

Refrigerator Compressors

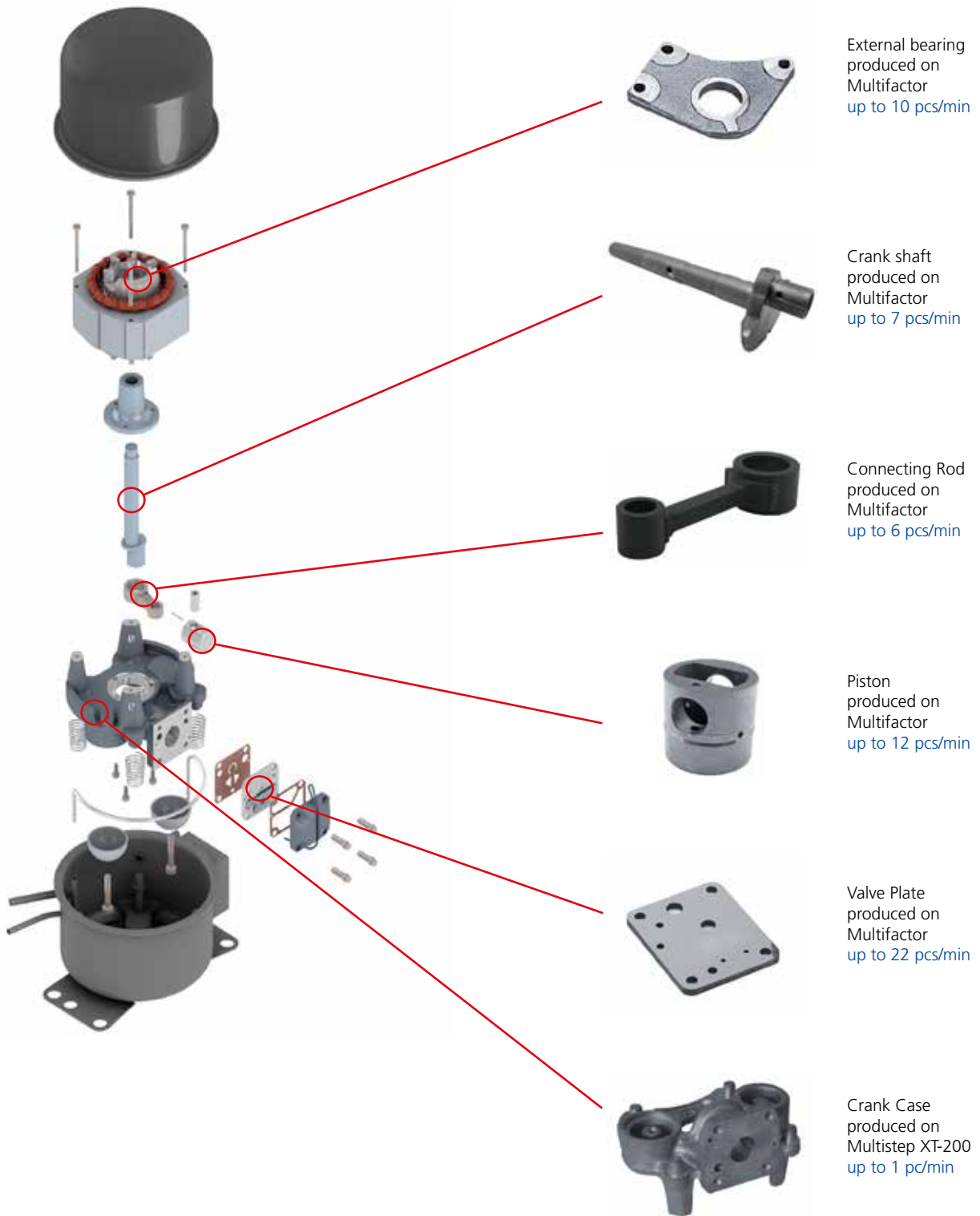


Machining systems for the production
of refrigerator compressors



Mikron Machining Systems

For the production of compressor components





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 100 x 100 x 100 mm
- Machining from wire, bar or cast blanks
- System reconfiguration at reasonable cost both today and tomorrow
- Complete machining without reclamping



Mikron Multistep XT-200 **Advantage through modularity**

- High-precision modular machining center for workpiece dimensions of up to 200 x 200 x 200 mm
- Full CNC simultaneous 5 axis capability, machining on 5 1/2 faces in one clamping
- Chip to chip time less than 1 second
- Modular expandable, 1 loading module serves 1 to 4 machining modules. Each extension with an additional machining module serves exclusively to increase productivity, thus enabling investment in line with the actual output requirements.
- 10-minute changeover time, ideal for changing lot sizes
- Automatic intelligent part loading, with pallet exchanger or robot.
- Manual loading available
- The Loading module performs additional tasks parallel to the main processing time e.g. fully automatic flip over of work piece – for 6 side machining, measuring of blank parts, deburring, cleaning and much more...



Mikron NAM **Machining on 6-sides, from bar or wire**

Full CNC high-precision rotary transfer Machine with 8 or 10 workstations for variable production batch sizes

- Maximum workpiece dimensions of up to 40x40x80 mm
- Complete machining on 6 faces from wire, coil or bar
- 4-axis pre-machining of bar before clamping



Mikron special features for the manufacturing of compressor components

- Possibility of using clamping device with extra jaw opening movement to cover a range of different outside diameters of piston parts. This guarantees an easy and rapid change-over.
- Tool lubrication to obtain optimal cutting conditions and best surface quality.
- Cutting tools, where necessary, designed and manufactured by Mikron Tool to guarantee better tool life and a most economical production run.
- In many cases no subsequent lapping (honing) operation required.

Mikron Machining

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