

Product Catalog

Magswitch Automation Tools

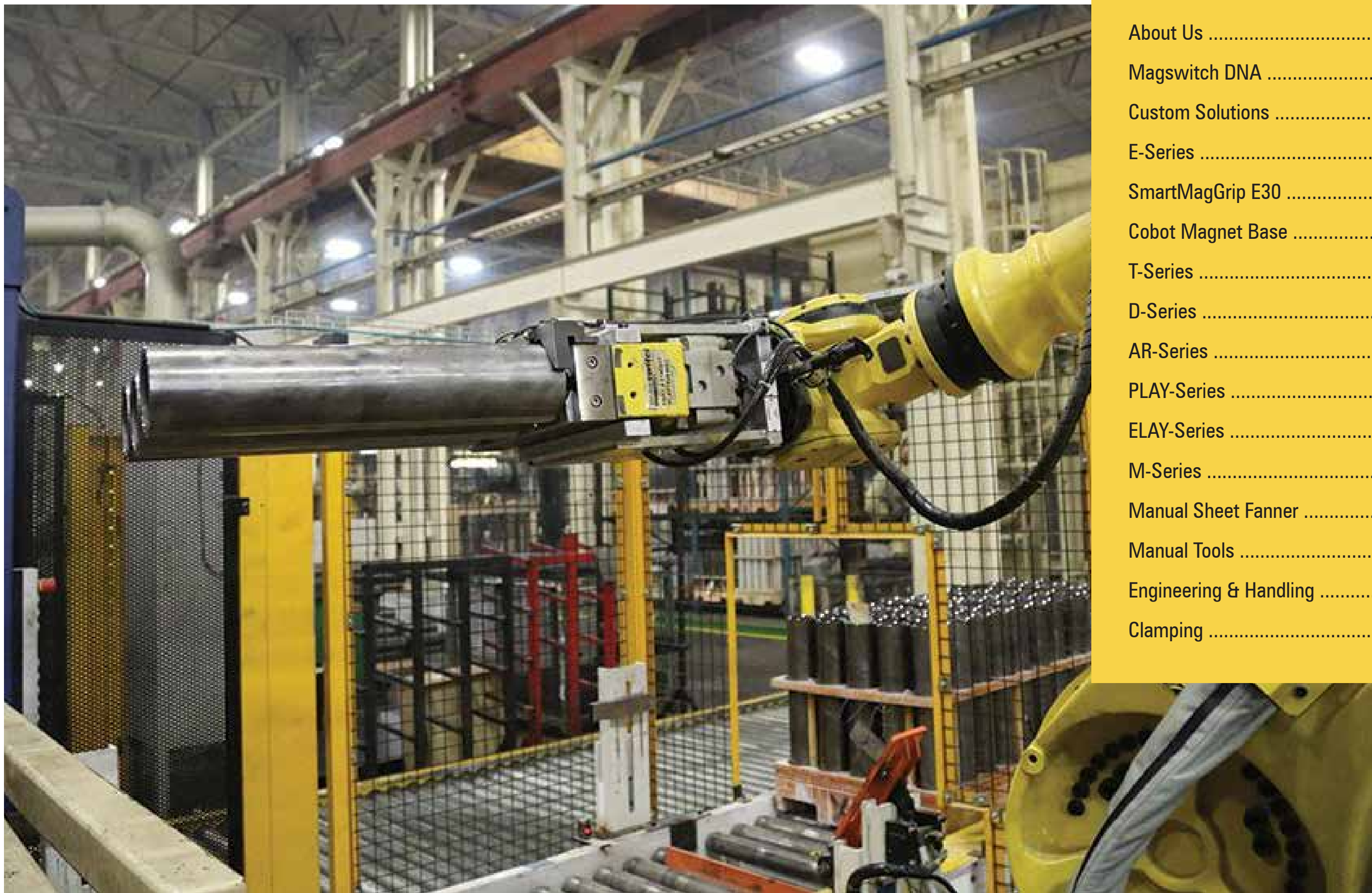


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About Us



Technology that attracts™

Magswitch Technology has evolved from a single technology company with a focus on welding and wood products in North America to a Global company with more than 65 patents world-wide and a major supplier to Automotive Infrastructure and Industrial resource industries on three continents. As we continue to expand with new technologies in more complex Lifting systems, Robotics, Cobotics tools, operating software and developing onshore manufacturing, we do so with a clear corporate objective. We want to be with our customers “At every step of the way”. The small business that buys a 300amp ground clamp today, will want safer lifting and positioning tools, will have an interest in simple automated systems, some eventually to partial or fully automated welding and fabrication. Magswitch is at each step with the best gripping technology and partnerships with major OEMs and integrators to deliver a seamless solution, be it sheet leveling, smart cutting table unloading or fully automated fabrication and parts handling. We will not lose sight of our core business commitments, to **increase safety productivity and efficiency** to ensure our **products meet or exceed the expectations** of our valued customers. Our mission is to ensure we continue to develop new solutions ahead of industry needs.



Benefits

- 100% Fail-safe technology
- True On/Off
- Magnet stays clean
- Magnets do not require an electrical power source
- Stronger & scalable force allows a better control
- Precise positioning



Sustainability

Magswitch products are a green technology utilizing the enduring power of rare earth magnets with low energy consumption.

