

PM-SERIES

TWO-STAGE INJECTION PET PREFORM INJECTION MOLDING MACHINE



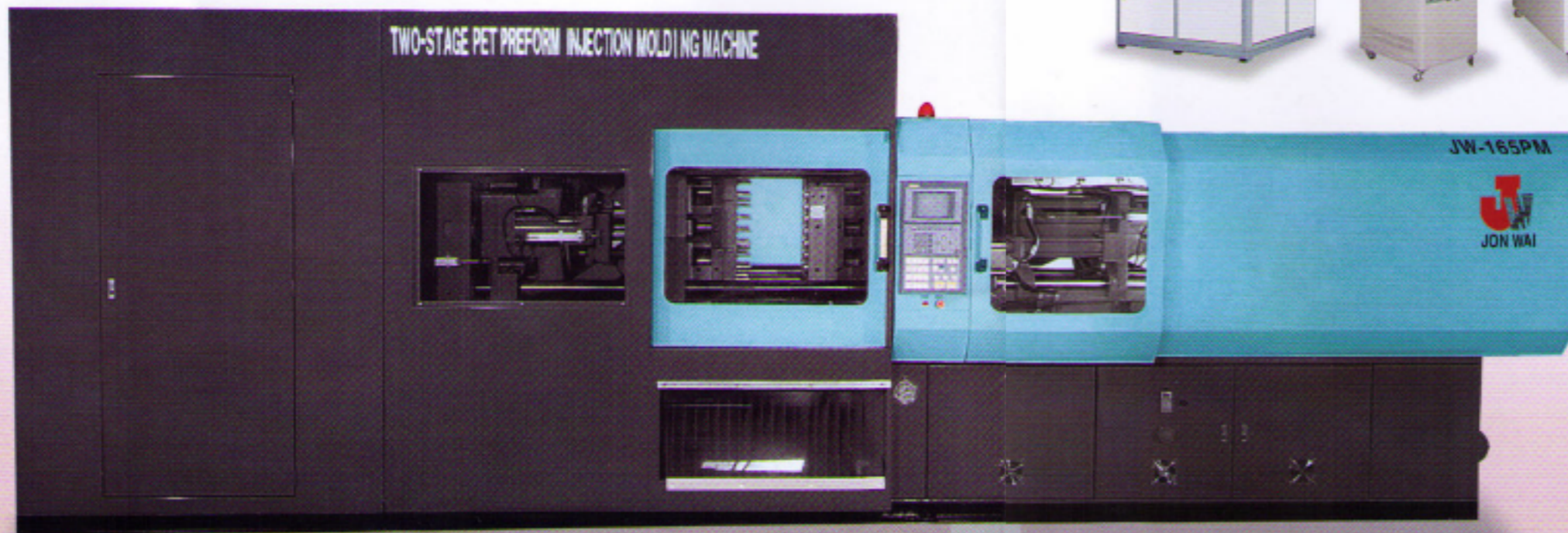
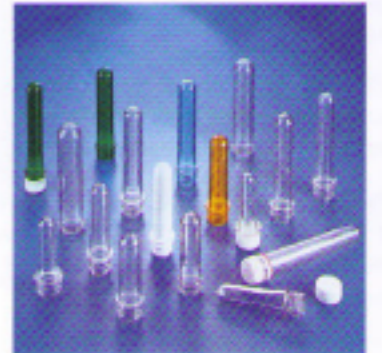
JON WAI PRODUCTION SYSTEMS FOR PET PREFORMS

JON WAI, born a leader and with decades of experience in PET, is now more focused than ever on the needs of its customers. With experience of PET bottles production line planning for many year and strong design ability of PET preform mold, JON WAI offers a complete package for the production of PET preforms, base on this extensive engineering know-how, in the PM series.

Whether your company is looking for a high outputs system to produce standard preforms or a system which offers the flexibility to produce brand-specific preforms, JON WAI has the right system for your requirement.

