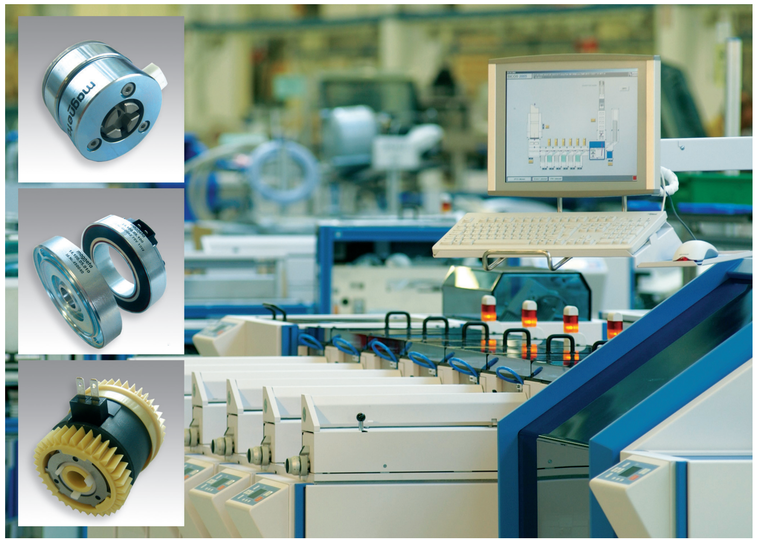

The company

magneta GmbH & Co. KG, established in 1999 through a management buy-out from the Lenze group, joined the Kendrion group in February 2010. Today's Kendrion Magneta GmbH , an innovative medium-sized company, continues to develop and produce electromagnetic clutches and brakes for the industrial drive technology. We also supply magnetic particle clutches and brakes.

Our small high-quality electromagnetic clutches and brakes extend the product range offered by Kendrion Binder Magnete GmbH in the business segment Industrial Drive Systems (IDS) and therefore efficiently meet the requirements regarding accelerating, decelerating, positioning, holding and securing movable drive components and loads in the small torque range.

The name Magneta is synonymous for technical expertise and outstanding quality in the implementation of customer requirements. We develop individual solutions for special applications in close cooperation with our customers and implement them fast and efficiently. We see our customer base as a validation of our corporate philosophy since many multinational companies place trust in us.

The present brochure provides a short overview on our standard product range.

KENDRION

WE MAGNETISE THE WORLD

Kendrion Magneta GmbH

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31855 Aerzen
Germany

Phone: +49 5154 9531-31
Fax: +49 5154 9531-41
info@magneta.de
www.magneta.de

More Kendrion Industrial Drive Systems products, for example...

- Electromagnetic brakes
- Electromagnetic clutches
- Spring-applied brakes
- Permanent magnetic brakes

from a diameter of 60 mm are available from

Kendrion Binder Magnete GmbH
Industrial Drive Systems

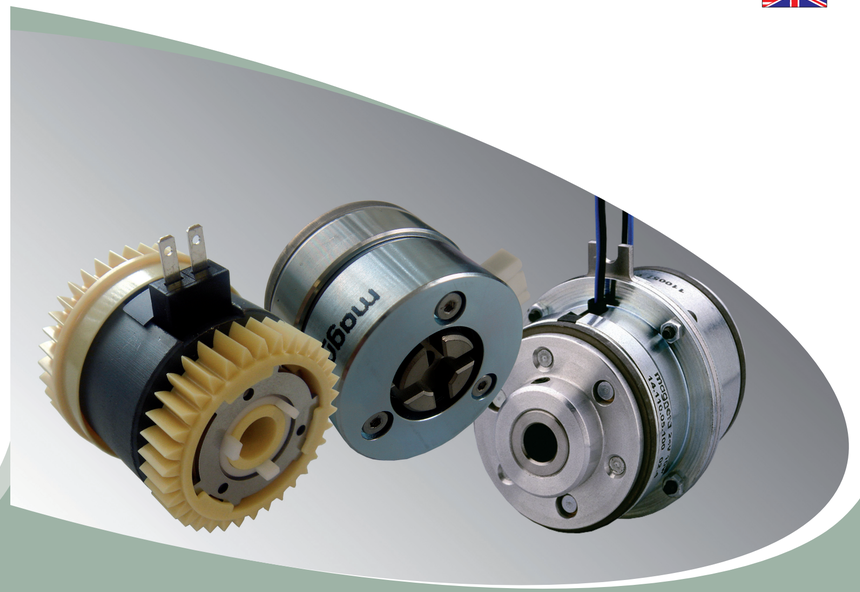
Mönchweilerstrasse 1
78048 Villingen-Schwenningen
Germany

