

Machine tooling technology

Manual clamping system
+ Minimal machine setup times
+ Maximum productivity

THE KNOW-HOW FACTORY

WÖRNER CLAMPING SYSTEM

MINIMAL MACHINE SETUP TIMES – MAXIMUM PRODUCTIVITY

In modern production processes, factors like efficiency and flexibility are increasingly important. For injection molding companies, maintaining flexibility is a never-ending challenge. It facilitates production of shrinking batch sizes, reduces inventory, and enables fulfillment of just-in-time orders. Minimizing machine setup times and saving time in the retooling process are major factors in achieving flexible production processes, bringing greater productivity and value to proven operations.

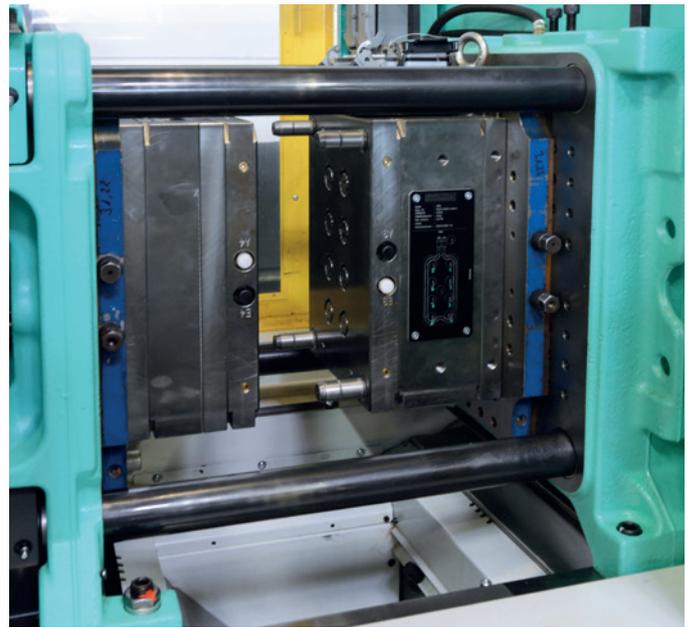
ADVANTAGES (OF USING THE WÖRNER CLAMPING SYSTEM)

► COMMERCIAL

- + Short machine down times as a result of a significantly shortened changeover process
- + An accelerated clamping procedure compared to traditional clamping methods
- + Tool savings (centering ring/thermal insulation panel)
- + A more cost-effective solution than comparable competing systems
- + Low maintenance costs

► TECHNICAL

- + Automated handling tasks produce benefits as a result of the high levels of precision during the tool exchange
- + High tool temperatures are possible
- + The use of thermal insulation panels and aluminum tools is possible
- + Low changing device height – 30 mm or 36 mm with thermal insulation panels
- + Simple and highly accurate tool assembly on the machine due to the cones and pins
- + Existing tools can be retrofitted easily
- + Can be used for virtually any machine type
- + High stability, load carrying capacity and low wear
- + Secure change process and easy tool storage
- + Preheating station, separation layer, vario system and 90° rotation is possible
- + Direct installation into existing machine plate is possible
- + -Additional possible applications, die-casting, press fitting, plastic welding



The quick-change plate is adapted to the machine plate; threaded holes and fastening according to machine type. Holes for cooling water distribution are machined into the corners of the quick-change plate.

A special storage system was also developed in conjunction with this clamping system; refer to separate brochure. Installation instructions for introducing attachment holes into the clamping plates of the injection mold are provided as accessories.

THE SCOPE OF DELIVERY FOR ONE MACHINE CONSISTS OF:

- + 2 ready-to-install quick-change plates with installed closing eccentrics
- + 1 adapter
- + System keys
- + Screws for fastening the quick-change plates to the machine