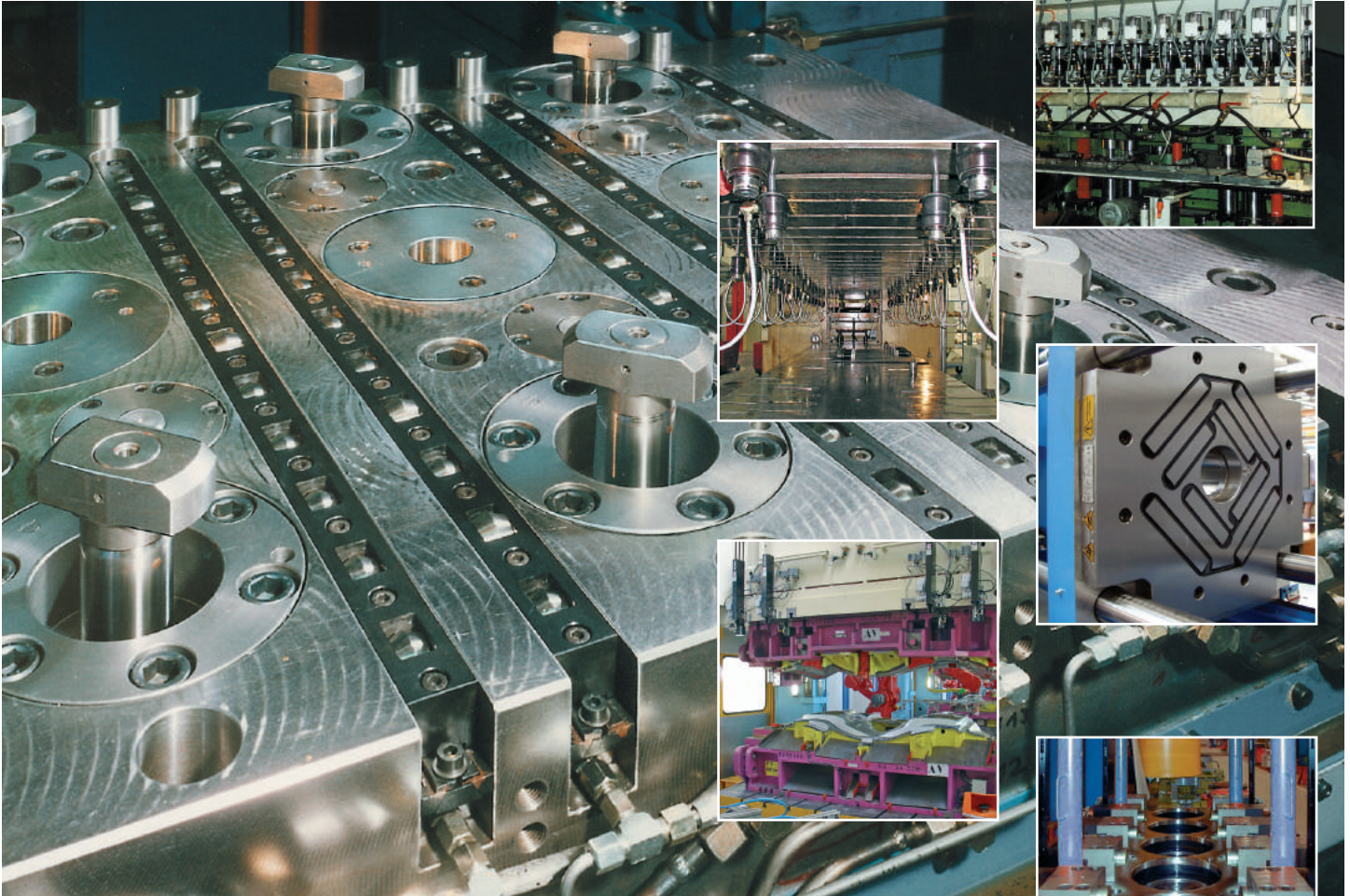
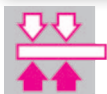


HILMA Quick Die and Mold Change Systems



- Hydraulic
- Mechanical
- Electro-mechanical
- Magnetic

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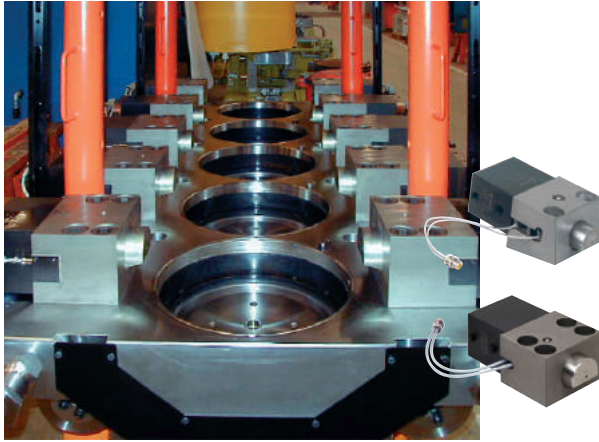
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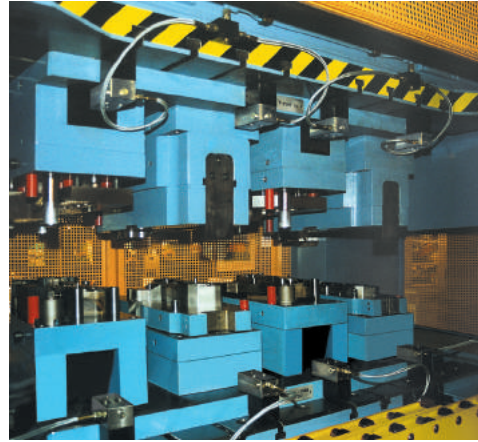
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HILMA Quick Die and Mold Change Systems