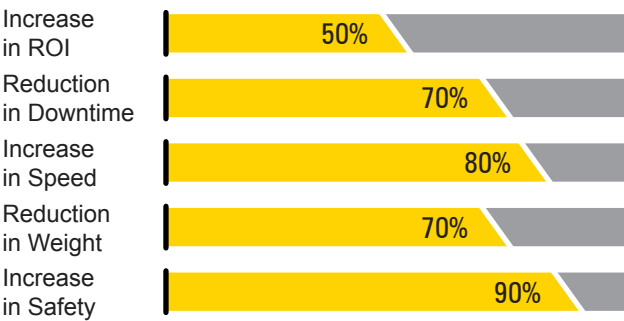


Safety

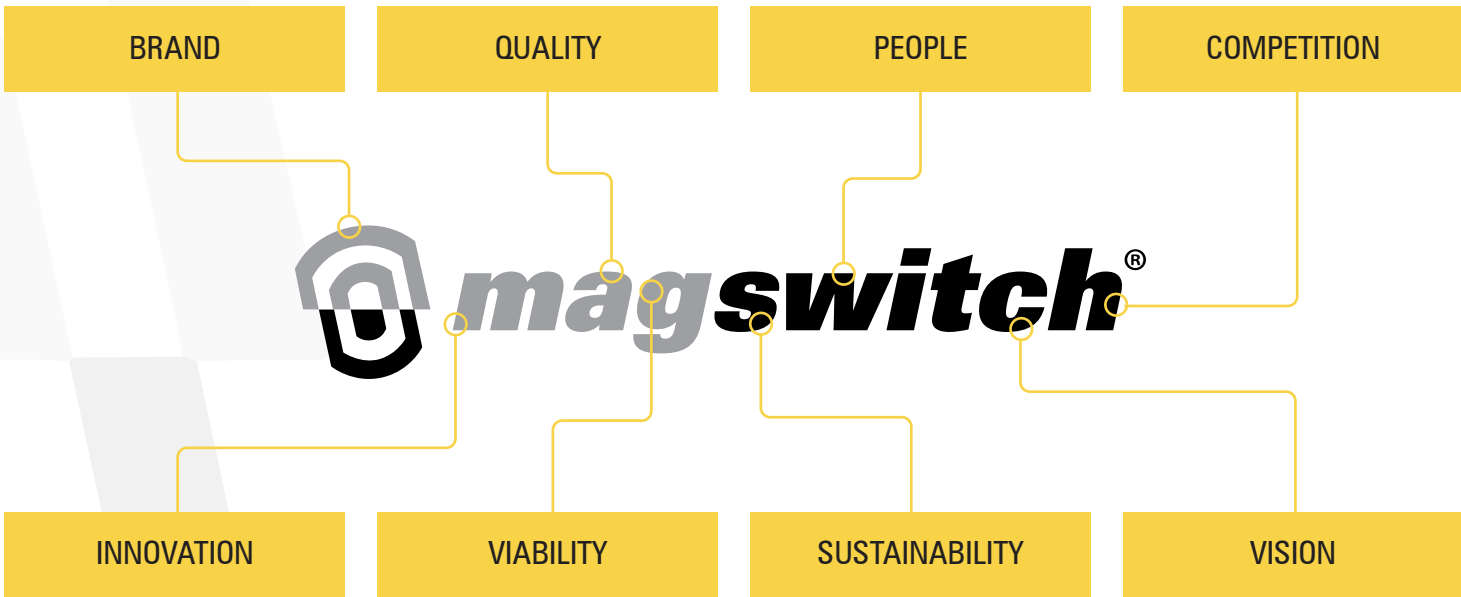
We consider safety in everything we do. If you work around steel, safety is the first consideration. Fewer hands on the job touching steel means a safer workplace. Safety is crucial to our products – easy actuation, lighter lifting, stability control and lift-to-shear capabilities all tie back to an emphasis on safety.



Our Success



Magswitch DNA



Magswitch Technology, headquartered in Colorado, USA, is a leader in switchable magnetic technology. From initial development, design and engineering to manufacturing, final delivery and distribution, Magswitch has paved the way for innovation in multiple industries across the globe.

Magswitch has evolved from manufacturing magnetic tools to engineering innovative technology to increase safety, productivity and speed in industries such as welding, fabrication, automation, manufacturing, heavy industry, woodworking and more.

With numerous patents and patents pending in all industrialized markets across the globe, Magswitch has evolved into a global integrated business. We are committed to a business model that identifies key industry partners, allowing the corporation to leverage its technology and products through recognized global distributors.



Visit our webshop! www.mag-tools.eu



Pole Shoe Variants

Our products are available with different pole shoe variants:

- Flat
- Round
- Irregular



High-Heat-Tools

Magswitch tools are also available as a High-Heat-Variant.

Simply contact cs@magswitch.com for further information.



Accessory Products

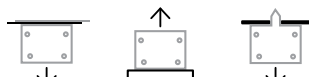
Take a look at our accessory products for various Magswitch tools.

Please contact cs@magswitch.com for further information.



Custom Pole Shoes

In addition, you have the possibility to develop custom made pole shoes to guarantee the best holding force.



Various Part Handling

Our products can be used for different handling applications:

- Clamping
- Gripping
- Positioning

At Every Step Of The Way

Need a custom product? Simply follow these 3 steps:

In addition to groundbreaking products, Magswitch offers the expertise and resources to assist customers with their design and application challenges. Contact one of our knowledgeable sales representatives for advice on fixture, pole shoe, guarding and multiple magnet designs to achieve the best performance possible for your application.

If you need more than a design, we've got you covered in the fabrication department as well- at a fraction of the cost of a machine shop, Magswitch can help you customize a range of components to expand the usability of your tool.

Phase 1: Collection of Application Details & Initial Evaluation

The 6 critical elements to selecting a tool are Material Grade - e.g. AISI 1020, Thickness, Weight, Shape, Motion Profile and Surface Condition - e.g. coatings, treatments and roughness.

Phase 2: Detailed & Customized Proposal

The detailed proposal includes the overview of application details, tool selection, tool placement on target component, pole shoe design suggestion if necessary, accessory design suggestion, magnetic analysis (FEA) if required, and breakdown of safety factor analysis.

Phase 3: Final Design & Delivery

After selecting Magswitch as the specified tool for the application, Magswitch engineers will complete detailed designs for pole shoes and accessories in order to produce and deliver components to meet project timelines.



Contract Manufacturing & Global Disrtibution

- Specialized in manufacturing of complete custom products using common materials and manufacturing processes
- Cooperation from concept design all the way to final product delivery and after-sales- service



Cutting Edge Analysis (FEA)

- Magnetic analysis to confirm holding force and validate poleshoe designs
- One of the most knowledgeable distribution networks and a team of engineers to handle any application presented
- Please contact your local Magswitch for application assistance on every project to account all possible influencing factors



Pin Clamps

- Location accurate pin positioning
- Standard pin clamp pole shoe kits with custom locating pin if necessary
- Custom pole shoe designs



Pole Shoe Technology

- Match geometry of target component
- Improve performance on irregular shapes
- Increased versatility, change shoes to handle a variety of components
- Multiple component shapes can be designed into a single pole shoe
- Optimizes magnetic flux circuit
- Enhances performance when handling non-flat workpieces
- Allows flexibility in multiple profile handling
- Like routing a wire in an electrical circuit, magnetic field follows pole shoe profile

