



STORCK[®] **IMM** POT-LINE

INJECTION
MOULDING
MACHINES

CLAMPING-UNIT

FAST AND SMOOTH

- Robust 5-point toggle system guarantees fastest and smoothest movements.
- Reinforced linear rail guidance provides accurate durable mould guidance.
- Increased opening strokes for IML are available.
- Extremely stiff platens are used for symmetrical filling at minimum clamping-force.
- The extremely fast and precise mould security protects your valuable moulds.
- Progressive lubrication with active monitoring ensures high reliability and long life-time.
- Suitable for food-grade lubricants.
- Internal tie-bar clamping-force measurement increases process quality.

SC1301 SMART TOUCH

INTELLIGENT AND USER-FRIENDLY

- The IPC with 19" multi-touch screen presents all information in a clear and orderly fashion.
- Stork's own software development provides us full control over process and optimisation.
- In-house software development guarantees short delivery-times in software changes.
- Proven user-friendly concept.
- Free programmable core-pulling and air-valve sequences are easy to program.
- Integrated hot-runner with graphical display and optional current monitoring, boost and follow-me function increases process quality and easy-operation.
- Remote service enables fast service intervention via our Stork help-desk.
- The ECO page allows for energy optimisation of the process.

DRIVES

ACCURATE AND ENERGY EFFICIENT

- Parallel movements of all functions enables shortest cycle-times.
- Hybrid accumulator drive for fastest speeds and extremely short response times.
- Comes standard with Stork controlled energy-optimised variable pump.
- In-line high pressure filtration increases reliability.
- Frequency controlled main engine reduces energy consumption.
- Electrical clamping unit with robust rack and pinion drive and regenerative unit allows for shortest cycle-times at lowest energy consumption.
- Electric injection fine-tuned for thin-walled applications.

INJECTION-UNIT

HIGH OUTPUT AND HOMOGENEOUS MELT

- Special mixing screws up to and including 27 l/d deliver highest output and optimum dispersion of master-batch.
- Extremely fast injection and switch-over are ultimate conditions for quality in thin-walled injection moulding.
- The robust shut-off nozzle with large bore reduces pressure-drop.
- 2K-solutions in different arrangements are available for different applications.
- High circumferential speeds enable short plasticizing times and high output.





AIR EJECTOR

- 2000 l/min
- Pressure and volume adjustable
- Free programmable
- Exact timing



MASSIVE STEEL PLATENS

- Maximum stiffness
- Minimum cone

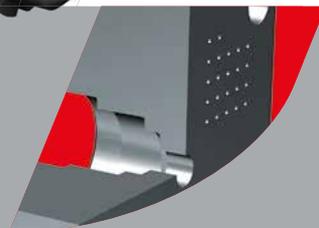
INCREASING PITCH BARRIÈRSCREW

- Homogeneous plasticizing regrind
- Highest circumferential speeds
- Short cycle-times
- Wear resistant



LARGE MELT-FILTER

- Perfect filtration
- Large filter-surface
- Minimum pressure-drop



PARTICULARS OF THE POT-LINE

The regrind material used for flowerpots is often heavily contaminated. This causes mould damage and down-time. The large sized Stork melt filter prevents this and has a positive influence on the process.

Stork offers a wide choice in drive systems which enables us to offer you always the fastest and most energy efficient machine.

Extremely thin-walled flowerpots require extremely high injection speeds. The Stork Pot-Line combines an extremely high injection speed with a fast and accurate switch-over to holding-pressure.

Special screws with high l/d ratios are ideal for homogeneous plasticizing of regrind material. Extremely high circumferential speeds make these wear resistant screws highly suitable for short cycle-times.

Our high-flow air-valves with separate adjustment of flow and pressure guarantees the shortest drop-out time. The fast and accurately reacting mould safety provides an excellent protection for your valuable mould.

Stork uses extremely stiff platens for symmetrical filling at minimum clamping force.



HIGHEST INJECTION SPEEDS

- Fast acceleration
- Perfect control
- Accurate switch-over
- Electric and hydraulic

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INJECTION
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POT-LINE PRODUCT COMBINATIONS

		425		850		1450		2150		3550		5650		8650		12550	
		35	40	45	52	52	62	62	72	72	84	84	98	98	115	115	133
POT-LINE 1500	1500 KN	■	■	■	■	■	■										
POT-LINE 2000	2000 KN	■	■	■	■	■	■	■	■								
POT-LINE 2500	2500 KN			■	■	■	■	■	■								
POT-LINE 3300	3300 KN			■	■	■	■	■	■	■	■						
POT-LINE 4400	4400 KN					■	■	■	■	■	■	■	■				
POT-LINE 5500	5500 KN							■	■	■	■	■	■	■	■		
POT-LINE 6600	6600 KN									■	■	■	■	■	■	■	
POT-LINE 8000	8000 KN											■	■	■	■	■	
POT-LINE 10000	10000 KN													■	■	■	■

RELIABLE SERVICE

- ✓ 24 hours a day, 7 days a week.
- ✓ Service desk manned by experienced specialists.
- ✓ Remote-service support.
- ✓ On-line parts ordering.



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POT-LINE

The Stork Pot-Line represents top quality in injection moulding machines for manufacturing flowerpots. In this special product line Stork translates our customers passion, craftsmanship, experience and requirements into dedicated solutions. Stork constantly listens to her customers, integrates the insights thus gained into her own expertise and ensures effective implementation in her products. This is a dynamic process. Stork is innovating continuously. It's the very reason why the Stork injection moulding machine will always be the best, fastest and most reliable for manufacturing flowerpots. Of course we apply the same philosophy to our other product lines.

Stork stands for maximum reliability resulting in maximum uptime. This entails supplying high quality injection moulding machines as well as impeccable services. Consequently Stork offers you the highest degree of service, allowing you, in turn, to offer your customers the guarantee of maximum delivery performance. To Stork employees being service-oriented is in their DNA and we expect no less from our suppliers. As a result you as a customer are assured of optimum support chain-wide.

Each and every Stork employee is an ambassador for the craftsmanship we offer you. In our book, craftsmanship extends to the way we listen to customers, give advice, develop, manufacture and provide services. This unique brand of craftsmanship is the pride of everyone working at Stork. We're at your service, day in and day out.

AT STORK IT'S ALL ABOUT THE CUSTOMER



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