SCHUNK

MAGNOS

5-sided workpiece machining in one set-up

MAGNOS – magnetic clamping technology

Hand in hand for tomorrow



E.M. PRECISE TOOL LTD.

216A Arvin Avenue, Stoney Creek, ON L8E 2L8

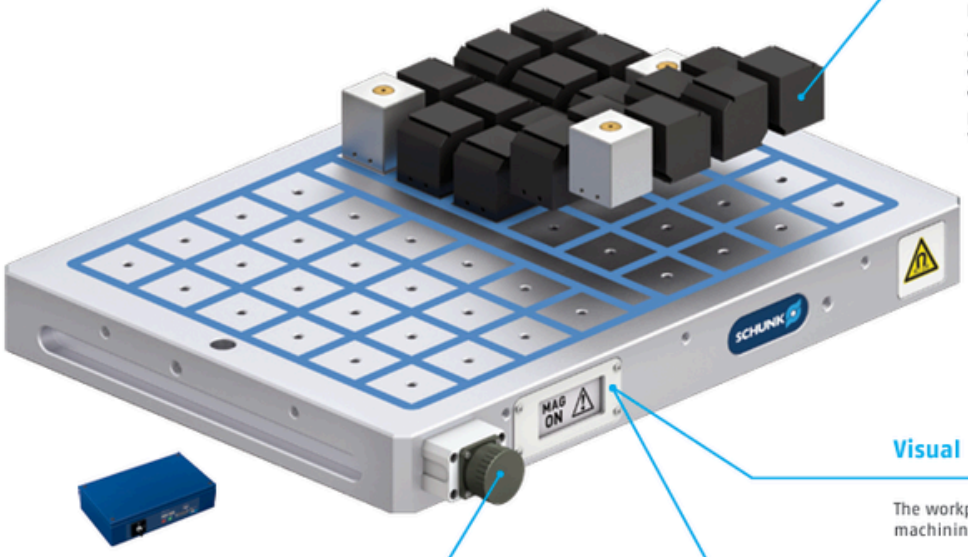
(905) 664-2644 | info@emprecise.com | www.emprecise.com

MAGNOS

Magnetic clamping technology that attracts efficiency. All there, all ready. At a one-time promotional price.

Explore new applications in clamping technology. With MAGNOS magnetic clamping technology from SCHUNK, the leading expert in clamping and gripping technology.

MFRS2 square pole magnetic chucks with extremely high holding forces for milling applications are the ideal clamping solution for powerful metal cutting processes with simultaneous 5-sided workpiece machining in a single set-up.





Pole extensions

In addition to perfect 5-axis accessibility, movable pole extensions ensure that workpieces are clamped without deformation. They can be placed variably and quickly onto the square poles, thereby forming a perfect support for workpieces of different sizes.

Visual display – MAG ON

The workpiece is clamped and machining can start.

Visual display – MAG OFF

The workpiece is not clamped and no machining is allowed to be started.

MAGNOS KEH plus control unit

The KEH plus electronic control unit allows the magnetic chuck to be activated and deactivated. The control unit features a modular construction and enables simple control of up to four or eight magnetic chucks.

The benefi ts at a glance.

- 5-sided workpiece machining in a single set-up.
- Even permanent magnetic clamping force across the entire workpiece.
- Low-vibration and deformation-free clamping.
- Shortest possible setup times and a resulting increase in productivity.
- Clamping within a few seconds.
- Increase in tool service life and process reliability.

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Package 1:
MAGNOS PROMOTION
MFRS2-A1-050
430x430 mm, 460V

ID 1678064

Included
- 1X 1594948, MFRS2-A1-050 430 X 430
- 1X 1610919, VBK2-5 1X4P-1X4P
- 1X 0420660, KEH PLUS 01 460 V/60 HZ
- 1X 0420180, HABE 01

Promotional price* $12,699.00



Package 2:
MAGNOS PROMOTION
MFRS2-A1-050
600x430 mm, 460V

ID 1678066

Included
- 1X 1594949, MFRS2-A1-050 600 X 430
- 1X 1610919, VBK2-5 1X4P-1X4P
- 1X 0420660, KEH PLUS 01 460 V/60 HZ
- 1X 0420180, HABE 01

Promotional price* $14,999.00



Package 3:
MAGNOS PROMOTION
MFRS2-A1-050
600x600 mm, 460 V

ID 678069

Included
- 1X 1594955, MFRS2-A1-050 600 X 600
- 1X 1610919, VBK2-5 1X4P-1X4P
- 1X 0420660, KEH PLUS 01 460 V/60 HZ
- 1X 0420180, HABE 01

Promotional price* $17,999.00



Package 4:
MAGNOS SPECIAL OFFER
MFRS2-A1-050
1,000x600 mm, 460V

ID 1678083

Included
- 1X 1594957, MFRS2-A1-050 1,000 X 600
- 1X 1610919, VBK2-5 1X4P-1X4P
- 1X 0420660, KEH PLUS 01 460 V/60 HZ
- 1X 0420180, HABE 01

Promotional price* $23,999.00

* Promotion valid from End of Q4.
* CSA approval to controller is an extra cost.

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The magnetic clamping system is operated via the machine control system. SCHUNK developed the visual interface in collaboration with the machine manufacturer.



Patented status display: "Green" indicates magnetization status. Now the workpiece is firmly clamped to this magnetic clamping module.



Optimal magnetic clamping technology solution on a gantry



1,000 X 500-millimeter standardized MAGNOS MFRS magnetic chucks

MAGNOS

Magnetic Clamping Plates – Technical Specifications

Package	Designation	ID	Length [mm]	Width [mm]	Height [mm]	Max. clamping force [kN]	Number of poles	Connection	Number of channels
1	MFRS2-A1-050 430X430	1594948	430	430	66	141	36	4-PIN	1
2	MFRS2-A1-050 600X430	1594949	600	430	66	188	48	4-PIN	1
3	MFRS2-A1-050 600X600	1594955	600	600	66	251	64	4-PIN	1
4	MFRS2-A1-050 1000X600	1594957	1,000	600	66	377	96	4-PIN	1

Pole Extensions – Technical Specifications

Package	Designation	ID
5	PVF 50-20	1547810
6	PVF 50-54 + PVB 50-54	1547811
7	PVB 50-54	1547812

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Available for iOS, Android or as a web-based version.

Try out the new MAGNOS app

Makes everyday work with MAGNOS magnetic chucks easier with the simple calculation of holding forces

- Simple calculation of the holding forces on the PC (web-based version) or via the app.
- Optimization of the manufacturing process through prior estimation of the machining data.
- For SCHUNK MFPS, MFRS, MGT and MTR magnetic chucks.

It's that easy:

Please send an email with the following information:
Company name, first and last name,
position, email address.

To: **orders@ca.schunk.com**

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