REQUEST PROPOSAL

First Name

Enter Text

Last Name

Enter Text

Email

Enter Email

Phone

eg. +1 (123) 456-7890

Address Line 1

Enter Text

Address Line 2

Enter Text

City

Enter Text

State / Province / Region

Enter Text

Postal / Zip Code

Enter Text

Country

Enter Text

Application Type

Select Application Type

Describe your application process

Enter Textarea

Material Grade or Composition

Enter Text

Width

Enter Text

Depth

Enter Text

Weight

Enter Text

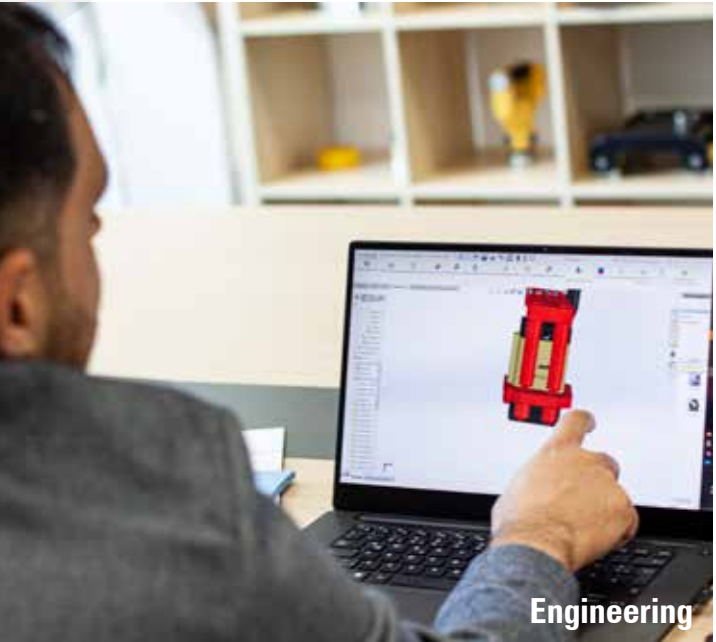
Scan Link

QR Code

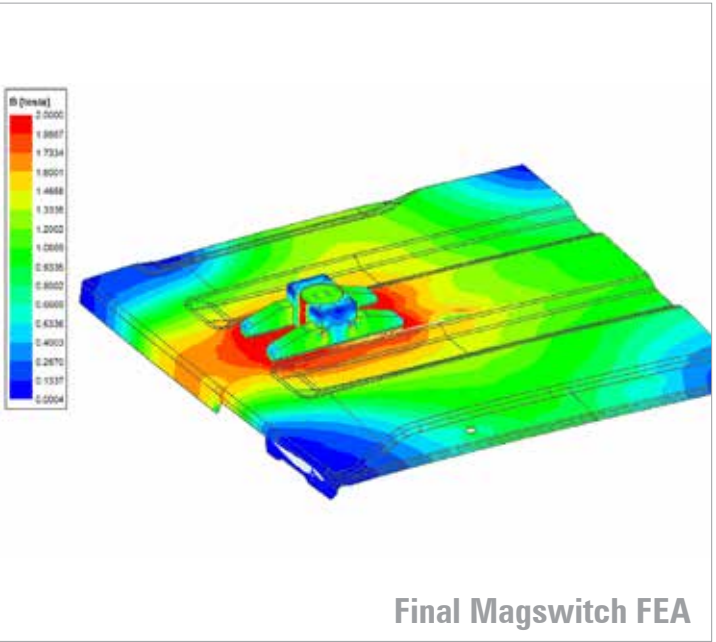
Request a Proposal



Customer Connection



Engineering



Final Magswitch FEA



Integration of tools



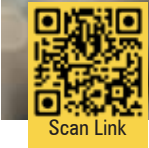
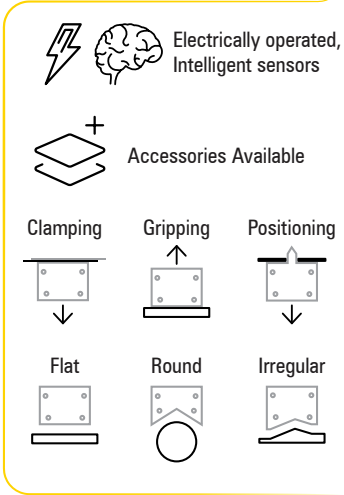
Magswitch tools in action





E-Series

Applications: Doubleblankdetection, Destacking, Bin-Picking, Pick and Place with Force adjustment, Robotic End of Arm Tools (EOAT)

The E-Series combines Magswitch's patented technology with revolutionary smart tool features and electrical actuation. With a slim profile specifically optimized for EOAT applications, the E-Series offers a Variable Field Output (VFO) feature for flexible adjustment of the magnetic force. It enables destacking of the thinnest parts, picking parts from containers and integrates an automatic double sheet detection to ensure precision.

- 24VDC operation below 1A (E30)
- Communication compatible to state of the art Communication Systems
- Smart Tool
- Fail Safe
- Flexible Poleshoe technology to apply to every surface



	 Spec Sheet	 E30 with Cable E30 with Connector	 Spec Sheet	 E50 with Cable E50 with Connector
Part No.		81501263 81501343		81501264 81501344
Max. Breakaway		553 N		2067 N
Max. Shear Force		177 N		716 N
Nominal Supply Voltage		24 V DC		24 V DC
Max. Current		1 A DC @ 24 V DC		3 A DC @ 24 V DC
Mounting Options		2x Top: Ø6H7-M8-Ø6H7 NAAMS pattern		2x Top: Ø6H7-M8-Ø6H7 NAAMS pattern 4x Top: M8-Ø6H7-M8 NAAMS pattern
Weight		0.9 kg		2.9 kg
Selections		8800782: Standard Pole Shoes Kit 8800826: MagMaster Communication Module 88001424: Flat Pole Shoe Kit, Armor Ready 88001426: 135 Degree V Pole Shoe Kit, Armor Ready 88001427: 155 Degree V Pole Shoe Kit, Armor Ready		8800837: Standard Pole Shoes Kit 8800826: MagMaster Communication Module 88001419: Armor Kit 88001420: Flat Pole Shoe Kit, Armor Ready 88001421: 135 Degree V Pole Shoe Kit, Armor Ready 88001422: 155 Degree V Pole Shoe Kit, Armor Ready


Please contact us for Communication Cables Accessories.
cs@magswitch.com

SmartMagGrip E30


Applications: Double sheet detection, Destacking, Bin-Picking, Pick and Place with Force adjustment

The Magswitch Cobot E-Series is perfect for collaborative robot environments, protects humans and machines and also increases the efficiency and accuracy of processes. Ideal for bin picking, destacking, where there features offer high process reliability.


- 24VDC operation below 1A (E30)
- Compatible to all Cobot Systems on the market
- Smart Tool
- Fail Safe
- Flexible Poleshoe technology to apply to every surface



Electrically operated,
Intelligent sensors

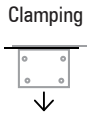


High Heat Variants
Available

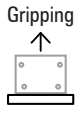


Accessories Available

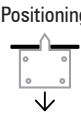
Clamping



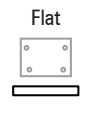
Gripping




Positioning




Flat




Round




Irregular







Spec Sheet



SmartMagGrip E30

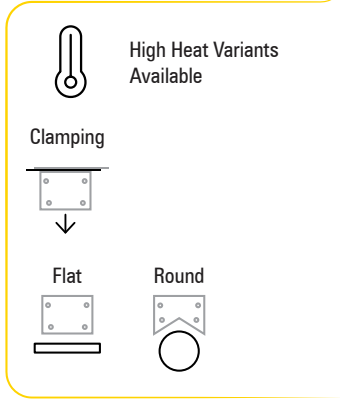
Part No.	81401484
Max. Breakaway	553 N
Max. Shear Force	177 N
Nominal Supply Voltage	24 V DC
Max. Current	1 A DC @ 24 V DC
Mounting Options	Mounts to ISO-9409-1-50
Weight	1 kg
Selections	88001350: Bin Picking Kit / Complete set for Bin Picking Contains 88001423: 1 set Armor Kit, Material: Stainless steel 88001424: Standard Pole Shoe Kit – 1 set flat pole shoes 88001426: 135° V-Cut Pole Shoe Kit – 1 set v-cut pole shoes 88001427: 155° V-Cut Pole Shoe Kit – 1 set v-cut pole shoes 88001353: Kit for straight mounting 88001473: 45 degree mounting kit 8800782: Standard Pole Shoe Kit 8800862: Teeth Pole Shoe Kit

Cobot Magnet Base

Applications: Ship building, arc welding, pick & place, machine tending, bin picking and much more

The Cobot MagBases provide a stable platform for flexible robot positioning and adapt flexibly to different surfaces.

