



COOLSHOT

EWIKON COLD RUNNER TECHNOLOGY

The high-performance cold runner system
for the processing of LSR

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More precision and safety for your LSR application

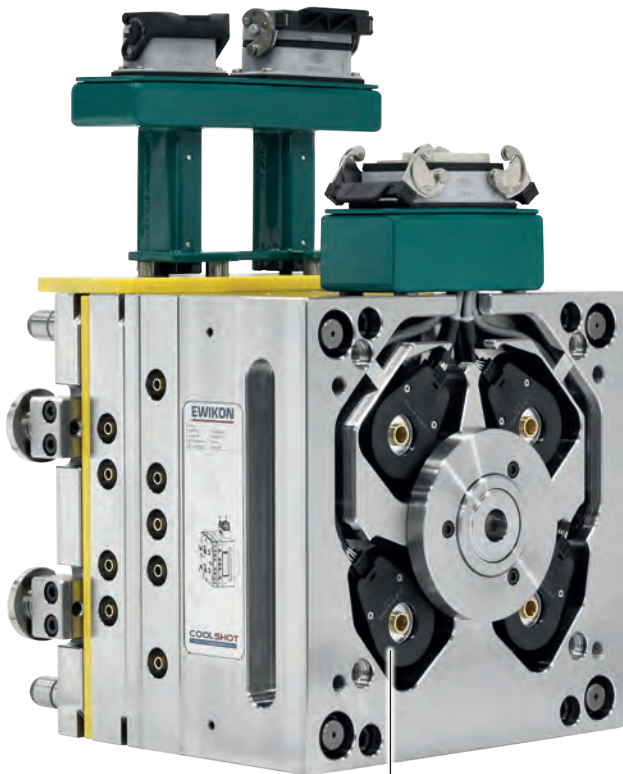
Perfect cavity filling, even heating for homogeneous cross-linking, shortened cycle times and easy integration – with innovative proven technology the EWIKON COOLSHOT cold runner system allows the reliable processing of all types of LSR.

Electric valve gate technology – the key to enhanced performance

As a pioneer and technology leader in electric valve gate technology for hot runner applications EWIKON has successfully transferred the technical advantages to the field of cold runner technology.

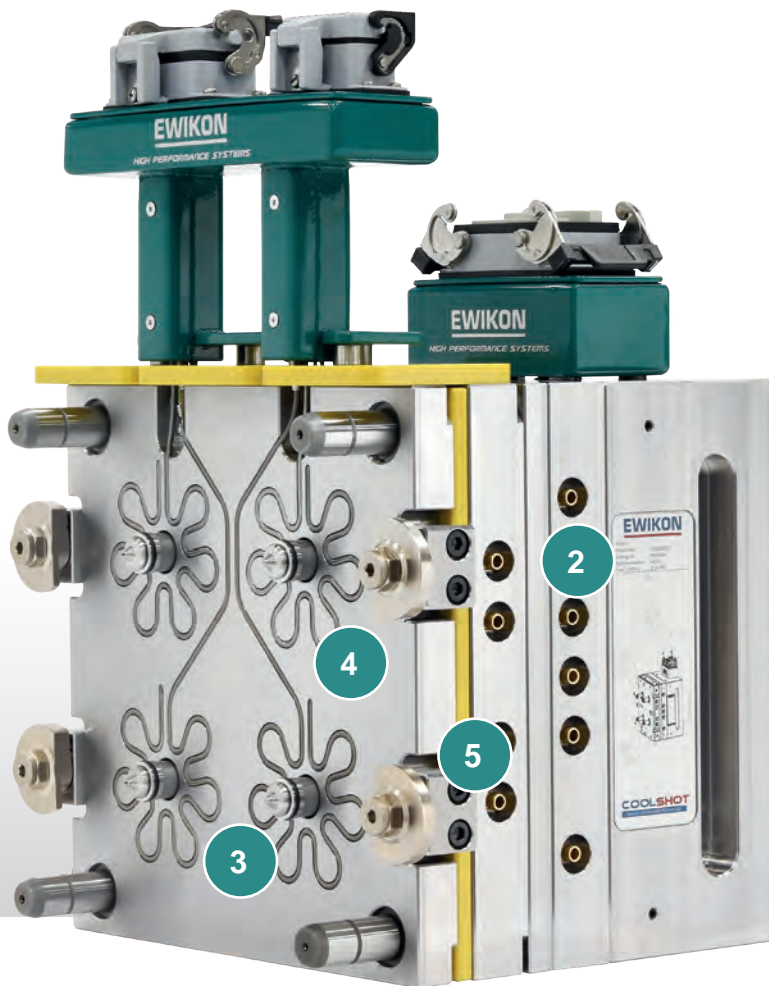
1 More performance by linear step motors

- Valve pin positioning with high precision.
- Minimised time expenditure for system setup and readjustments during production. No manual adjustment of the valve pin length required.
- Automatic valve pin position monitoring and readjustment by encoder.
- Powerful control unit with 7" touch screen display for comfortable operation. Remote control access by using a tablet PC and VNC viewer.



