



STORCK[®] **IMM** CRATE-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.





THE FASTEST MACHINE

- Shortest dry-cycletime
- No delay-times
- Smooth parallel movements
- Robust drive
- Reliable



ROBUST RAIL-GUIDANCE

- Spaciously dimensioned
- Accurate mould-guidance
- Supports stack-mould



THE LOWEST ENERGY CONSUMPTION

- E-drive up and incl. 6600 kN
- Variable pump
- Frequency controlled main-engine
- Electric screwdrive
- High-efficiency E-drives



2K-UNIT

- Several arrangements
- Flexible in sequence
- Serial or parallel injection

CHARACTERISTICS OF THE CRATE-LINE

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

Stork offers special wear resistant mixing-screws for perfect distribution of the master-batch and high output.

Stork distinguishes itself by always delivering the fastest machine, also in the large machine range (>4400).

Crate moulds are often complicated moulds with multiple core-pulling and ejector movements. The free programmable core-puller is extremely user-friendly and makes perfect parallel movements possible, resulting in the shortest possible cycle times.

The boost function of the integrated hot-runner switches on extra power during start-up to avoid injection points freezing off. This eases the start-up of these complicated productions.

The Stork linear rail guidance of the movable platens distinguishes itself by its robust construction.

Logistic packaging systems are increasingly moulded with 2K technology. The 2K unit needed to facilitate this, is available in different sizes and arrangements.



DOUBLE PITCH MIXING-SCREW

- Perfect melt-quality
- Excellent dispersion
- High output

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CRATE-LINE PRODUCT COMBINATIONS

| | | 2150 | | 3550 | | 5650 | | 8650 | | 12550 | | 19000 | | 31500 | |
|------------------|----------|------|----|------|----|------|----|------|-----|-------|-----|-------|-----|-------|-----|
| | | 62 | 72 | 72 | 84 | 84 | 98 | 98 | 115 | 115 | 133 | 133 | 150 | 150 | 180 |
| CRATE-LINE 4400 | 4400 KN | | | | | | | | | | | | | | |
| CRATE-LINE 5500 | 5500 KN | | | | | | | | | | | | | | |
| CRATE-LINE 6600 | 6600 KN | | | | | | | | | | | | | | |
| CRATE-LINE 8000 | 8000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 9000 | 9000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 10000 | 10000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 12000 | 12000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 14000 | 14000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 16000 | 16000 KN | | | | | | | | | | | | | | |
| CRATE-LINE 18000 | 18000 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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CRATE-LINE

The Stork Crate-Line represents top quality in injection moulding machines for manufacturing logistic packaging systems. 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 logistic packaging systems. 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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