- Flexible positioning of Cobots in your Application
- Horizontal Positioning
- Vertical Positioning
- Adaptive to all metall Surfaces (round, flat, rectangular)



Scan Link



Spec Sheet



Cobot MagBase 5



Spec Sheet



Cobot MagBase 10


Part No.	81001276	81001289
Max. Breakaway	9074 N	22072 N
Max. Shear Force	1814 N	4846 N
Individual Magnetic Pole Footprint	48 mm x 221 mm	71 mm x 296 mm
Weight	9 kg	30 kg

T-Series


Applications: Handling, Robotic End of Arm Tools (EOAT), Fixtures, Welding

The T-Series offer compact and powerful magnetic solutions. These tools are ideal for fixtures, pin positioning and handling a wide variety of components. With adjustable pole pieces, they are extremely flexible in use, being able to handle standard geometries as well as components with free-form surfaces. Thanks to their compactness and lightness, they offer a high power-to-weight ratio to handle any application.


- High force on relatively small footprint and light weight
- Flexible Poleshoe technology to apply to every surface
- Less Air consumption
- Fail Safe



Pneumatically operated

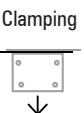


High Heat Variants Available

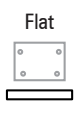


Accessories Available

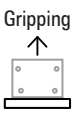
Clamping




Flat



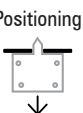
Gripping




Round

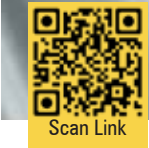
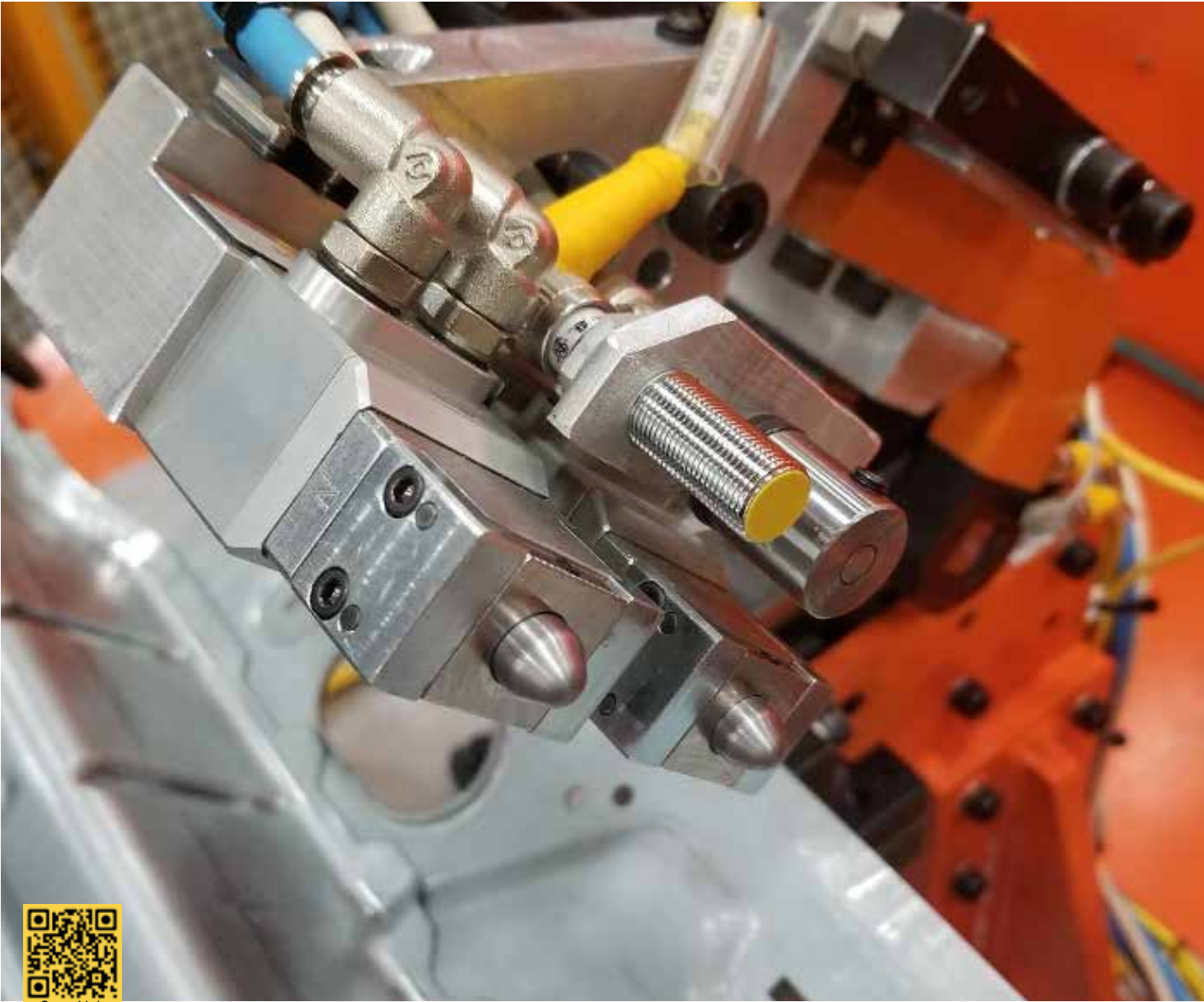


Positioning



Irregular





T20



T30

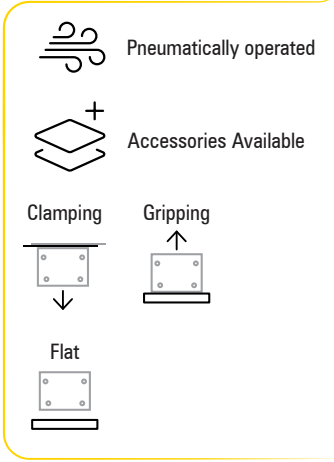
	<div>Part No.</div> <div>81401258</div>	<div>Part No.</div> <div>81401124</div>
	<div>Max. Breakaway</div> <div>334 N</div>	<div>Max. Breakaway</div> <div>716 N</div>
	<div>Max. Shear Force</div> <div>98 N</div>	<div>Max. Shear Force</div> <div>173 N</div>
	<div>Max. Actuation Pressure</div> <div>6.2 Bar</div>	<div>Max. Actuation Pressure</div> <div>6.2 Bar</div>
	<div>Mounting Options</div> <div>Top: Ø6H7-M6-Ø6H7-M6</div>	<div>Mounting Options</div> <div>Top: Ø8H7-M8-Ø8H7-M8 2x Side: Ø6H7-M8-Ø6H7</div>
	<div>Weight</div> <div>0.2 kg</div>	<div>Weight</div> <div>0.6 kg</div>
<div>Selections</div>	<div>88001444: Armor Kit</div> <div>88001445: Flat Pole Shoe Kit, Armor Ready</div> <div>88001446: 135 Degree V Pole Shoe Kit, Armor Ready</div> <div>88001447: 155 Degree V Pole Shoe Kit, Armor Ready</div> <div>8800874: EW Teeth Pole Shoe Kit 1 set of pole shoes - Tooth Surface extended foot print</div> <div>8800906: Pin Clamp Kit</div> <div>8800864: Sensor Cap Kit</div> <div>8800840: Standard Pole Shoe Kit</div> <div>8800878: Thin Optimized Pole Shoe Kit</div> <div>88001122: PSK, 135° V-CUT Bar Shoe, Armor Ready</div> <div>8800997: Bracket Kit</div> <div>8800999: Bracket Kit, upper holes</div> <div>8800998: Bracket Kit</div> <div>88001016: Bracket Kit, front holes</div>	<div>88001440: Armor Kit</div> <div>88001441: Flat Pole Shoe Kit, Armor Ready</div> <div>88001442: 135 Degree V Pole Shoe Kit, Armor Ready</div> <div>88001443: 155 Degree V Pole Shoe Kit, Armor Ready</div> <div>8800747: Pin Clamp Pole Shoe Kit</div> <div>8800696: Standard Pole Shoe Kit</div> <div>8800756: Thin Target Pole Shoe Kit</div> <div>8800699: Sensor Cap Kit</div> <div>8800699: T30 Prox-Kappen-Kit</div> <div>8800943: Rod Shoe Set, V-CUT 135 degrees</div> <div>8800501: Ball Mount, NAAMS, 28.5 mm</div> <div>88001228: Laser welded cropper shield with terminal cover kit</div> <div>8800973: Bracket Kit</div> <div>8800972: Bracket Kit</div> <div>88001017: Bracket Kit, front holes</div> <div>88001001: Bracket Kit, upper holes</div>

