical situation please refer to the new one

Rotational Blow Moulding Machine

FBT Extrusion Cap Production Line

Stretch Blow Moulding Machine

All Kinds of Assistant Machine

All Kinds of Mould

Technical Data

自动吹瓶机主要技术参数

Parameter of Automatic Stretch Blow Moulding Machine

项目 Item	型号 Model	ARA-106E	ARA-206E	ARA-306E	ARA-215E	ARA-106D	ARA-206D	ARA-306D	ARA-406D	ARA-806D	ARA-1006D	ARA-215D	ARA-415D
理论生产率 Theoretical output	PCS/Hr	1800	2800	4000	1500-2800	1800	2800	4000	5500	10000	13000	2000-2800	4000-5000
最大吹制容量 Max. bottle volume	L	0.6	0.6	0.6	2.0(2-cavity)	0.6	0.6	0.6	0.6	0.6	0.6	2.0(2-cavity)	2.0(4-cavity)
允许模具厚度 Mould thickness	MM	140	140	140	240	140	140	140	140	140	140	240	240
最大移模行程 Max. mould opening stroke	MM	100	100	100	120	100	100	100	100	100	100	120-130	120-130
模具两腔中心距 Distance between two centers	MM	/	80	80	114	/	80	80	95.25	95.25	95.25	114	114
整机功率 Total power	KW	17	25	33	34	19	28	36	40	40	85	22	30
吹瓶压力 Blowing air pressure	Mpa	3	3	3	3	3	3	3	3	3	3	3	3
主机尺寸 Machine dimension (LxWxH)	MM	1600x800x1800	2200x900x1800	2700x900x1800	1840x1400x1800	2800x1450x1800	3200x1450x1800	3200x1450x1800	4500x1450x1800	6700x3300x2000	7300x3300x2000	3900x1840x1800	4000x2300x1800
整机重量 Machine weight	Tong	1.0	1.7	2.0	1.40	1.30	2.0	2.5	3.5	7.0	9.0	2.0	3.5

项目 Item	型号 Model	ARA-220R	ARA-420R	ARA-406R	ARA-806R	ARA-1006R	ARA-1006P	ARA-1203P	ARA-150E	ARA-150D	ARA-160EG	ARA-260D	ARA-5L
理论生产率 Theoretical output	PCS/Hr	1800	3200	3500	7000	8500	13000	15000	700-1000	700-1000	800	1400	150-180
最大吹制容量 Max. bottle volume	L	2	2	0.6	0.6	0.6	0.6	0.25	6(1-cavity)	6(1-cavity)	6(1-cavity)	6(2-cavity)	20(1-cavity)
允许模具厚度 Mould thickness	MM	240	240	180	180	180	140	100	240	240	240	240	300
最大移模行程 Max. mould opening stroke	MM	120	140	100	100	100	100	70	210	210	210	200	320
模具两腔中心距 Distance between two centers	MM	133.35	133.35	95.25	95.25	95.25	95.25	76.2	/	/	/	/	/
整机功率 Total power	KW	67	90	90	120	140	140	140	17	17	17	34	30
吹瓶压力 Blowing air pressure	Mpa	3	3	3	3	3	3	3	3	3	3	3	3
主机尺寸 Machine dimension (LxWxH)	MM	5500x3300x2000	5500x3300x2000	6600x3600x2000	8000x3600x2000	9000x3600x2000	11200x3600x2000	11200x3600x2000	1775x1240x1800	2550x1775x1800	2000x1450x1800	2700x2500x1800	3500x2300x2200
整机重量 Machine weight	Tong	4.5	6.8	5.0	9.0	10.0	12.0	12.0	1.0	1.5	1.1	1.5	3.0

半自动吹瓶机主要技术参数
Parameter of Semi-automatic Stretch Blow Moulding Machine

项目 Item	型号 Model	ARA-600/4	ARA-3L/A	ARA-3L/B/C/D	ARA-3L/2B/2C/2D	ARA-6L/B/C/D	ARA-1LP/C/D	ARA-1LR-C/D	ARA-20L	ARA-40L-5MM/4PC
理论生产率 Theoretical output	PCS/Hr	3000	800	400	950	420	1800	850	800	400
整机功率 Total power	KW	16.8-22	4.5	8.4	8.4-22	16.8-22	1400	35	1400	35
最大吹制容量 Max. bottle volume	L	0.6-2.0(1-cavity)	3.0(2-cavity)	6.0(1-cavity)	1.5(2-cavity)	3.0(1-cavity)	1.5(2-cavity)	3.0(1-cavity)	1.0(2-cavity)	1.0(2-cavity)
允许模具厚度 Mould thickness	MM	160-260	120-220	120-220	120-220	140-170	120-200	120-200	120-200	120-200
最大移模行程 Max. mould opening stroke	MM	245	150	140-170	140-170	1700x600x1700	1240x510x1570	1240x510x1570	2000x650x1450	2100x700x2250
主机尺寸 Machine dimension (LxWxH)	MM	1840x600x2120	1240x510x1570	1060x560x1310	1240x510x1570	1700x600x1700	2000x650x1450	4400x700x1700	1240x510x1570	2000x650x1450
加热器尺寸 Heater dimension(LxWxH)	MM	2000x650x1450	880x520x1350	1060x560x1310	2000x650x1450	1700x600x1700	2000x650x1450	4400x700x1700	1240x510x1570	2000x650x1450
整机重量 Machine weight	Tong	1.05	0.6	0.7	1.35	0.95	1.4	0.85	1.5	2.0

▲ 公司产品在不断改进，如技术参数与实际不符，以实际为准
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