



INJECTION  
MOULDING  
MACHINES

**STORCK**<sup>®</sup> IMM PAIL-LINE

## 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 and 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.

## 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 fast variable pump.
- In-line high pressure filtration increases reliability.
- Frequency controlled main engine reduces idle losses.
- 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.

## SC1301 SMART TOUCH

*INTELLIGENT AND USER-FRIENDLY*

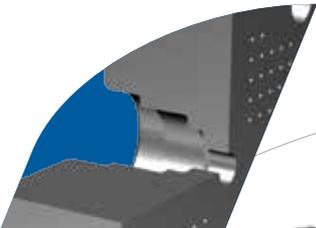
- The IPC with 19" multi-touch screen presents all information in a clear and orderly fashion.
- Stork's own software development department provides us full control over process and optimisation.
- In-house software development guarantees short delivery-times in software changes.
- Proven user-friendly 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 controllability.
- Remote service enables fast service intervention via our Stork help-desk.
- The ECO page allows for energy optimisation of the process.

## 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.





**MASSIVE  
STEEL PLATENS**

- Maximum stiffness
- Minimum cone



**AIR EJECTOR**

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

**HIGHEST  
INJECTION SPEEDS**

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



**2K-UNIT**

- Several arrangements
- Flexible in sequence
- Fully parallel





## PRIMARY ASSETS OF THE PAIL-LINE

The production of containers for the food-industry requires maximum hygiene. The Stork injection moulding machine can also be lubricated with food-grade oil and lubricants.

Thanks to enlarged opening-strokes, IML in a toggle driven machine is possible without an extra movement of the robot.

The pail-producing industry is characterised by extremely short cycle-times. Stork uses a very stiff toggle system and, as a result, ensures the shortest dry-cycle time, regardless of machine size or drive principle.

Ejecting large containers requires a lot of air and perfect timing. The freely programmable high-flow air-valves with separate regulation of flow and pressure guarantees the shortest demoulding times, resulting in the shortest cycle-times.

Pails are increasingly fitted with integrated handles. The 2K unit needed to facilitate this is available in different sizes and arrangements

### ENLARGED OPENING-STROKES

- Unique in toggle systems
- IML in one movement

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## PAIL-LINE SPECIFICATIONS

		425		850		1450		2150		3550		5650		8650		12550		19000	
		35	40	45	52	52	62	62	72	72	84	84	98	98	115	115	133	133	150
<b>PAIL-LINE 1500</b>	<b>1500 KN</b>																		
<b>PAIL-LINE 2000</b>	<b>2000 KN</b>																		
<b>PAIL-LINE 2500</b>	<b>2500 KN</b>																		
<b>PAIL-LINE 3300</b>	<b>3300 KN</b>																		
<b>PAIL-LINE 4400</b>	<b>4400 KN</b>																		
<b>PAIL-LINE 5500</b>	<b>5500 KN</b>																		
<b>PAIL-LINE 6600</b>	<b>6600 KN</b>																		
<b>PAIL-LINE 8000</b>	<b>8000 KN</b>																		
<b>PAIL-LINE 9000</b>	<b>9000 KN</b>																		
<b>PAIL-LINE 10000</b>	<b>10000 KN</b>																		
<b>PAIL-LINE 12000</b>	<b>12000 KN</b>																		
<b>PAIL-LINE 14000</b>	<b>14000 KN</b>																		

## RELIABLE SERVICE

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

*Deze brochure is samengesteld met de grootst mogelijk zorg, er kunnen echter geen rechten worden ontleend aan de inhoud.*





## PAIL-LINE

The Stork Pail-Line represents top quality in injection moulding machines for manufacturing containers and lids. In this special product line we translate our customers' passion, craftsmanship, experience, and requirements into dedicated solutions. We constantly listen to customers, integrate the insights thus gained into our ever growing expertise and ensure effective implementation in our products. This is a dynamic process; Stork is innovating continuously. It's the very reason why our injection moulding machine will always be the best, fastest and most reliable for manufacturing containers and lids. Of course we apply the same philosophy to our other product lines.

We aim for maximum reliability resulting in maximum uptime. This entails supplying high quality Stork injection moulding machines as well as impeccable services. Consequently we'll do whatever it takes to offer the highest degree of service, allowing you, in turn, to offer your customers the guarantee of maximum delivery performance. To our staff 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 one 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

INJECTION  
MOULDING  
MACHINES

# STORK<sup>®</sup> IMM

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