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The complete ready-to-install solution – delivery as cold half with innovative options

The complete mould half contains the integrated cold runner system including cooling and complete electric wiring. Additional options help to further enhance the process reliability as well as the maintainability.

2 Easy-to-maintain balanced manifold technology

- Manifolds with balanced flow channels.
- Streamlined flow channel layout for quick colour changes.
- Manifold package can be easily disassembled and opened for cleaning.

3 Optimised cycle times and perfect gating points thanks to advanced nozzle technology

- An excellent thermal separation is achieved by using different tip designs for the water cooled cold runner nozzles. This allows optimised cycle times for various types of LSR.
- Valve gate technology for high gating point quality.

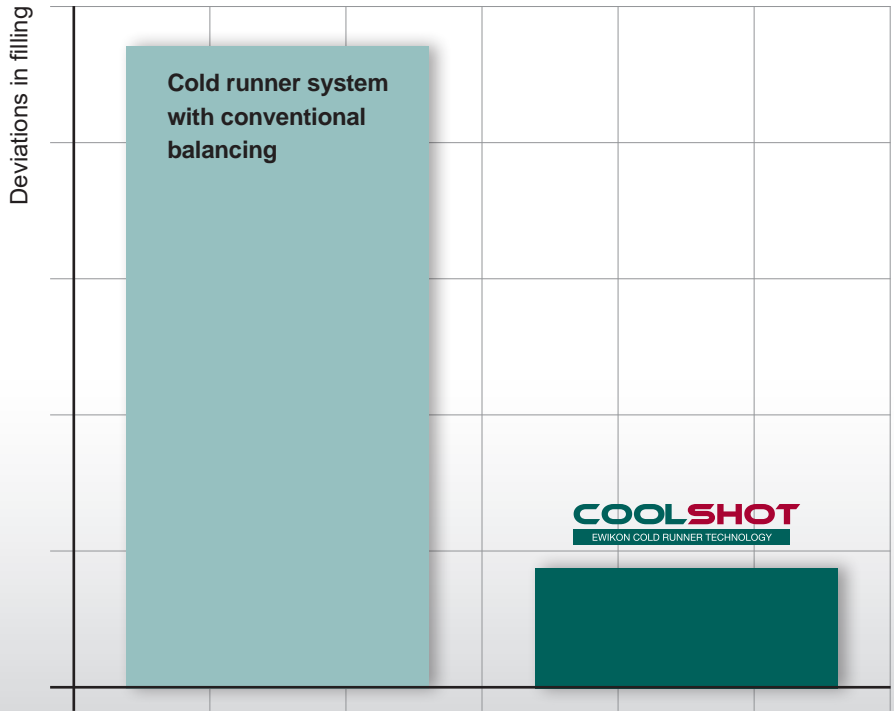
4 Option Homogeneous heating of the cavity plate

- Heated separator plate with powerful coil heaters and separate temperature control for each cavity. Considerably more even temperature profile when compared with cartridge heaters.

5 Option Quick clamping device for deinstallation of the cavity plate

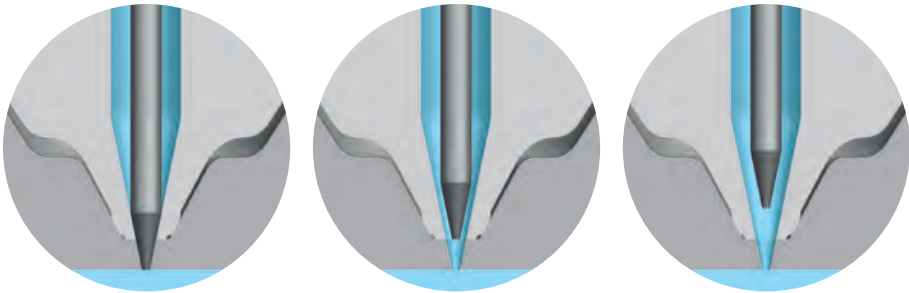
- After the end of production or in case of a temporary interruption the hot cavity plate can be easily separated from the cold runner nozzles. A cross-linking of the LSR in the cold runner is prevented.