D-Series

Applications: Robotic End of Arm Tools (EOAT), Fixtrues, Thin sheet handling, pick and place, destacking

As the most compact members of the Magswitch D-Series, the D5 and D12 shine in situations demanding an ultra-shallow magnetic field. Harnessing the power of shallow field array technology, the D5 and D12 emerge as exceptional tools, adept at the tasks of de-stacking and picking small, thin materials that often pose challenges beyond the reach of many conventional magnets.

- Strongest hold force per mm² in industry on up to 2 mm targets
- Low air pressure required
- Fail Safe
- High Shear Forces



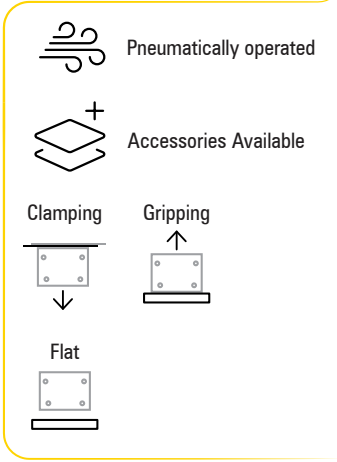
	 Spec Sheet 	 Spec Sheet 
	D5	D12
Part No.	81401540	81401541
Max. Breakaway	39 N	118 N
Max. Shear Force	18 N	43 N
Thickness for De-Stack	0.6 mm	1.5 mm
Max. Actuation Pressure	10 Bar	10 Bar
Mounting Options	1x Top (center): G1/8 1x Top: Ø3,1H7-M5-Ø3,1H7-M5	3x Side: Ø3H7-M4-Ø3H7-M4 1x Top (center): G1/8 1x Top: Ø3,1H7-M5-Ø3,1H7-M5
Weight	0.2 kg	0.2 kg
Selections	88001560: Friction Pad Kit 88001558: Rubber Band Kit 8 8001580: ON/OFF Sensor 88001562: Ball Mount Kit 88001581: Magswitch D5 with Sensor-Kit	88001560: Friction Pad Kit 88001558: Rubber Band Kit 8001580: ON/OFF Sensor 88001562: Ball Mount Kit 88001584: Magswitch D12 with Sensor-Kit

D-Series

Applications: Robotic End of Arm Tools (EOAT), Fixtrues, Thin sheet handling, pick and place, destacking

The D series is specially designed for picking up sheet metal. Thanks to their multiple flat field array technology, they offer high holding forces in the transverse force and are extremely powerful with thin sheets of 0.5-3 mm. Their compact and lightweight design makes the entire gripper easier to use and makes it more universally applicable. This makes them versatile, whether for picking up and placing sheet metal, handling the thinnest parts or stacking.



- Strongest hold force per mm² in industry on up to 2 mm targets
- Low air pressure required
- Fail Safe
- High Shear Forces



D85



D120


	<div>Spec Sheet</div> <div>D85</div>	<div>Spec Sheet</div> <div>D120</div>
Part No.	81401267	81401457
Max. Breakaway	548 N	1133 N
Max. Shear Force	130 N	296 N
Thickness for De-Stack	2 mm	2 mm
Max. Actuation Pressure	6 Bar	6 Bar
Mounting Options	2x Sides: NAAMS Ø6H7-M8-Ø6H7 Top: 1x 3/8-18 NPT	2x Top: NAAMS Ø6H7-M8-Ø6H7 2x Side: Ø5H7-M6-Ø5H7
Weight	0.7 kg	1.3 kg
Selections	8800501: Ball Mount, NAAMS, 28.5mm, Kit 88001639: Compliance Device 88001610: Wear Pads Kit 88001639: Top Mount Compliance Kit 88001136: Sensor 270476: Sensor 8800754: Splitter 270414: Masgwitch Sensor	8800501: Ball Mount, NAAMS, 28.5mm, Kit 88001153: Compliance Device 88001609: Wear Pads Kit 88001628: Top Mount Compliance Kit 88001136: Sensor 270476: Sensor 8800754: Splitter 88001640: Compliance Device

AR-Series


Applications: Handling, EOATs, Fixtures, Welding

The AR-Series offer compact and powerful magnetic solutions. These tools are ideal for jigs, pin positioning and handling a wide variety of components. With adjustable pole pieces, they are extremely flexible in use, being able to handle standard geometries as well as components with free-form surfaces. Thanks to their compactness and lightness, they offer a high power-to-weight ratio to handle any application.


- High power-to-weight ratio
- Flexible Poleshoe technology to apply to every surface
- Less Air consumption
- Fail Safe



Pneumatically operated




High Heat Variants Available




Accessories Available


Clamping




Gripping




Positioning




Flat









Round



Irregular






	 <div><div>Spec Sheet</div></div> <div>AR50 2.0</div>	 <div><div>Spec Sheet</div></div> <div>AR70 Classic</div>	 <div><div>Spec Sheet</div></div> <div>AR110</div>
Part No.	81401167	8140320	8140740
Max. Breakaway	2119 N	4071 N	12799 N
Max. Shear Force	736 N	556 N	850 N
Max. Actuation Pressure	6 Bar	10 Bar	48 Bar
Mounting Options	3x Side: NAAMS Ø8H7-M8-Ø8H7	6x Sides: M8x1.25 4x Bottom: M8x1.25	2x Sides: 2x M10x1,5
Weight	2.2 kg	6.8 kg	31 kg
Selections	88001428: Armor Kit 88001429: Flat Pole Shoe Kit, Armor Ready 88001430: 135 Degree V Pole Shoe Kit, Armor Ready 88001431: 155 Degree V Pole Shoe Kit, Armor Ready 8800797: M8 Prox Sensor Bracket Kit 8800881: Combo Shoes kit 88001012: AR50 Standard Pin Clamp Pole Shoe Kit	88001415: Armor Kit 88001416: Flat Pole Shoe Kit, Armor Ready 88001417: 135 Degree V Pole Shoe Kit, Armor Ready 88001418: 155 Degree V Pole Shoe Kit, Armor Ready 8800363: Standard Pole Shoes kit 8800072: Combo Shoes kit 8800797: M8 Prox Sensor Bracket Kit 8800493: AR70 Standard Pin Clamp Pole Shoe Kit	88001448: Armor Kit 88001449: Flat Pole Shoe Kit, Armor Ready 88001450: 135 Degree V Pole Shoe Kit, Armor Ready 88001451: 155 Degree V Pole Shoe Kit, Armor Ready 8800364: Standard Pole Shoes Kit 8800073: Combo Shoes Kit 8800797: M8 Prox Sensor Bracket Kit 8800364: Standard Pole Shoes Kit

PLAY-Series


Applications: Heavy Parts, Plates and Tubes, Handling, Robotic End of Arm Tools (EOAT), Fixtures, Welding

The Magswitch PLAY series combines several magnets in one point and is perfect for long pipes or beams as well as heavy loads. Adjustable pole elements improve handling.


