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2025—2026

PET STRETCH BLOW MOLDING MACHINE

PET吹瓶机

TONVA® 同发



浙江同发塑机有限公司

ZHEJIANG TONVA PLASTICS MACHINE CO., LTD

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定位：高端装备制造 精密模具制造

POSITIONING: HIGH-END EQUIPMENT MANUFACTURING
PRECISION MOULD MANUFACTURING

业务：机器 模具 后端工序设备 辅机设备 一站式

BUSINESS: BLOW MOLDING MACHINE | MOULD | BACK-END PROCESS AND
AUXILIARY EQUIPMENT | AUXILIARY EQUIPMENT | ONE-STOP

精神：弘扬工匠精神

SPIRIT: PROMOTE THE CRAFTSMAN SPIRIT

理念：满足客户需求 助力客户成功

PHILOSOPHY: PRIORITIZE CUSTOMER NEEDS FUEL THEIR ACHIEVEMENTS

愿景：致力于创建国际一流塑机模具高端装备制造商

VISION: DEDICATED TO BECOMING A WORLD-CLASS MANUFACTURER
OF HIGH-END PLASTIC MACHINERY AND MOLD EQUIPMENT.

30多年吹塑机经验

30+

60多项国家专利

60+

出口全球120多个国家

120+

公司简介 / COMPANY PROFILE

浙江同发塑机有限公司成立于 1993 年，是一家专业致力于吹塑机、吹瓶机、模具及辅助设备的国家高新技术企业。公司占地面积一厂达20亩二厂达50亩。同发作为国内塑机行业先锋，也是浙江省塑料机械行业协会理事单位，荣获浙江高新技术研发中心，浙江省首台套装备，浙江省专精特新企业、浙江省科技型企业、浙江省玉环三龙企业等多项荣誉。通过了 ISO9001:2016 国际质量管理体系和 CE、SGS 认证。基于良好的信誉和一流的服务，产品不仅覆盖国内各个省份，还远销海外 120 多个国家。

同发一路不断创新，拥有气动型、电动型全自动智能PET吹瓶机，广口型吹瓶机以及半自动吹瓶机。可用于生产矿泉水包装、医疗包装、农药包装、食品包装、日化包装、化妆品包装等塑料制品。

公司遵循“满足客户需求，助力客户成功”的经营理念，为广大海内外用户提供全方位、一站式的吹塑解决方案！

Zhejiang TONVA Plastics Machine Co., Ltd is a Hi-tech enterprise in China, was established in 1993. The building area over 80,000 m². As leader of blow molding machine manufacturer, company has a group who have more than 30 years of experience in the blow molding industry and excellent service team, has passed the ISO9001:2016 and CE, SGS certification. Based on the best reputation and first-class service, the products world wide sales more than 5000 sets and exported to more than 120 countries, won the domestic and foreign customers highly praise and trust.

TONVA always put technology research and development in the first place and currently have 54 patents. We have automatic PET stretch blow molding machine, high speed servo blow molding machine, wide neck PET blow molding machine and semi automatic PET blow molding machine, can be widely used in the production of water bottle, cosmetic bottle, juice bottle, PET jar, bubble tube, PET bulb etc.

TONVA follows the “prioritize customer needs fuel their achievements” business philosophy, We provide comprehensive, one-stop blow molding solutions for users both at home and abroad!

NATIONAL HI-TECH ENTERPRISE

国家高新技术企业

浙江省玉环市三龙企业

浙江省专精特新企业

浙江省科技型企业

浙江省高新技术研发中心

浙江省首台套装备

塑料机械协会理事单位



一流的团队
打造一流的
吹瓶机



团队秉承诚信、规范、高效的工作原则，用技术赢得市场，以创新服务取得信誉，竭诚为广大客户提供优质、高效、快捷的服务。面向未来,坚持自主创新。

Adhering to the working principles of integrity, standardization and efficiency, the team wins the market with technology, gains trust through innovative services, and wholeheartedly provides high-quality, efficient and fast services for customers. Facing the future, we will adhere to independent innovation.

