



Machining systems for the production
of parts for the lock industry

Mikron Machining Systems

Economic solutions for the Lock Industry

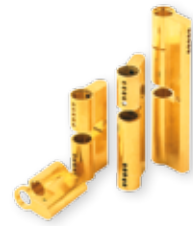
Modern production of lock components requires machining systems which offer high output, accuracy and flexibility. In most cases lock components can be grouped into families in which the only variable is the length, the position and number of the pin holes.

The state-of-the-art designed Mikron Machining Systems are the perfect answer to meet all the requirements for the economical production of **Cylinder Lock Bodies**, **Lock Plugs**, **Padlock Bodies** and **Safety Pins**.

CYLINDER LOCK BODIES

Requirements

- Big volumes
- High flexibility
- High accuracy
- Reliable repeatability



Solution

- **Multifactor** machining system with CNC controlled or mechanically driven working stations where flexibility is not essential. Production rate up to 10 parts/min.
- **Mikron NRG** where high flexibility and high productivity are required.
- **Mikron VX-10 systems** where pre-machining and flexibility is needed. Ideal for small to medium size bodies machined directly from bar-stock.

LOCK PLUGS

Requirements

- Drilling and milling operations on the entire circumference
- Automatic, programmable positioning
- Machining of different blank sizes
- 5 axis machining for the new high-tech plugs



Solution

- **Mikron VX-10 systems** for complete machining of different plugs starting from same bar-stock.
- **Multifactor** machining system with CNC controlled or mechanically driven working stations where flexibility is not essential. Production rate up to 10 parts/min.
- **Mikron NRG** where flexibility, high productivity and 5 axis machining are required.

SAFETY PINS

Requirements

- Big volumes
- Small sizes
- High precision



Solution

Mikron VX-10

- Complete machining of different pins simultaneously starting from same coil
- Automatic unloading of finished pins in sorting basket with up to 24 positions
- Up to 1000 pins/h including parts measuring

MIKRON VX-10

Where great flexibility is needed

- Machining on 6 sides, from bar, wire or blank
- Full CNC high-precision rotary transfer machining with 10 workstations for variable production batch sizes
- Ideal for batch sizes starting from 100 parts
- Maximum workpiece dimensions of up to 40x40x80 mm (optional 40x40x160 mm)
- Up to 18 machining units working simultaneously



MIKRON MULTIFACTOR

The classic performer

The Multifactor transfer machine cleverly combines high precision with low-cost productive performance. At the same time, the machine's modular structure ensures long-term universal use. Multifactor gives you a high-capacity system that keeps its value over time.

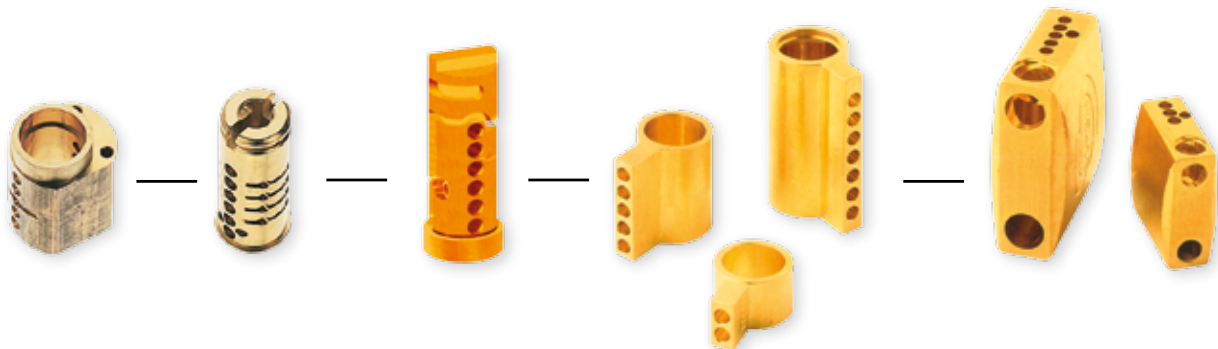
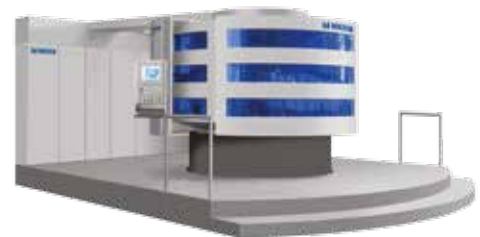
- High-precision rotary transfer machine with 12 or 15 stations for workpiece sizes of up to 100x100x100 mm
- Machining from wire, bar or cast blanks
- System reconfiguration at reasonable cost both today and tomorrow
- Complete machining without reclamping



MIKRON NRG

The New generation of transfer machines

- Full CNC high-precision rotary transfer machine with 12 stations and up to 30 working units machining simultaneously
- For extremely high-precision workpieces up to 50x50x50 mm or cylindrical pieces up to Ø 35x70 mm
- Complete 6-sided machining possible



Mikron Machining Your contacts

Headquarter

Mikron SA Agno

Via Ginnasio 17
CH-6982 Agno
Tel. +41 91 610 61 11
Fax +41 91 610 66 80
mag@mikron.com

Mikron GmbH Rottweil

Berner Feld 71
D-78628 Rottweil
Tel. +49 741 5380 0
Fax +49 741 5380 580
mro@mikron.com

Mikron Corp. Monroe

200 Main Street
P.O. Box 268
Monroe, CT 06468 / USA
Tel. +1 203 261 31 00
Fax +1 203 268 47 52
mmo@mikron.com