- Highest magnet power tools on the market
- Deep field technology
- Flexible Poleshoe technology to apply to every surface
- Less Air consumption
- Fail Safe



Pneumatically operated




High Heat Variants Available




Accessories Available


Clamping




Gripping




Positioning




Flat

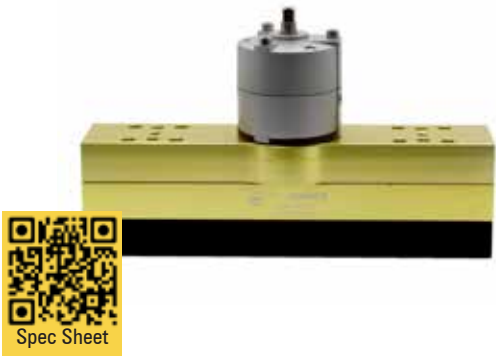
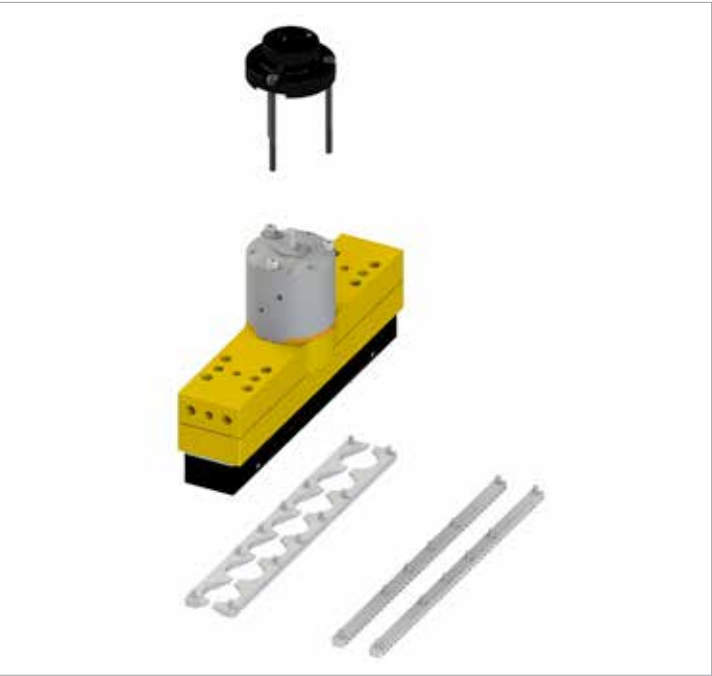
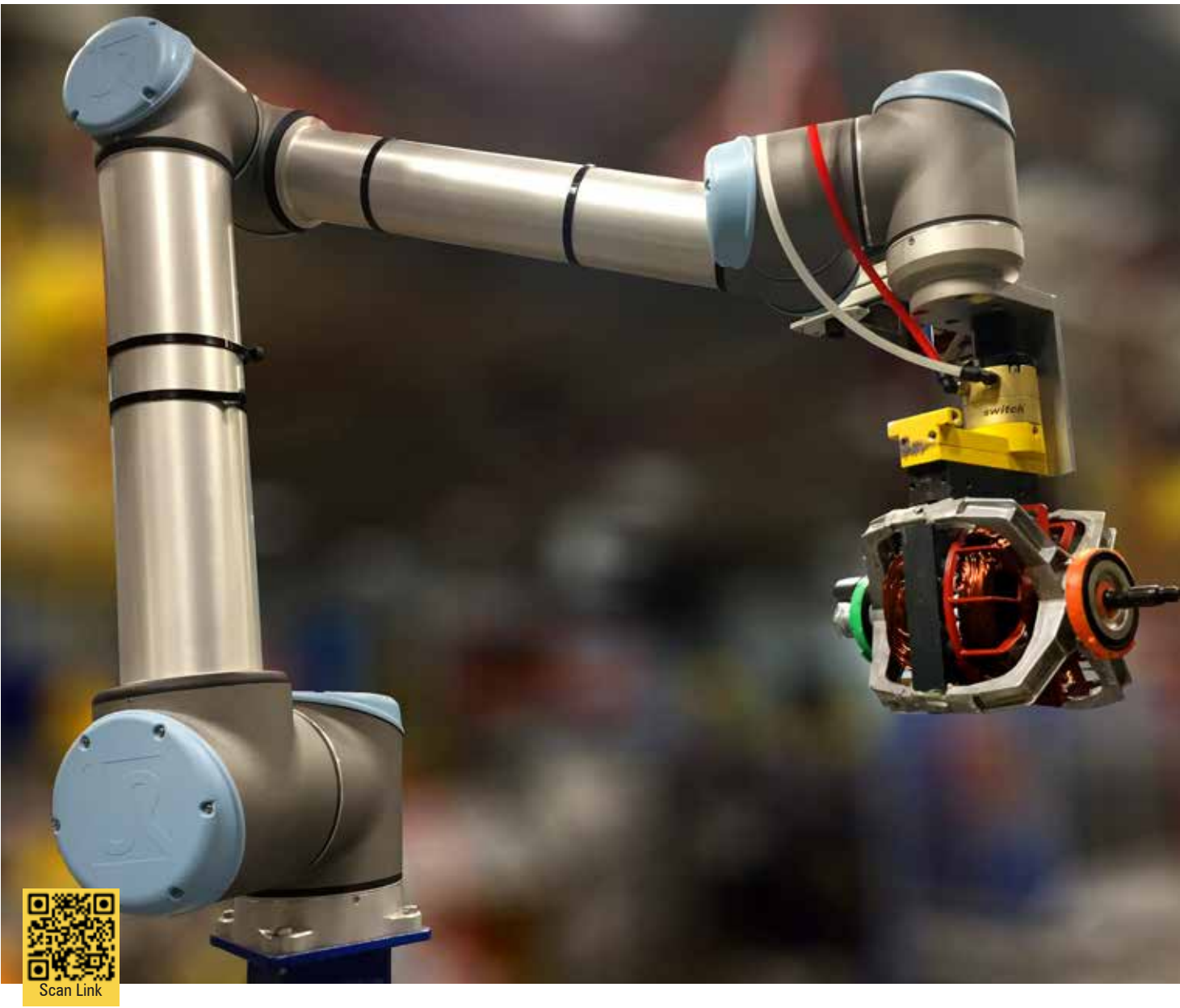