Preform system can accommodate from 8 up to 48 cavity molds on any standard preforms. As well as the injection molding machine, the package includes mold, robotic handling system, complete with integrated after-cooling station; granule drying system, recirculating air condition for the mould, and refrigeration system.

The concept of the complete system is designed for maximum flexibility when changing from one preform variant to another. Because the mold can be easily modified and robotics adapted without problem, it is possible to change to a different size of proform in a relatively short time, meaning even small volumes of parts or unusual shapes can be produced economically.



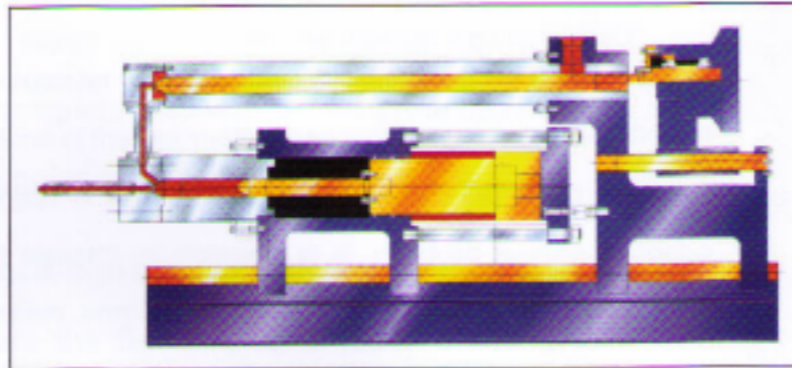
Preform System Characteristics

• Injection Unit

Two-stage injection unit consists of one screw for pre-plasticizing and one plunger for injection.

LOW A.A.levels and very high trough put with outstanding melt quality are ensured by the injection unit's 25 D high- performance screw.

The separate shooting pot can get a wider range of shot size. Without the use of check-ring, it can escape the unstable injection and increase the precision of shooting.



• Preform System Advantages

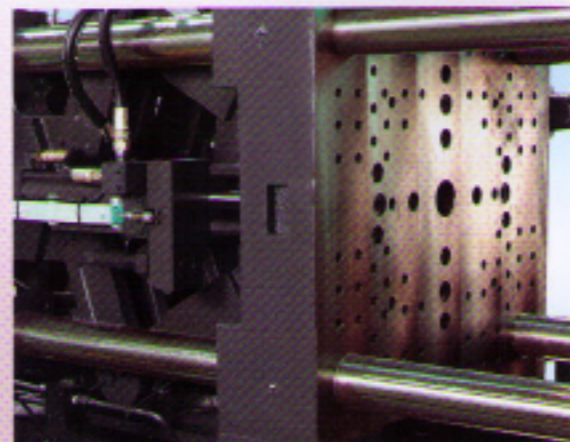
- Low acetaldehyde (A.A) levels for best preform quality.
- Fast and precise for high productivity.
- Compact to save space for your down stream equipment.
- Custom fit to meet your production needs.



• Clamping Unit

Enlarged ejector system and longer ejector stroke is especially designed to match the ejector requirement of PET preform.

The external five points double toggle system and thick platens design can distribute the clamping force evenly to the mold. With the sensitive mold protection device, it will prevent damage to molding surface components.



• Valve-gated balance hot-runner mold

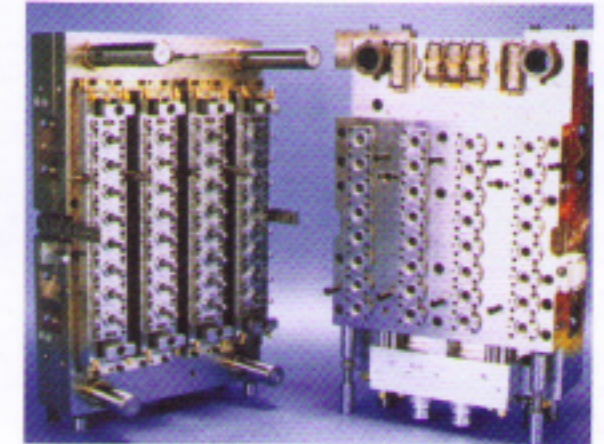
Pneumatic actuated valve gated for simultaneous high-speed open and close motion.