同发一直在创新的路上，以产品的品质，精度，稳定性及竞争性为首要标准。
TONVA always on the way of striving for innovation, holding the flag of high quality, accuracy reliability and competitiveness.



提供整线方案

Turn-key Solutions

全自动中空吹塑机 BLOW MOLDING MACHINE

机型范围: 0.5L至30L全自动中空吹塑机, 10L至500L储料缸吹塑机, 1000L至5000L大型储料缸吹塑机。
适用材料: HDPE/LDPE/HWMHDPE/PP/PS/PC/PA/PVC/ABS/EVOH/PETG/TPR/TPEE等
Machine range: 0.5L to 30L extrusion blow molding machine, 10L to 500L and 1000L to 5000L accumulator blow molding machine
Suitable raw material: HDPE / LDPE / HWMHDPE / PP / PS / PC / PA / PVC / ABS / EVOH / PETG / TPR etc.

PET 吹瓶机 PET STRETCH BLOW MOLDING MACHINE

产品范围: 10ml至10加仑二步法拉伸吹瓶机。
适用材料: PET管胚、PP管胚。
Products range: 10ml to 5 gallon pet stretch blow molding machine.
Suitable raw material: PET preform , PP preform .

吹塑模、吹瓶模、注塑模 BLOWING MOLD & INJECTION MOLD

产品范围: 各类吹塑模具、吹瓶模具、注塑模具。
适用材料: 45#,60#,P20,2316,S136,3Cr13,Al,718,H13,8402等。
Products range: all kinds of blowing molds , injection molds and preform molds.
Raw material: H45#,60#,P20.2316.S136,3Cr13,Al,718,H13,8402,SKD etc.

后段工序及辅助设备 SPOST-PROCESS EQUIPMENT AN AUXILIARY EQUIPMENT

产品范围: 可装配输送带, 螺口机, 测漏机, 机械手, 贴标机, 打包机、空压机、粉碎机、上料机实现流水线作业。
Products range: Machine can be equipped with conveyors, screw capping machines, leak testing machines, manipulators, labeling machines, packaging machines, air compressors, crushers, feeding machines, etc. to realize assembly line operations.

OUR SERVICE

我们的服务



24小时内回复客户
电邮并提供解决方案
Reply the email and
take action in 24 hours



发货前保证产品
运行稳定
100% quality inspection
before the shipment.



为客户
提供培训
Provide training service in
TONVA company or client's factory



调试安装人员
随时待命
Engineer for overseas
installation is available



吹塑模、注塑模
同发原厂生产
Blowing mould and
injection mould made at
TONVA original company.

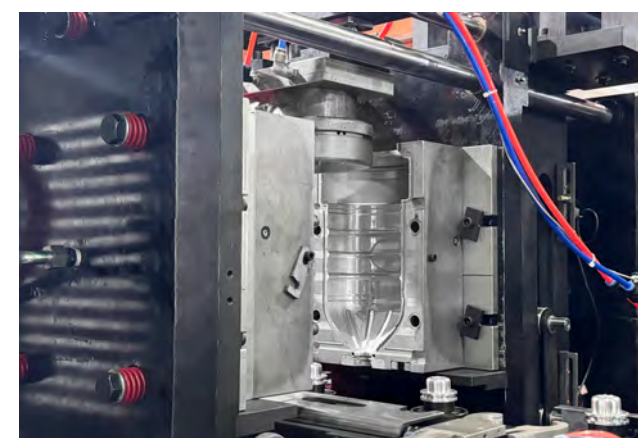
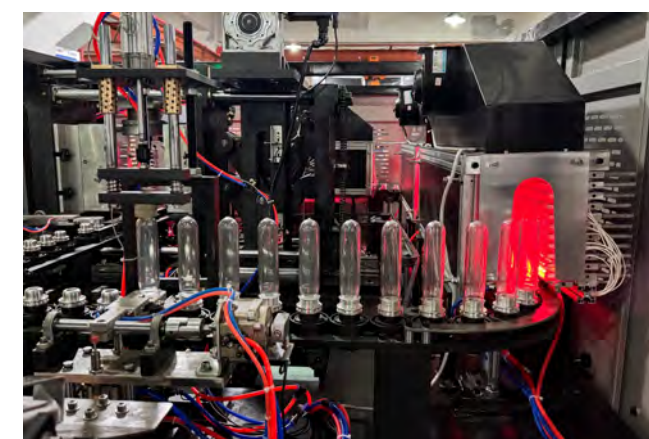


