



ROEMHELD
HILMA ■ STARK



Magnetic Clamping Systems

M-TECS M

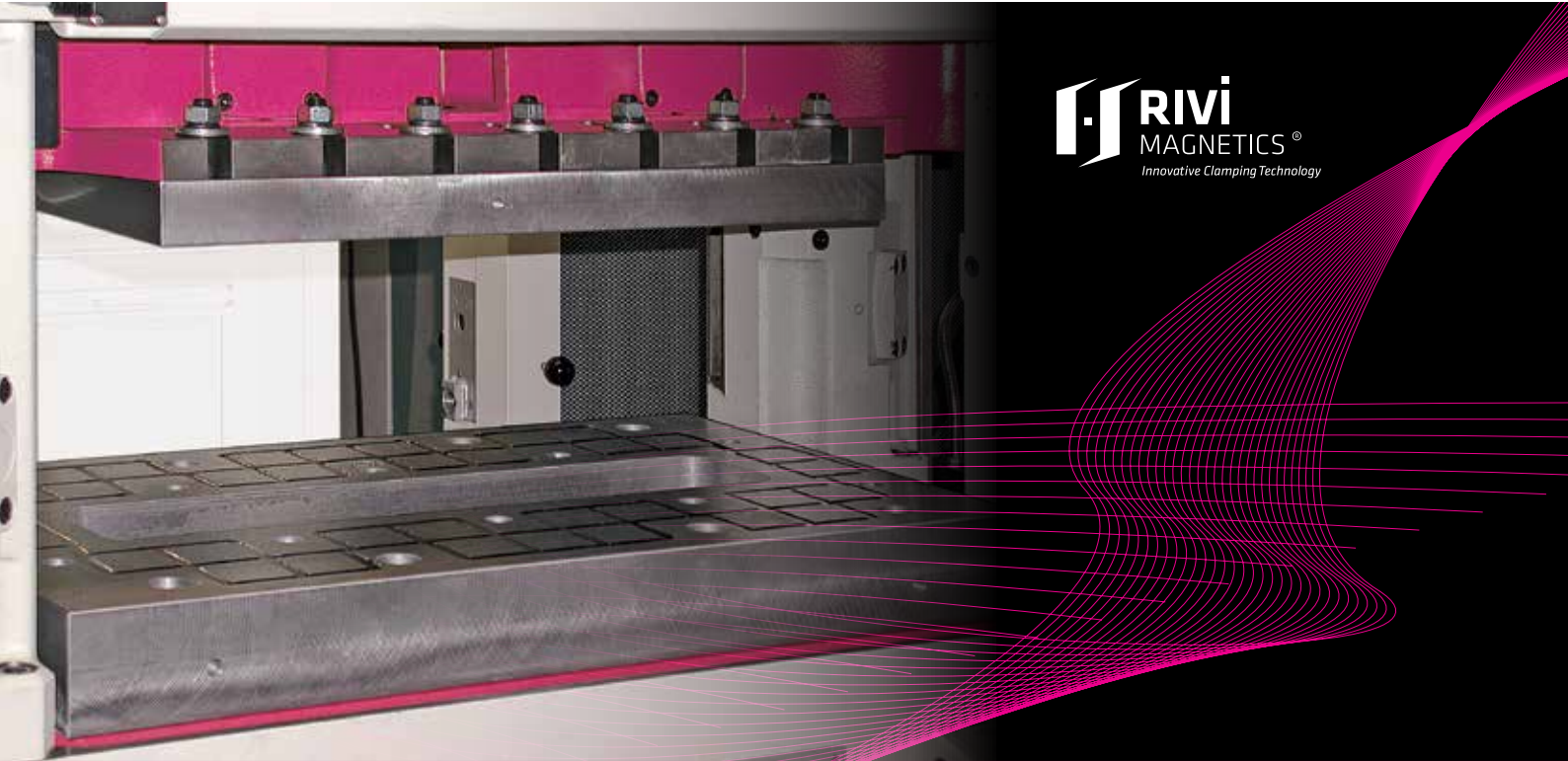
for metal forming

from



Rivi Magnetics® Magnetic Clamping Systems

M-TECS M



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



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QUICK

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

PROFITABLE

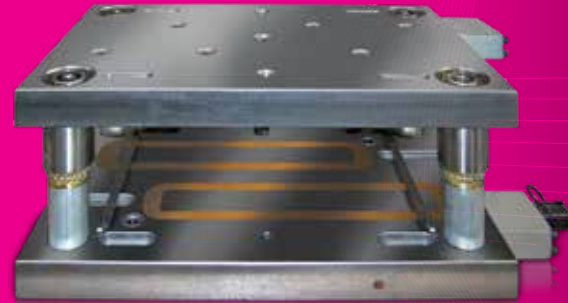
Setup cost optimization
by die change
in a few minutes only

FLEXIBLE

Standardization
of dies no longer
required

ERGONOMIC

Safe die 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 M for metal forming



Technical data

Max. temperature	80 °C (up to 240 °C on request)
Specific magnetic force	18 kg/cm ²
Magn. penetration depth	15 – 20 mm
Plate thickness	min. 55 mm

Available for all machine sizes





- **Inductive limit switch**
to identify the die contact
- **Permanent coil monitoring**
signals minimum die movement
- **Temperature sensor protects**
the magnetic clamping plates against overheating. . . .



