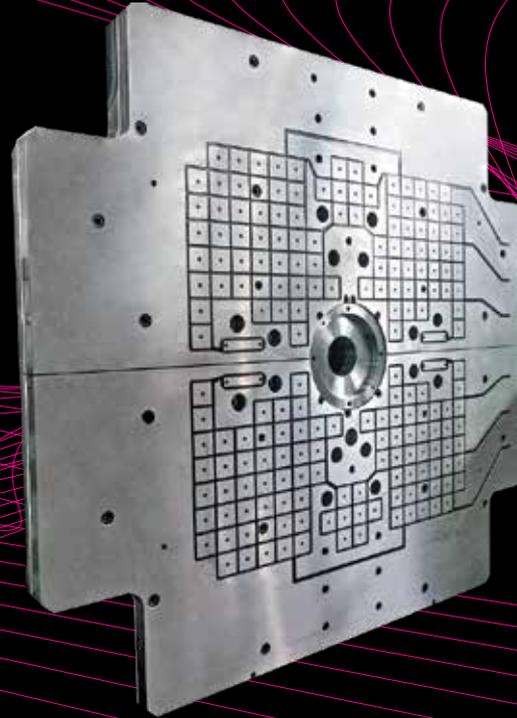


ROEMHELD
HILMA ■ STARK



Magnetic Clamping Systems

M-TECS P

for plastics processing

from



Rivi Magnetics® Magnetic Clamping Systems

M-TECS P



Quality and Experience

ROEMHELD stands for productive solutions in industrial production technology, clamping technology, assembly, and drive technology. Rivi Magnetics' innovative technology complements the portfolio in terms of magnetic clamping systems. Thanks to its strong research and development department, Rivi Magnetics has international patents that qualify it as an experienced professional in magnetic clamping technology.

Customer benefit of magnetic clamping systems



ROEMHELD
HILMA ■ STARK

QUICK

Moulds are clamped
in one second at the
touch of a button

PROFITABLE

Setup cost optimization
by mould change
in a few minutes only

FLEXIBLE

Standardization
of moulds no longer
required

ERGONOMIC

Safe mould handling
with ease

RELIABLE

Constant magnetic
clamping force even in
case of power failure

SAFE

Various sensors monitor
the entire clamping cycle

RIVI MAGNETICS® M-TECS P for plastics processing



Technical data

Max. temperature	120 °C (up to 240 °C on request)
Specific magnetic force	18 kg/cm²
Magn. penetration depth	15 – 20 mm
Plate thickness	47 mm
Fixation	as per the existing Euromap grid

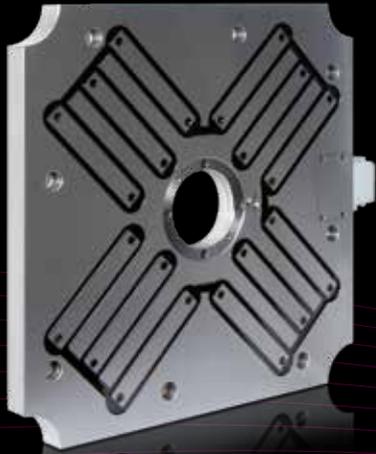
Available for all machine sizes



- **Inductive limit switch**
to identify the mould contact
- **Permanent coil monitoring**
signals minimum mould movement
- **Temperature sensor protects**
the magnetic clamping plates against overheating
- **Force sensor with output on separate**
display or machine panel



Pole technologies

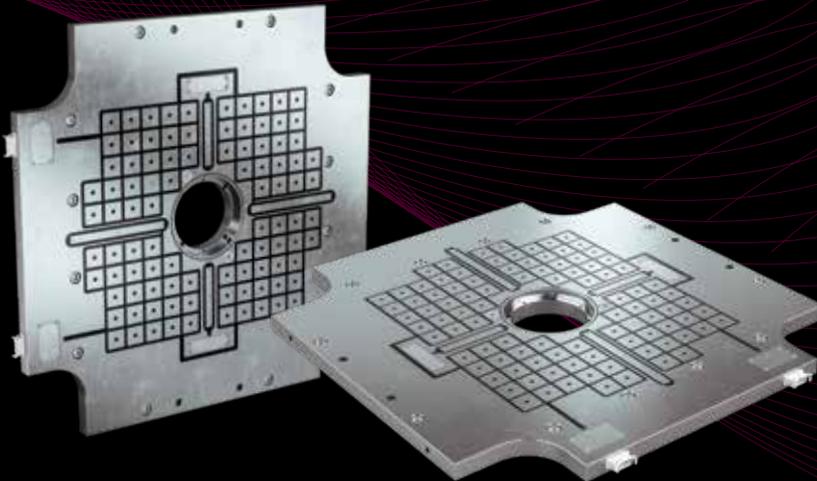
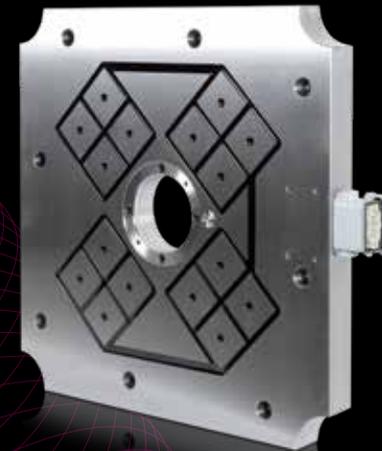


