

Hybrid Chuck MZMF

The perfect combination of mechanic
and magnetic forces.

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RÖHM
driven by technology

Hybrid Chuck MZMF

Quick, concentric and deformation-free clamping is particularly important for easily-deformed workpieces that require turning processing from three sides in a single work step. The hybrid solution enables heavy chipping with a combination of force and magnetic clamps, as well as 3-side finishing. With the newly designed, 30% lighter version, RÖHM makes its customers even more flexible.

Flexibility with construction kit system |

Jaw type: 3 or 6 jaw chucks

Operation: manual or power-operated with medium supply via rotational feedthrough.

Activation of the magnet via plug or scraper ring.

The NC control functions are integrated.

The combined force of two technologies | The hybrid chuck MZMF by RÖHM is a combined 3- or 6-jaw centring chuck with a round magnetic clamping plate, enabling various operations highly flexible and quick. In addition to the precisely centred clamping mechanism for the workpieces known in RÖHM-products, the functions of the new hybrid technology lead to pioneering advantages for your work process.

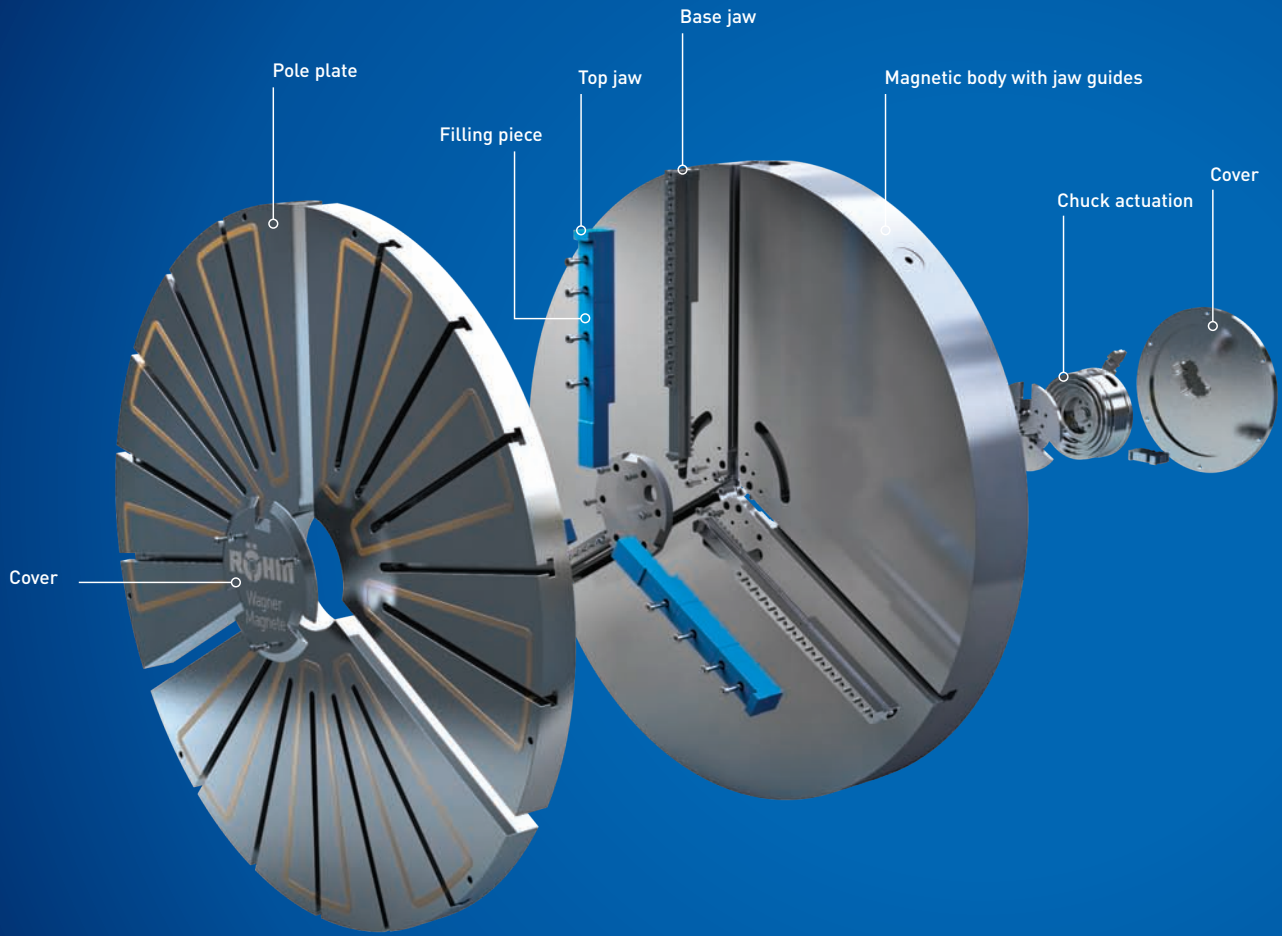
This is how the hybrid chuck works | As so often in pioneering products, the function is astonishingly simple: Workpieces are securely centred and pre-clamped by the centring chuck within seconds. It is inessential whether the part to be processed is to be held from the inside or the outside.

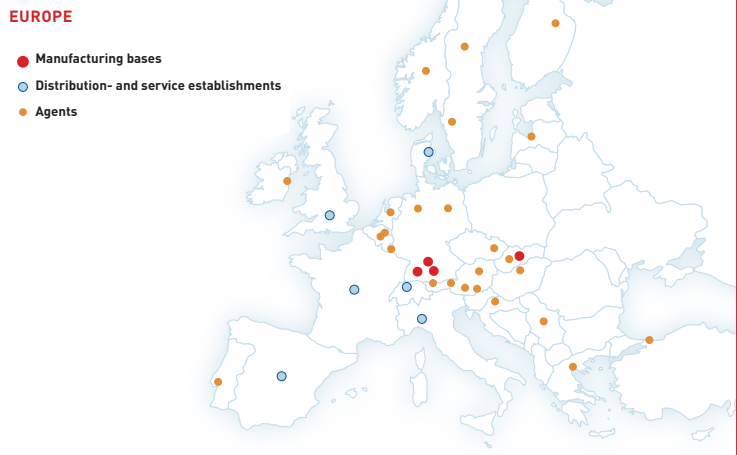
Then the workpiece is tightened with the electrical permanent magnet. This can be done in 16 individually adjustable stages – at a maximum holding power of up to 170N/cm². The magnet is activated via machine control or manually. The radial pole magnets hold the part to be processed evenly and reliably.

After removal of the centring jaws, the workpiece can be freely processed from three sides. The set-up time is up to 80 % below that of comparable alternative technologies. The hybrid chuck MZMF can be individually adjusted to your work process – individual customisation is a RÖHM tradition.

These are the benefits

- Customisable to customer wishes with the construction kit system
- Precise clamping within seconds
- Set-up times reduced by up to 80 %
- Machine downtimes reduced to a minimum
- 3-side processing for turned and ground parts
- 16 individually adjustable adhesive stages
- Even and deformation-free clamping
- Combined magnetic and centring chuck clamp possible
- High process-safety at efficient serial production
- Quick amortisation
- Available at sizes from Ø 200 to 5000 mm





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