提供整套
生产线
Provide automatic
production scheme



定制化设计
满足客户各种需求
Customized design
as requirements









“工欲善其事，必先利其器”。同发拥有一套尖端的模具加工系统及精良的设备。我们深知品质与速度是竞争的重要元素，领先的加工设备，不仅能确保不断提高品质的要求，更能大幅缩短模具的制造周期，提高客户产品的市场竞争力周期。

Plastics mould is one of the most important part in blowing production. TONVA take it as a part of machine and it is a guarantee of turn-key solution, From the design to final Shipping and production, all controlled in TONVA factory.





EFA SERIES FULLY ELECTRIC MACHINE

EFA系列 伺服全电动高端吹瓶机



技术特点

- 整机能耗小，自动化程度高，操作简单。
- 设备的气动元件、轴承、电器等都采用进口品牌。
- 全伺服动作，快速稳定，节能降噪，干净无油。
- 可加装高压气回收装置，作为低压动作使用。
- 液晶触摸屏控制，操作直观、方便、快捷。

Technical Characteristic

- This model is energy-saving, highly automated and easy to operate.
- Imported brands are used on machine, including pneumatic components, bearings, electric parts, etc.
- Electric servo system, faster speed, stable running, energy saving, cleaning and lower noise.
- High pressure gas recovery unit can be designed and used for low pressure movement.
- HMI with PLC makes operation easy and simple.



