

SMART OPTIONS FOR POLYMAT.



Optimization of setup times

Minimizing setup times plays a pivotal role in cost reduction within manufacturing. Our objective is to streamline the setup process for enhanced efficiency. Through our Smart Options for Polymat machines, Leistriz provides optimal solutions to facilitate flexible and cost-effective production, ensuring reliable processes.

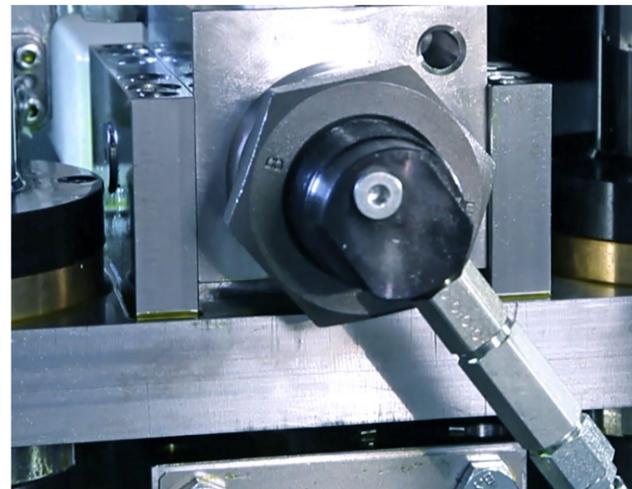
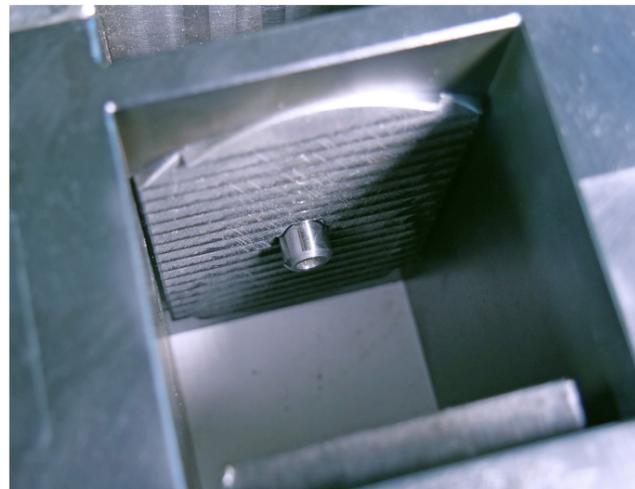
Hydraulic clamping systems

Accurate tool positioning is fundamental for maintaining high-quality keyseating processes and is critical in setup time reduction. The cutter guide bar is controlled by a positioning location pin for precise installation, eliminating the need for re-adjustment. Furthermore, an automatic clamping system allows for securing the cutter guide bar, enhancing setup efficiency and safety.

Our new hydraulic die clamping system simplifies the process further, enabling hydraulic clamping of the cutter bar and feed rod with a simple button press.

Your Benefits

- Automatic centering eliminates time-consuming tool center searches.
- Prevents adjustment errors that may result in cutter/tool breakage.
- Ensures correct height alignment between the cutter bar and feed bar.
- Faster and safer clamping of cutter bar, and feed bar.
- Eliminates the need to reach into the machine.
- Eliminates the manual determination of the tool zero position.



Pneumatic clamping bracket

The two-part keyseating tool, comprising a cutter bar and a feed bar, used to require manual adjustment of pretension using a spring-loaded clamping bracket, which was prone to errors and relied heavily on operator experience.

The installation of a pneumatic clamping bracket now allows the control system to precisely set the optimal pretension, ensuring consistent and reliable tool clamping with repeat accuracy.

Zero point measurement of the X-axis

The measuring surfaces, located on the back of the guide bar, define measurements to the tool center. Once the tool is installed, measurements are taken from this surface to the cutter cutting edge.

This measurement value then feeds back to the control system and compares it to the stored nominal value, automatically adjusting the X-axis to the ideal starting position.

Your Benefits

- No more tedious, manual zero position searching using shims.
- Easy and secure zero-point fixing, especially in blind holes, without the need for touching shims.



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