Reduced (residence time) channel volume.

Low Acetaldehyde (A.A) level.

All inserts are interchangeable.

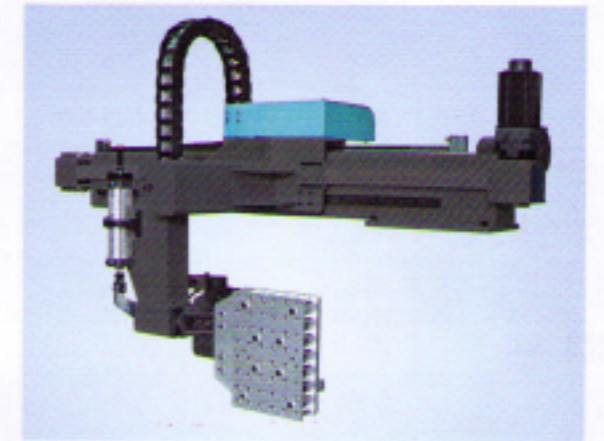
Individually temperature controlled nozzles.



• Integrated Robotic Handling System

The removal handing is based on the series components for the JON WAI moldule handling system, that is driven into the mold servo-electrically with a perpendicular plane. Once the mold is opened, the removal gripper moves into position directly for ejection.

The high-precision preform system delivers the fastest cycle times possible at highest quality.



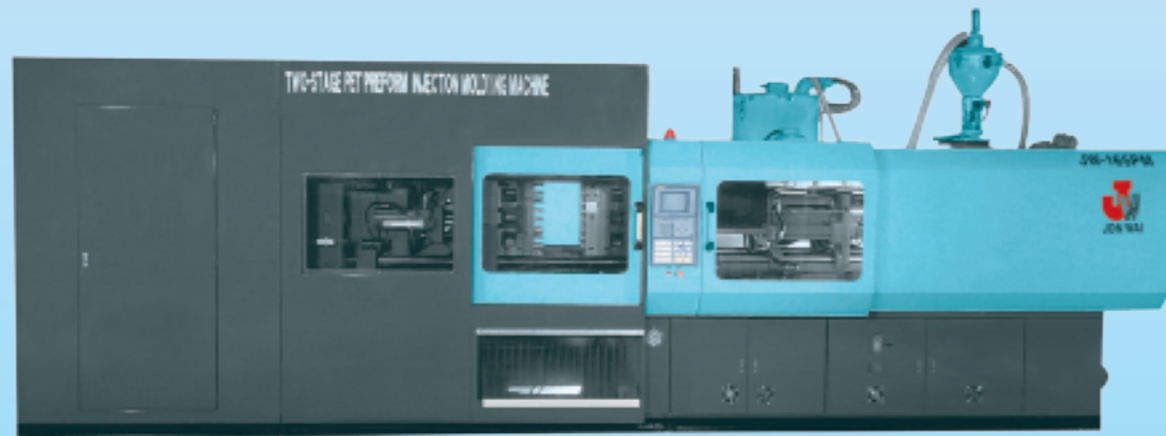
• The Turnkey Production System

- Resin dryer
- Dehumidifier
- Chiller
- Mold sweat protector
- Downstream automation