EFA SERIES FULLY ELECTRIC MACHINE

EFA系列 伺服全电动高端吹瓶机



TECHNICAL SPECIFICATION/技术参数

Category/类别	Item/项目	Unit/单位	EFA-75			EFA-100			EFA-120					EFA-130		EFA-150		EFA-5L		EFA-10L		EFA-20L		EFA-2000-2
Bottle Spectification 制品规格	Cavity NO 模腔数	/	2	4	6	2	4	6	2	4	6			2	4	2	4	1	2	1	2	1		2
	Center Distance 中心距	mm	75	75	75	100	100	100	120	120	120			130	130	150	150	-	240	-	260	-		120
	Max Body Diameter 瓶身直径	mm	60	60	60	85	85	85	105	105	105			110	110	130	130	210	210	230	230	300		105
	Max Neck Diameter 瓶口直径	mm	45	45	45	80	80	80	100	100	100			105	105	125	125	60	60	60	60	80		45
	Max Bottle height 瓶身高度	mm	220	220	220	240	240	240	300	300	300			330	330	330	330	350	350	400	400	600		300
	Max Volume 最大容量	ml	600	600	600	1000	1000	1000	2000	2000	2000			2500	2500	3000	3000	5000	5000	10000	10000	20000		2000
	Output 产量	pcs/hour	2400	4200	5800	2400	4200	5800	2200	4000	5500			2000	3800	1800	3400	650	1300	600	1100	500		2200
	Amount of preform seats 胚座数量	/	72	92	122	68	92	114	60	92	108			60	84	60	84	54	70	54	70	54		66
	Amount of preform seats 灯管数量	/	28	28	42	28	49	77	28	42	70			28	42	28	42	21	21	27	27	27		18
Blowing System 吹瓶组件	Mold Thickness 模具厚度	mm	180	180	180	180	180	180	180	180	180			200	200	220	220	280	280	320	320	360		180
ElectricSystem 功率	Install Power 装机功率	kw	52	68	82	66	96	128	74	108	175			60	76	66	80	62	75	70	81	90		46
	Actual power 实际功率	kw	35	45	54	43	62	80	48	70	111			40	50	40	55	42	51	48	55	60		32
Air System 气源	HP-Compressor 高压空压机	m³/min Mpa	1.6/3.0	2.0/3.0	2.4/3.0	2.0/3.0	2.4/3.0	3.2/3.0	2.0/3.0	2.4/3.0	3.2/3.0			2.0/3.0	2.4/3.0	2.4/3.0	3.2/3.0	2.5/4.0	3.0/4.0	3.0/4.0	3.0/4.0	3.0/4.0		2.0/3.0
	Air Dryer+Fileter 冷干机+过滤器	m³/min Mpa	2.0/3.0	2.0/3.0	3.0/3.0	2.0/3.0	3.0/3.0	3.0/3.0	2.0/3.0	3.0/3.0	3.0/3.0			2.0/3.0	3.0/3.0	3.0/3.0	3.0/3.0	3.0/4.0	3.0/4.0	3.0/4.0	3.0/4.0	3.0/4.0		2.0/3.0
	HP-Air Tank 高压储气罐	m³/min Mpa	0.6/3.0	0.6/3.0	1.0/3.0	0.6/3.0	1.0/3.0	1.0/3.0	1.0/3.0	1.0/3.0	1.0/3.0			1.0/3.0	1.0/3.0	1.0/3.0	1.0/3.0	1.0/4.0	1.0/4.0	1.0/4.0	1.0/4.0	1.0/4.0		1.0/3.0
Cooling 冷却	Water Chiller 冷水机	P	3	3	5	3	5	5	3	5	5			3	5	5	5	5	5	5	5	5		3
Machine Spectification 机器规格	Main Machine(L×W×H) 主机尺寸	m	2.6×1.5×1.9	3.2×1.8×1.9	3.8×2.1×1.9	2.7×1.8×2.0	4.2×2.2×2.0	5.1×2.2×2.0	3.2×1.8×2.2	5.0×2.1×2.3	5.8×2.2×2.3			3.5×2.1×2.1	5.5×2.1×2.1	3.8×2.1×2.1	6.0×2.1×2.1	2.6×1.8×2.2	3.2×2.0×2.2	2.6×1.8×2.2	3.5×2.0×2.2	3.5×2.0×2.2		2.2×2.0×2.0
	Main Weight 主机重量	Ton	2.6	3.5	4.2	3.5	4.3	5.2	3.6	5.0	5.8			3.8	5.3	4.0	5.5	3.0	4.0	3.0	3.5	4.2		3.5

Actual output depend on bottle shape and preform qualification.The above technical parameters are subject to continual update, please check the real product as the base.
实际产能依瓶型设计及瓶胚品质而定，以上技术参数不断更新，以实际产品为准。

FA SERIES AUTOMATIC MACHINE

FA系列 全自动吹瓶机



Technical Characteristic 技术特点

- 采用优质红外线灯管加热，穿透力强，瓶胚受热均匀稳定。
- 采用进口气缸驱动，无污染，低噪音，耐用。
- 自动化、智能化程度高。
- 可加装高压气回收装置，低压动作适用。
- 适用于多口径、多瓶型、异形瓶等。
- 液晶触摸屏控制，操作直观、方便、快捷。



- This model suits pet bottles in different dimensions and shapes.
- Preform is thoroughly penetrated and got evenly and stably heated by Optimized infrared lamps.
- Machine is driven by imported air cylinder: durability, no pollution and low noise.
- High automation and intelligence.
- High pressure gas recovery unit can be designed and used for low pressure movement.
- HMI with PLC makes operation easy and simple.