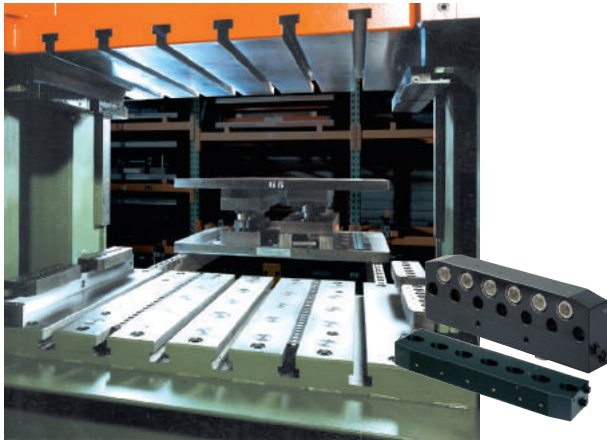
①

5-stage drop forging center equipped with wedge-type clamps (with directional seat valves) for controlling the various stages



②

Sliding clamps in a four-post press installed on the press bed and the press ram. The dies are fed to the press using swivelling supporting consoles



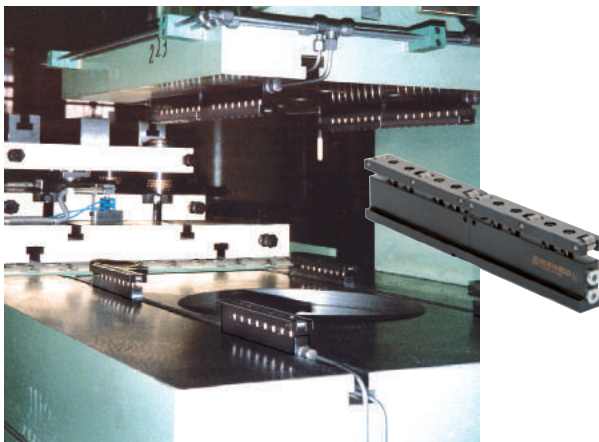
③

Clamping bars installed on the press bed and the press ram. Easy feeding of the dies using change consoles and roller bars in the T-slots of the press bed



④

Use of hollow piston cylinders on the press ram



⑤

Double-T clamping bars on the press bed and the press ram



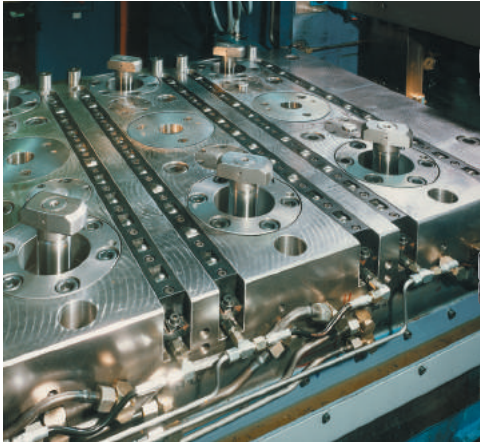
⑥

Quick-die clamping system with pusher chain on the press ram of a double-column press. Clamping element: hollow piston cylinder



HILMA Quick Die and Mold Change Systems

7



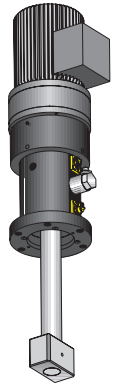
Swing sink clamps in a double-column press (tie rod extended and in swing position)



8



Electro-mechanical swing clamp on a double-column press



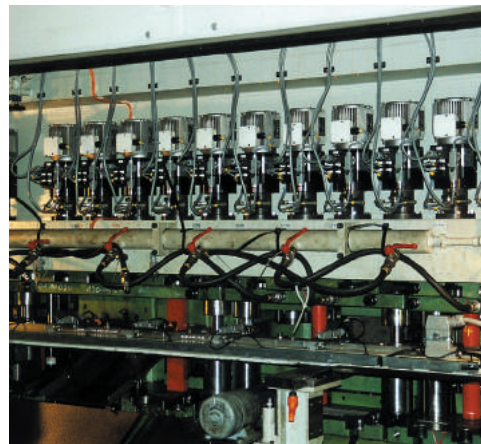
9



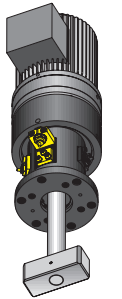
Swing clamps on the press ram.
Die change position: ram in the upper position, swing clamps extended