Round



Irregular






	PLAY20x4 NAAMS	PLAY30x7
Part No.	81401096	81401193
Max. Breakaway	1284 N	3478 N
Max. Shear Force	226 N	958 N
Max. Actuation Pressure	10 Bar	8 Bar
Mounting Options	2x Side: Ø6H7-M8-Ø6H7 1x Back: Ø6H7-M8-Ø6H7 / 1x Front: M6-M6	2x Side: Ø5H7-M5-M5-Ø5H7 2x Top: Ø8H7-M8-Ø8H7
Weight	1.2 kg	4.8 kg
Selections	8800172: Kit Replacement Pole Shoes 8800501: Ball Mount, NAAMS, 28.5mm, Kit 8800832: Teeth Pole Shoe Kit 8800500: NAAMS 32mm Ball Mount (3-hole)	8800739: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800748: Thin Target Pole Shoe Kit 1 set of pole shoes - Tooth pole shoe kit for thin materials 8800758: Prox Cap Kit for PLAY Sensor Cap for inductive prox. Sensors M8

PLAY-Series


Applications: Heavy Parts, Plates and Tubes, Handling, Robotic End of Arm Tools (EOAT), Fixtures, Welding

The Magswitch PLAY series combines several magnets in one point and is perfect for long pipes or beams as well as heavy loads. Adjustable pole elements improve handling.


- Highest magnet power tools on the market
- Deep field technology
- Flexible Poleshoe technology to apply to every surface
- Less Air consumption
- Fail Safe



Pneumatically operated




High Heat Variants Available




Accessories Available


Clamping




Flat




Gripping




Round

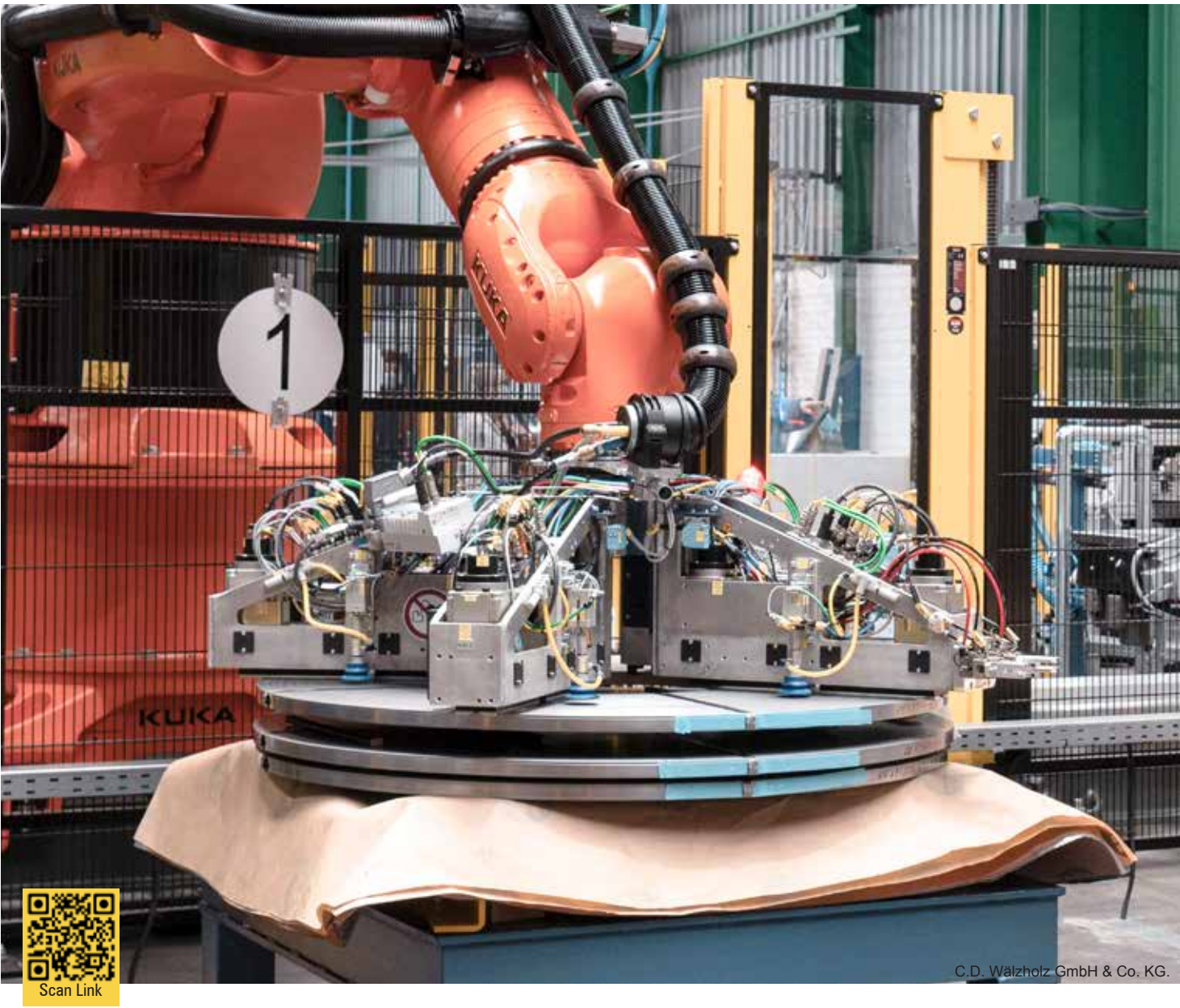




Positioning



Irregular






	 <div>PLAY50x2 2.0</div>	 <div>PLAY50x3 2.0</div>	 <div>PLAY50x4 2.0</div>
Part No.	81401515	81401521	81401488
Max. Breakaway	4614 N	6722 N	9751 N
Max. Shear Force	1128 N	1716 N	2335 N
Max. Actuation Pressure	10 Bar	10 Bar	10 Bar
Mounting Options	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8
Weight	6.5 kg	9 kg	11.3 kg
Selections	8800074: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800292: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001720: Pole Shoe Kit standard; flat 88001721: Pole Shoe Kit 135 degree V-cut 88001722: Pole Shoe Kit 155 degree V-cut 88001723: Pole Shoe Kit flat tooth 81401617: PLAY 50x2 EH 2.0	8800075: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800293: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001716: Pole Shoe Kit standard; flat 88001717: Pole Shoe Kit 135 degree V-cut 88001718: Pole Shoe Kit 155 degree V-cut 88001719: Pole Shoe Kit flat tooth	88001372: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800293: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001529: Pole Shoe Kit 135 degree V-cut 88001530: Pole Shoe Kit 155 degree V-cut 88001699: Pole Shoe Kit flat tooth 88001727: EOAT Bracket

PLAY-Series


Applications: Heavy Parts, Plates and Tubes, Handling, Robotic End of Arm Tools (EOAT), Fixtures, Welding

The Magswitch PLAY series combines several magnets in one point and is perfect for long pipes or beams as well as heavy loads. Adjustable pole elements improve handling.