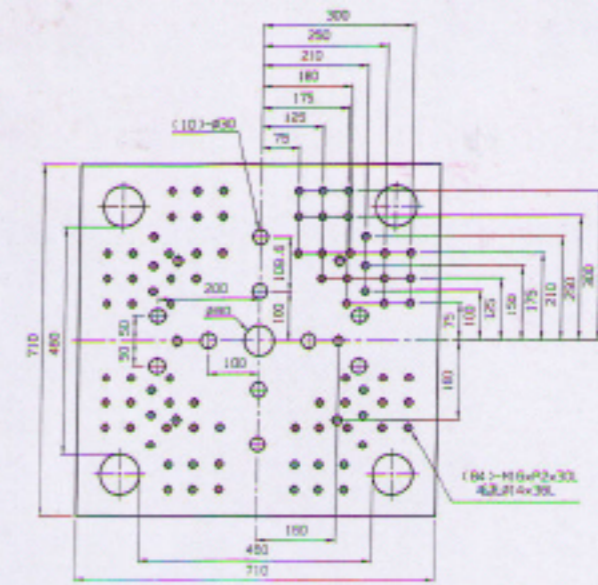


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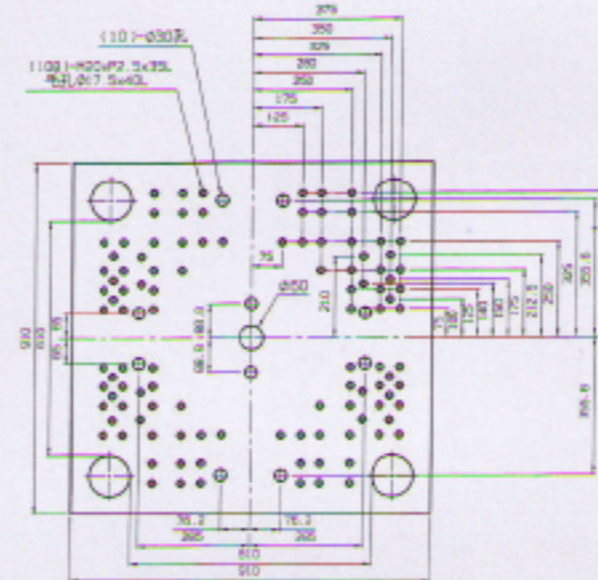
MODELS		JW-165PM		JW-275PM		JW-385PM	
SCREW DIMETER	mm	50	70	70	85	85	100
PLUNGER DIAMETER	mm	65	80	80	100	100	120
SHOT SIZE	gr	895	1665	1665	2775	2775	4997
PLASTICIZING CAPACITY	kg/hr	100	200	200	300	300	450
INJECTION PRESSURE	kg/cm ²	1076	1012	1012	1059	1059	1058
CLAMPING FORCE	ton	165		275		385	
CLAMP STROKE	mm	410		540		630	
MOLD HEIGHT	mm	230~600		220~680		280~760	
DISTANCE BETWEEN TIE-RODS	mm	460x460		610X610		710x710	
MOTOR RATED	HP	60	70	90	100	100	120
MACHINE DIMENSIONS	M	6.91x1.61x2.4	7x1.61x2.5	7.32x1.94x2.69	7.7x1.94x2.76	9.64x19.1x2.5	9.64x19.1x2.5



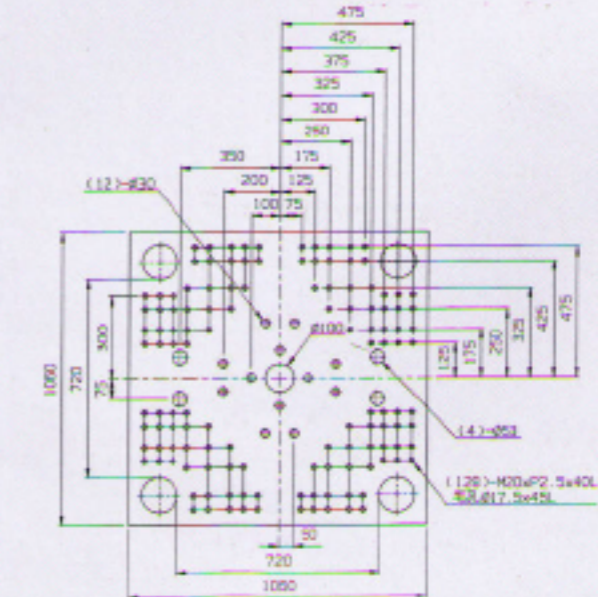
● JW-165PM



● JW-275PM



● JW-400PM





JONWAI

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