10



Electro-mechanical swivel and pull clamps on a transfer press

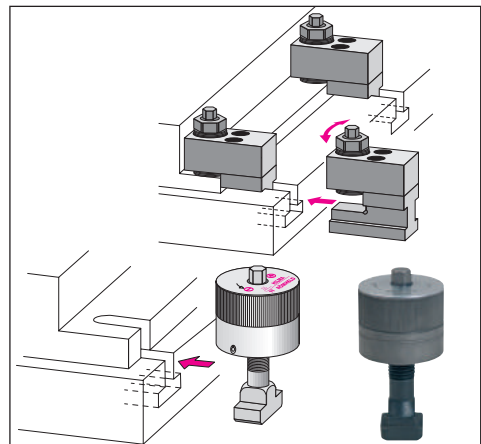


11



Power units with electrical controls and a remote control pendant, ready for connection; and a die lifter air pump

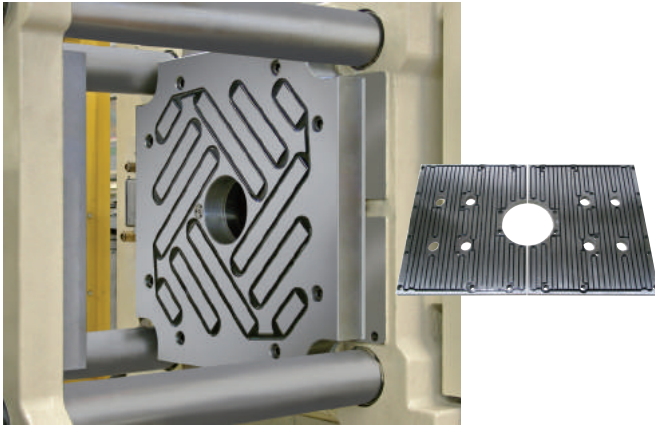
12



Mechanical clamping elements: sliding clamps and clamping nut with integral high-pressure spindle



HILMA Quick Die and Mold Change Systems



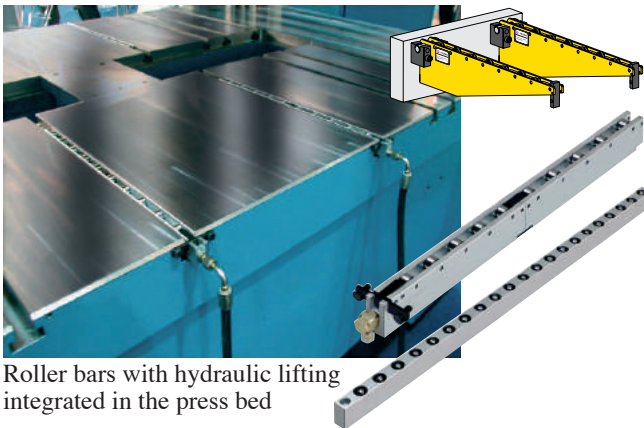
13

M-TECS 130 for the thermoplastics industry, used on injection molding machines, resistant to temperatures of up to 130°C



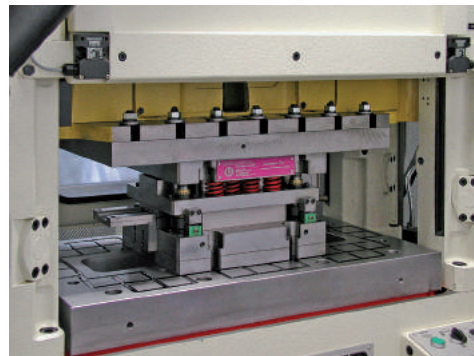
14

M-TECS 210 for the rubber and duroplastics industry, used on presses and injection molding presses, resistant to temperatures of up to 240°C



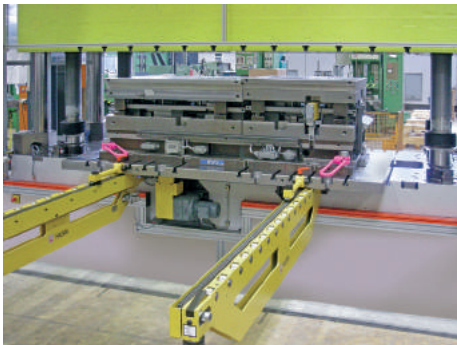
15

Roller bars with hydraulic lifting integrated in the press bed



16

M-TECS MP for sheet-metal forming presses and punching machines



17

Die changing system directly adapted to the press



18

M-TECS SP for milling processes

Why Use Hilma Die Clamping Systems?

- Improved productivity thanks to reduced set-up times, therefore less downtime
- Short set-up times even for small batches, smaller stock of parts
- Easy die change, with skilled die setters not necessary

- Reduced wear and enhanced quality by uniform and low-distortion clamping with high clamping forces
- Repeatable positioning and clamping operation
- Automation by clamp integration in the press controls
- Easy clamping at points difficult to reach
- May be used even under extreme ambient conditions.