TECHNICAL SPECIFICATION/技术参数

Category/类别	Item/项目	Unit/单位	FA-2000-2
Bottle Spectification 制品规格	Cavity NO 模腔数	/	2
	Center Distance 中心距	mm	120
	Max Body Diameter 瓶身直径	mm	105
	Max Neck Diameter 瓶口直径	mm	100
	Max Bottle height 瓶身高度	mm	300
	Max Volume 最大容量	ml	2000
	Output 产量	pcs/hour	2000
	Amount of preform seats 胚座数量	/	66
	Amount of preform seats 灯管数量	/	18
Blowing System 吹瓶组件	Mold Thickness 模具厚度	mm	180
ElectricSystem 功率	Install Power 装机功率	kw	40
	Actual power 实际功率	kw	25
Air System 气源	HP-Compressor 高压空压机	m³/min Mpa	1.6/3.0
	LP-Compressor 低压空压机	m³/min Mpa	1.6/1.0
	Air Dryer+Fileter 冷干机+过滤器	m³/min Mpa	2.0/3.0
	HP-Air Tank 高压储气罐	m³/min Mpa	1.0/3.0
	LP-Air Tank 低压储气罐	m³/min Mpa	1.0/1.0
Cooling 冷却	Water Chiller 冷水机	P	3
Machine Spectification 机器规格	Main Machine(L×W×H) 主机尺寸	m	2.2×2.0×2.0
	Main Weight 主机重量	Ton	3.2

Actual output depend on bottle shape and preform qualification.The above technical parameters are subject to continual update, please check the real product as the base.

实际产能依瓶型设计及瓶胚品质而定，以上技术参数不断更新，以实际产品为准。



MS SEMI-AUTOMATIC MACHINE

MS 半自动机型



技术特点

- 操作简单.维修便捷。控制电脑能够直接找出故障位置排除危险，方便维修人员迅速维修。
- 能源使用率高废品少，我们有稳定的红外线加热系统和高加工精度的模具保证产品质量。
- 机械结构合理占地面积更小。

TECHNICAL SPECIFICATION/技术参数

Category/类别	Item/项目	Unit/单位	MS-2L-2	MS-2L-2-PP	MS-5L-1	MS-5L-2	MS-10L	MS-5G
Basic Specification 制品规格	Cavity No. 模腔数	—	2	2	1	2	1	1
	Max volume 最大容量	ml	2000	2000	5000	5000	10000	5G(20L)
	Output 产量	pcs/h	1000~1400	1000~1400	300~600	500~800	300~500	70~100
	Bottle height 瓶身高度	mm	300	300	400	400	430	600
	Body Diameter 瓶身直径	mm	105	105	210	210	230	350
	Neck Diameter 瓶口直径	mm	90	90	120	120	120	80~150
	Preform holder 胚座数量	pcs	72	72	96	96	96	19
Mould 模具	Clamping Stroke 开模行程	mm	155	155	230	230	265	350
	Max Stretch Stroke 最大拉伸	mm	350	350	400	400	450	520
Power 功率	Total Power 装机功率	kw	20	20	20	42	42	45
	Heating Power 加热功率	kw	16	16	16	40	40	43
Air System 气源	HP Air Compressor 高压空压机	m³/min mpa	1.2/3.0	1.2/3.0	1.2/3.0	1.6/3.0	1.6/3.0	2.4/3.0
	Air Dryer +Filter 冷干机+过滤器	m³/min mpa	2.0/3.0	2.0/3.0	2.0/3.0	2.0/3.0	2.0/3.0	3.0/3.0
	Air Tank 储气罐	m³/min mpa	0.6/3.0	0.6/3.0	0.6/3.0	1.0/3.0	1.0/3.0	1.0/3.0
Cooling 冷却	Water Chiller 冷水机	P	2	2	2	2	2	2
Machine Specification 机器规格	Machine(L×W×H) 主机尺寸	m	1.7×0.7×1.6	1.7×0.7×1.6	2.0×0.7×1.7	2.2×0.8×1.7	2.0×0.7×1.7	2.2×0.7×1.9
	MachineWeight 主机重量	Ton	0.55	0.55	0.7	0.8	0.7	1.5
	Host Weight 烘箱尺寸	m	1.8×0.6×1.4	1.8×0.6×1.4	2.2×0.6×1.4	2.2×0.6×1.4	2.2×0.6×1.4	2.7×0.7×1.6
	Oven weight 烘箱重量	Ton	0.25	0.25	0.35	0.35	0.35	0.6