LONG POLE TECHNOLOGY

- Especially suitable for small machines
- Optimum utilization of the available surface by flexible pole arrangement
- Enhanced performance with small moulds due to concentration effect
- Available for maximum operating temperatures of 240 °C

SQUARE POLE TECHNOLOGY

- Especially suitable for large machines
- Maximum magnetic clamping force with full-surface cover
- Available for all machine sizes



COMBINATION

By the combination of long and square poles, Rivi Magnetics combines the advantages of both pole technologies

Electric control M1C / M2C



ROEMHELD
HILMA ■ STARK

Highest safety standards
as per EN201 and EN289

Simple error diagnosis
by readout

IP54 splash-proof

Painting in preferred colour

Exchangeable master module
for easy maintenance

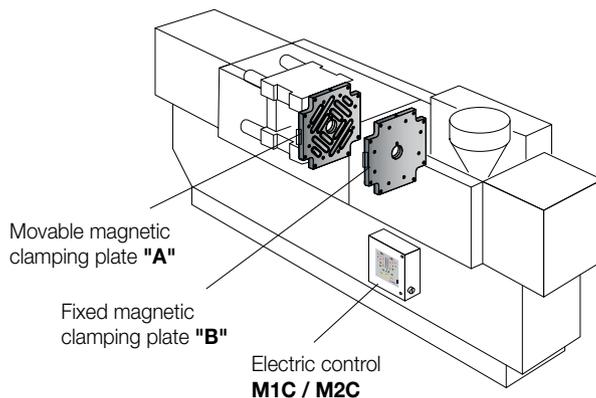
Control via remote control
or machine panel

Easy and safe operation

Error code indication on the LCD display

Integration via
EUROMAP interface

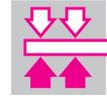
Key switch protects
against unauthorized operation



Movable magnetic
clamping plate "A"

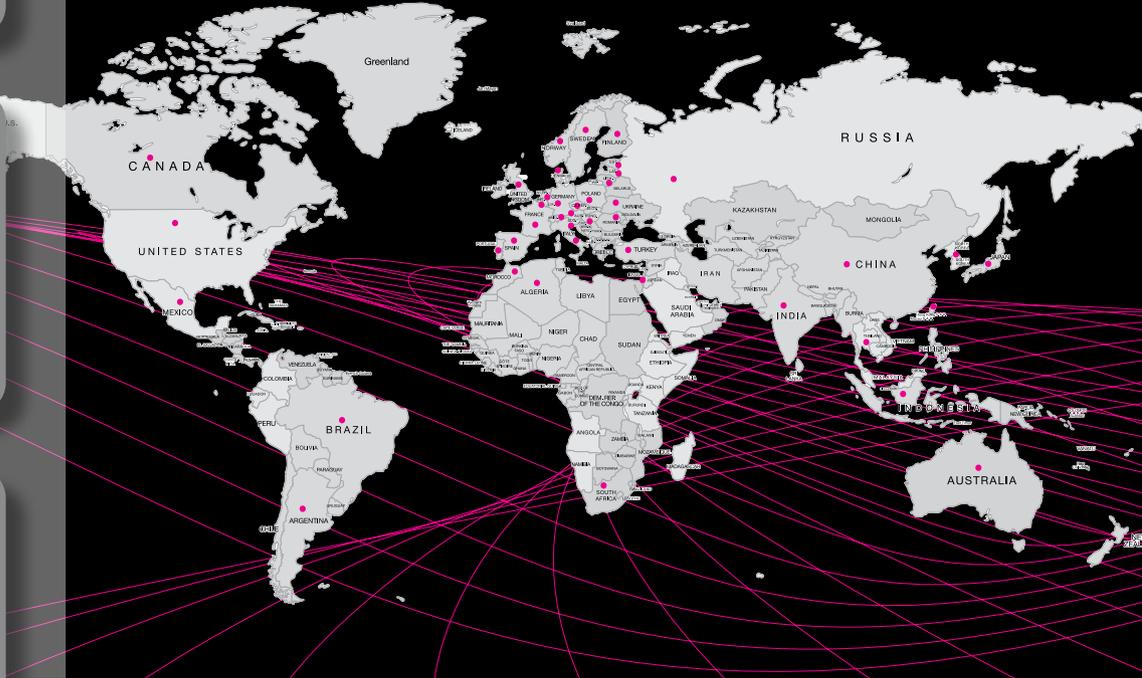
Fixed magnetic
clamping plate "B"

Electric control
M1C / M2C



ROEMHELD
HILMA ■ STARK

Global competence



Magnetic Clamping Systems



Rivi Magnetics® Magnetic clamping systems
M-TECS also available for:

- rubber processing
- metal forming

Hilma-Römheld GmbH

Auf der Landeskrone 2 · 57234 Wilnsdorf-Wilden, Germany
Tel.: +49 27 33 / 281-0 · Fax: +49 27 33 / 281-169
E-mail: info@hilma.de · www.roemheld-group.com

Products for productivity