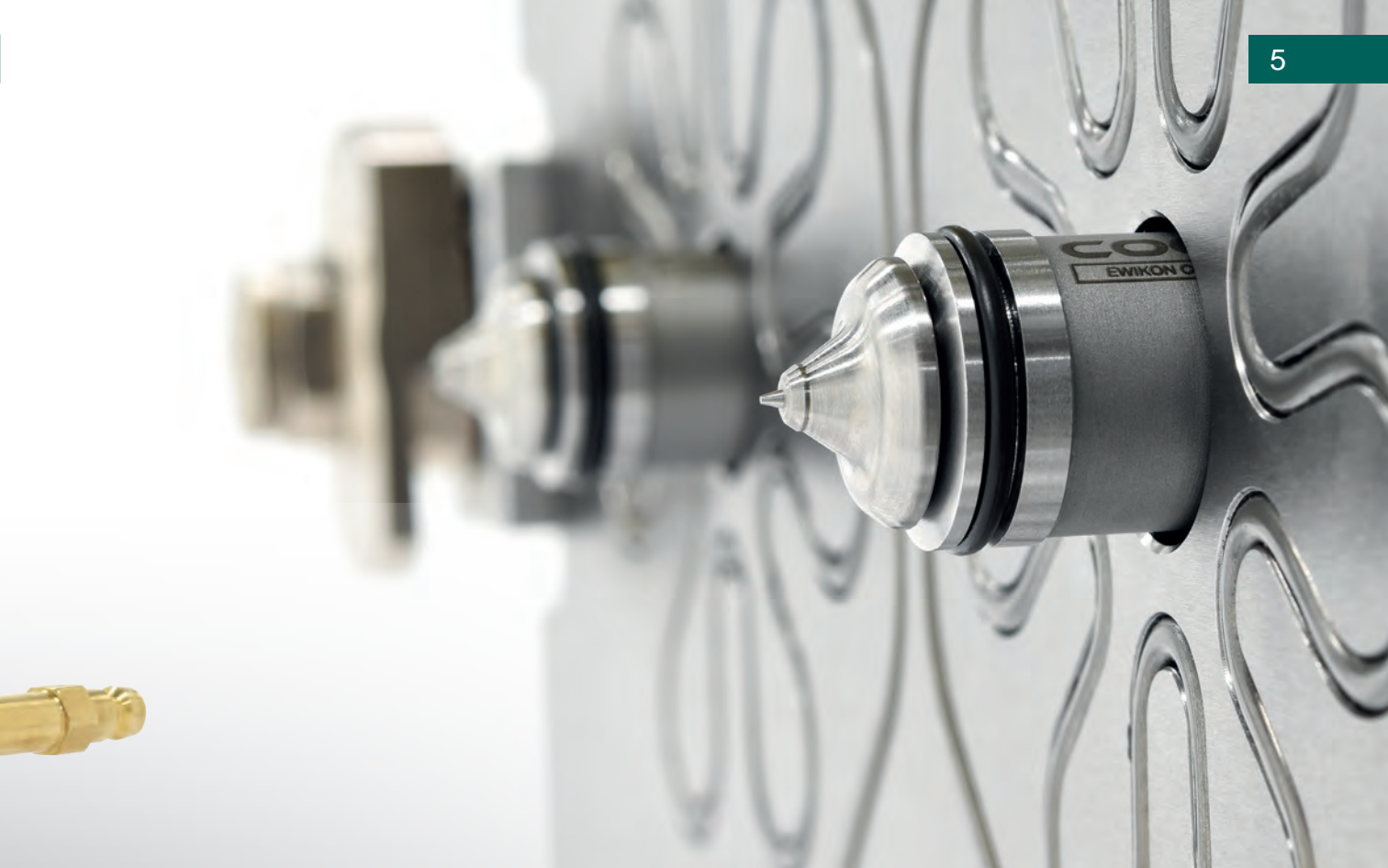


Perfect fine-balancing of the cavity filling

Conical valve pins combined with high-performance electric drive valve gate technology allow a precise fill control of each single cavity as well as a reliable sealing of the gate.



The stroke of each valve pin can be individually adjusted in steps of 0.01 mm. This allows a most precise fine adjustment of the flow gap.



Technical service and support

For material trials our modern technical centre is equipped with an injection moulding machine for LSR processing with a clamping force of 1000 Mpa. For conducting a trial only a small amount of material (from 1 litre) is required. Furthermore, our experienced team of application engineers provides on-site support for the start-up of new moulds as well as assistance in troubleshooting and maintenance.



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