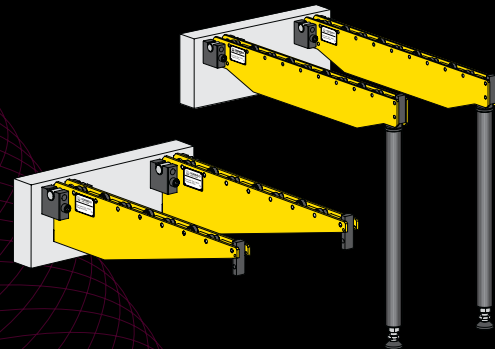
Accessories

DIE CHANGING CARTS

- Safe and easy transport of the die to the press
- Manually or electrically driven
- Up to max.1,600 kg load capacity

CARRYING CONSOLES

- Safe and easy transport of the dies into the press
- In the following versions: hanging, swiveling, supported, and electrically driven



ROLLER OR BALL BARS

- Easy die change without any problems
- No damage to the surface when changing dies



Electric control M1C / M2C



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Highest safety standards
as per EN201 and EN289

Control via remote control
or machine panel

Simple error diagnosis
by readout

Easy and safe operation

IP54 splash-proof

Error code indication on the LCD display

Painting in preferred colour

Integration via
EUROMAP interface

Exchangeable master module
for easy maintenance

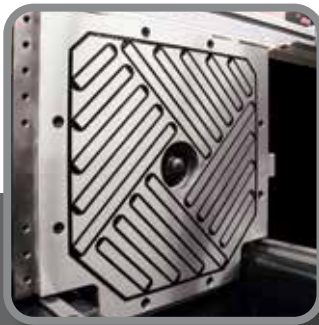
Key switch protects
against unauthorized operation



Movable magnetic
clamping plate "A"

Fixed magnetic
clamping plate "B"

Electric control
M1C / M2C

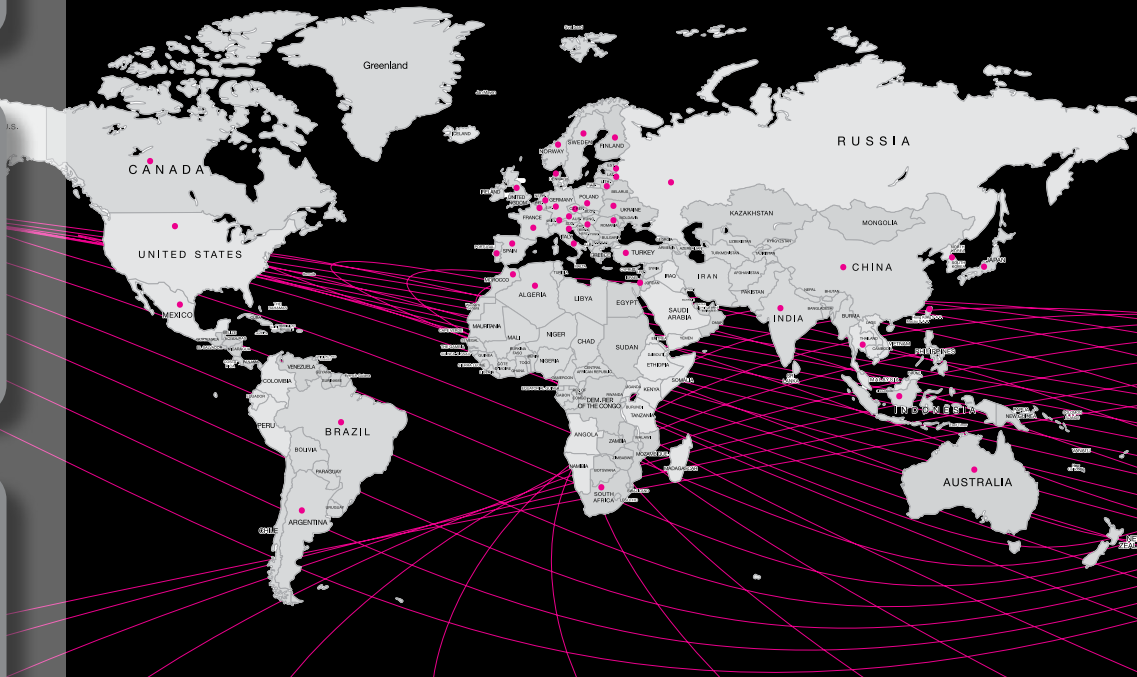


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www.roemheld-group.com

Global competence



Magnetic Clamping Systems



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

- plastics processing
- rubber processing

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