Actual output depend on bottle shape and preform qualification.The above technical parameters are subject to continual update, please check the real product as the base.
实际产能依瓶型设计及瓶胚品质而定，以上技术参数不断更新，以实际产品为准。

Technical Characteristic

- Easy operation and convenient maintenance. Error can be quickly found out on computer and easy for maintenance people to eliminate.
- Effectively-used energy and high rate of finished, and its quality is ensured with reliable heating system-infrared lamps and precisely processed mould.
- Mechanical structure is simple and small space is required.



INJECTION MOLDING MACHINE

注塑机



用于配套打瓶盖、瓶胚和相关注塑件等。
TONVA Provides injection molding machine to make bottle caps, cups and performs etc.

TECHNICAL SPECIFICATION/技术参数

Category/类别	Item/项目	Unit/单位	TVI-170/PET	TVI-230/PET	TVI-270/PET	TVI-300/PET	TVI-360/PET	TVI-430/PET
Injection Unit 注射装置	International size rating / 国际标准规格	-	170-630	230-700	270-940	300-1350	360-2150	430-2950
	Screw diameter / 螺杆直径	mm	50	55	60	65	75	80
	Screw L/D ratio / 螺杆长径比	L/D	25	25	25	25	25	25
	Shot volume / 理论注射容量	cm³	441	510	664	945	1480	1960
	Injection weight(PET) / 理论注射重量	g	476	550	716	1020	1597	2115
	Injection rate/理论注射速率	g/s	227	236	290	361	443	554
	Injection pressure / 注射压力	Mpa	143	139	142	143	146	152
	Screw speed / 螺杆转速	rpm	150	140	140	160	140	140
Clamping unit 锁模装置	Clamping force / 锁模力	KN	1700	2300	2700	3000	3600	4300
	Open stroke / 移模行程	mm	435	495	540	590	660	720
	Space between tie bars / 拉杆间距	mm	480×480	530×530	580×580	630×630	680×680	730×730
	Max. Mold height / 最大模厚	mm	520	530	550	630	720	780
	Min Mold height / 最小模厚	mm	180	200	200	200	250	250
	Ejector stroke / 顶出行程	mm	135	140	150	150	160	190
	Ejector force / 顶出力	KN	50	70	70	70	70	110
Others 其他	Max. pump pressure / 油泵压力	Mpa	16	16	16	16	16	16
	Pump motor power / 油泵马达功率	KW	22	22	30	37	55	22+37
	Heater power / 电热功率	KW	19.7	24.5	24.8	33	36.8	42.2
	Machine dimensions / 机器外形尺寸	m	4.86×1.3×2.1	5.3×1.6×2.2	5.9×1.6×2.3	6.1×1.8×2.4	7.1×2.1×2.4	7.8×2.0×2.6
	Oil tank capacity / 邮箱容积	l	250	250	340	390	550	680
	Machine weight / 机器重量	t	5.4	6.4	7.5	8.8	12.8	15.9

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打包机/Packing Machine



冷水机/Water Chiller



除湿烘干上料三位一体机/Three-in One" Compact Dryers



灌装线/Water Filling Line