Phone: +49 7721 877-1417
Fax: +49 7721 877-1462
sales-ids@kendrion.com
www.kendrion.com

KENDRION

WE MAGNETISE THE WORLD

INDUSTRIAL DRIVE SYSTEMS



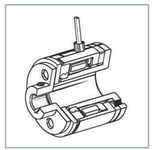
Product range

Clutches and brakes up to ø 60 mm

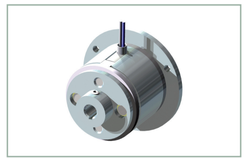
magneta

BINDER

Applications and industries

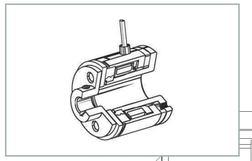
	**Money handling**		**Medical technology**
	**Paper processing machines**		**Textile machines**
	**Sports and leisure equipment**		**Woodworking machines**
	**Machine tools**		**Door and gate operators**
	**Access control equipment**		**Printing machines**
	**Mail processing machines**		**Customised applications**

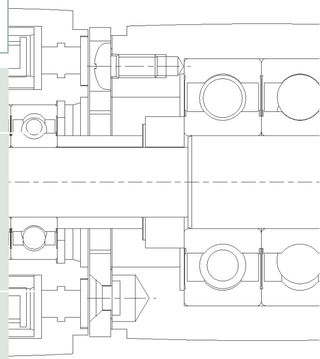
Product	Electromagnetic clutches EMK	Electromagnetic brakes EMB
Type	14.100	14.110
Design	Electrically closed	Electrically closed
Application examples	▪ Safety function ▪ Opening a drive line ▪ Switch-in function	▪ Working current holding function
Number of sizes	4	4
Rated torque range M_k (Nm)	0.3 – 3.6 Nm	0.6 – 4.5 Nm
Electrical connection (standard voltage)	24 VDC	24 VDC
Special features:	▪ Backlash-free ▪ Free of residual torque	▪ Backlash-free ▪ Free of residual torque



Product	Permanent magnetic brake PM	Clutch-brake units KBK
Type	14.120	14.200
Design	Electrically released	Electrically closed
Application examples	▪ Industrial motors / Servo motors ▪ Gate drives ▪ Geared motors ▪ Closed-circuit current holding function	▪ Synchronising small masses
Number of sizes	3 currently being designed	2
Rated torque range M_k (Nm)		Clutch 1.8 – 3.6 Nm Brake 2.2 – 4.5 Nm
Electrical connection (standard voltage)	24 VDC	24 VDC
Special features:	▪ Backlash-free ▪ Free of residual torque	▪ Backlash-free ▪ Free of residual torque

Product	Magnetic particle clutch	Magnetic particle brake
Type	14.502	14.512
Design	Electrically closed	Electrically closed
Application examples	Rewindings	Unwindings
Number of sizes	6	6
Rated torque range M_k (Nm)	10 – 320 Nm	10 – 320 Nm
Electrical connection (standard voltage)	24 VDC	24 VDC
Special features:	▪ Torque is adjustable through the current ▪ Horizontal mounting position	▪ Torque is adjustable through the current ▪ Horizontal mounting position





Product	CUSTOMISED APPLICATIONS
Individual customised solutions	▪ Based on existing standard product platforms ▪ From minor to major adjustments / adaptions ▪ According to specific customer requirements
Tailor made solutions and applications	▪ Comprehensive dimensioning of new components based on individual customer specifica-tions