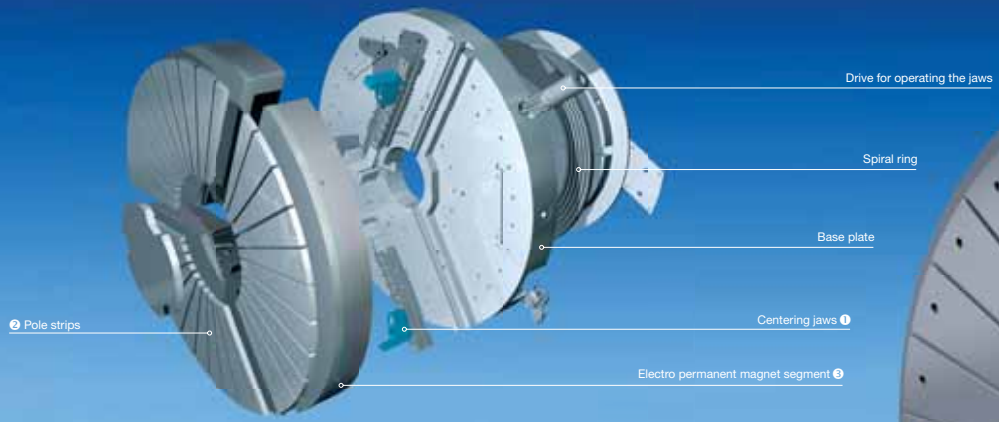
Safely guided by a powerful magnetic force.

Hybrid Chuck MZMF
Maximum flexibility
with minimum effort

ROHM
driven by technology



RÖHM Hybrid Chuck MZMF

Fast, precisely centered and distortion-free chucking is of utmost importance, particularly with easily deformable work pieces, which require turning operation from all three sides within a working setup. This also applies to the precision machining of rings and other components that are difficult to grip, on which various turning and grinding operations must be performed.

The Hybrid Chuck MZMF by RÖHM is a combined 3-jaw self-centering chuck with a round magnetic clamping plate, which enables you to perform fast and highly flexible diverse operations. Along with the well known products from RÖHM, precisely centered chucking of workpieces result in trend-setting advantages for your machining process through the functions of the new technology.

The Function of the Hybrid Chuck MZMF

As is often the case with pathbreaking products, the function is surprisingly simple: Diverse workpieces of varying sizes and contours can be precisely centered and pre-loaded in seconds by the 3-jaw self-centering chuck ❶. It makes no difference whether the component to be machined should be held from inside or outside.

Subsequently, by means of an electro clamping magnet ❷, the workpiece is firmly tightened to the magnetic clamping plate. This can take place in 16 individually adjustable steps, with a maximum holding force of up to 150N/cm². The plug providing the power supply can now be disconnected. The radial pole magnets ❸ grip the workpiece uniformly and reliably.

After the centering jaws are removed, the workpiece can be machined freely from three sides.
And all this, with a setup time that is up to 50% less than comparable alternative technologies.
Of course, the Hybrid Chuck MZMF can be individually designed to facilitate your machining process, because individualization is a long-standing tradition at RÖHM.

Product advantages

- Split second, precise gripping
- Reduced setup time of up to 50%
- Machine idle time is reduced to a minimum
- 3-side machining for turning and grinding components
- 16 individually adjustable steps of magnetic force
- Uniform and deformation free chucking
- Combined magnet and self-centering chuck clamping possible
- High processing safety for rational series production
- Quick amortisation
- Available in all sizes

Hybrid Chuck MZMF

- 3-jaw self-centering chuck with a round magnetic plate

Dimensions Ø	1250 mm (available in all possible sizes on request)
Max. centring force	23 kN (with an initiated torque of 90 Nm)
Max. permitted speed	500 rpm
Max. magnetic holding force	150N per cm^2
Holding force regulation	adjustable in 16 steps on control device
Power supply	by means of removable plug
Weight	2.000 kg

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