- Highest magnet power tools on the market
- Deep field technology
- Flexible Poleshoe technology to apply to every surface
- Less Air consumption
- Fail Safe



Pneumatically operated




High Heat Variants Available




Accessories Available


Clamping




Flat




Gripping




Round



Positioning



Irregular







PLAY70x2 2.0



PLAY70x3 2.0



PLAY70x4 2.0

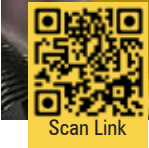
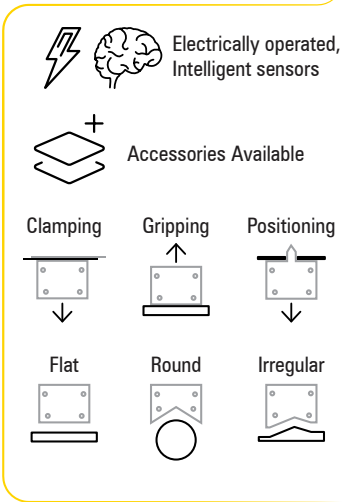
	PLAY70x2 2.0	PLAY70x3 2.0	PLAY70x4 2.0
Part No.	81401497	81401545	81401520
Max. Breakaway	8362 N	13232 N	17366 N
Max. Shear Force	1795 N	3139 N	4218 N
Max. Actuation Pressure	10 Bar	10 Bar	10 Bar
Mounting Options	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8	Back & Front: M6-M6 4x Side: Ø8H7-M8-Ø8H7-M8
Weight	13 kg	20.5 kg	25.5 kg
Selections	8800077: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800293: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001704: Pole Shoe Kit standard; flat 88001705: Pole Shoe Kit 135 degree V-cut 88001706: Pole Shoe Kit 155 degree V-cut 88001707: Pole Shoe Kit flat tooth 81401619: PLAY 70x2 EH 2.0	8800078: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800294: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001709: Pole Shoe Kit 135 degree V-cut 88001710: Pole Shoe Kit 155 degree V-cut 88001711: Pole Shoe Kit flat tooth 81401620: PLAY 70x2 EH 2.0	8800079: Standard Pole Shoe Kit 1 set of pole shoes - standard; flat 8800294: Prox Cap Kit Sensor Cap for inductive prox. Sensors M8 88001713: Pole Shoe Kit 135 degree V-cut 88001714: Pole Shoe Kit 155 degree V-cut 88001715: Pole Shoe Kit flat tooth 81401621: PLAY 70x2 EH 2.0

ELAY-Series

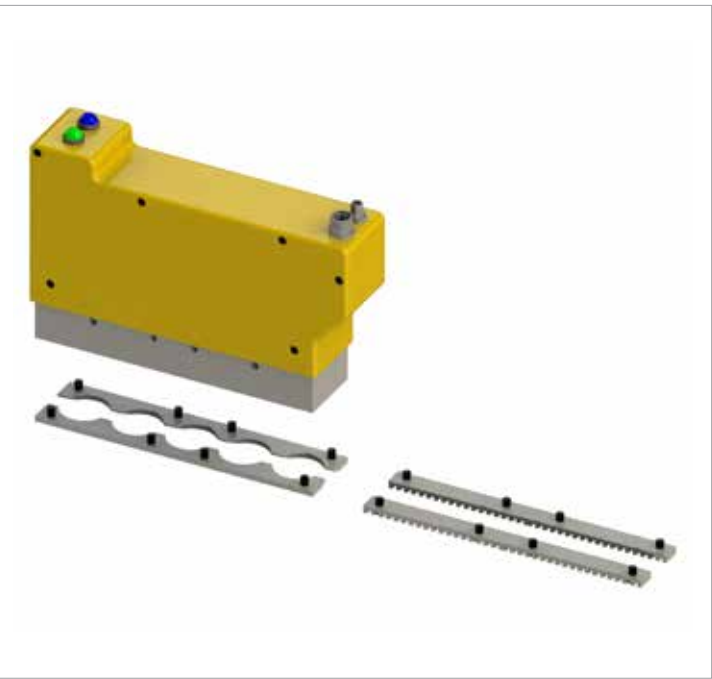
Applications: Heavy Parts, Plates and Tubes, Beam-Handling, Robotic End of Arm Tools (EOAT), Destacking

The ELAY variant combines this technology with intelligent functions and electrical activation. The VFO functionality enables the thinnest materials to be destacked and performance to be maximized.

- Highest magnet power tools on the market
- Deep field technology
- Flexible Poleshoe technology to apply to every surface
- 24VDC operation below 2.5A (ELAY30x5) and 5.5A (ELAY50x5)
- Serial communication compatible to state of the art Communcation Systems
- Smart Tool
- Fail Safe



Scan Link



	 Spec Sheet	 ELAY30x5 Smart Tool	 Spec Sheet	 ELAY50x5 Smart Tool
Part No.		81501338		81501320
Max. Breakaway		2187 N		11682 N
Max. Shear Force		765 N		2256 N
Nominal Supply Voltage		24 V DC		24 V DC
Max. Current		2.5 A DC @ 24 V DC		5.5 A DC @ 24 V DC
Mounting Options		2x Side: Ø6H7-M6-Ø6H7-M6		2x Side: Ø8H7-M8-M8-Ø8H7
Weight		5.7 kg		15.4 kg
Selections		88001110: Standard Pole Shoe Kit 8800968: Thin Target Pole Shoe Kit 88001111: EOAT Mount 8800826: MagMaster Communication Module 8800748: Thin Target Pole Shoe Kit		88001109: Standard Pole Shoe Kit 8800924: EOAT Mount 8800826: MagMaster Communication Module 8800996: Flat steel shoe set 8800924: ELAY50x5 EOAT-Bracket

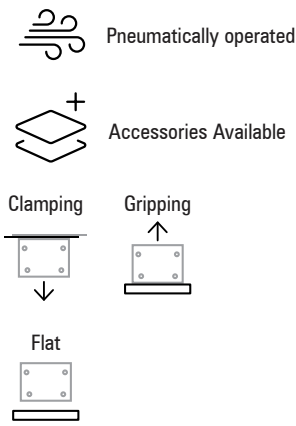
Please contact us for Communication Cables Accessories.
cs@magswitch.com

M-Series

Applications: Pick and Place, Robotic End of Arm Tools (EOAT), material handling, sheet metal handling, Body-in-White (BIW), COBOT

The M30 2.0 magnetic gripper brings back a classic design with several upgrades. This deep-field pneumatic magnet is compact and powerful and a low budget option to automate your application. It can 1 to 1 substitute your suction cups and can be equipped with compliance devices.

- Compact
- Low budget
- Fail Safe
- 1 to 1 interchangeable alternative magnetic solution to suction cups



M30 2.0 magnetic gripper

Part No.	81401590
Max. Breakaway	729 N
Max. Shear Force	157 N
Max. Allowable Pressure	10 Bar
Mounting Options	1x Top (With NAAMS Mounting Option): Ø6H7-M8-Ø6H7
Weight	0.47 kg

Manual Sheet Fanner

Applications: Body in White (BIW), Pressshop, Presslines



Magnetic sheet fanners provide a faster and safer alternative to separate ferrous sheets. The magnetic field is transferred to the steel blanks which take on the magnetic pole to repel from each other. Apply the Magswitch sheet fanner to the side of any stack of blanks or thin steel components and watch the top layers separate for easy destacking.

- Fan or separator magnet
- Manually operated
- Tackles any height stack with ease
- Free floating design holds fanner to stack with auto-indexing functionality
- Use with or without a guide rod
- Powerful magnetic field separates sheets
- Chamfer design allows for uneven stacks
- Easy separation of stacked components
- Portable and lightweight



Manual Sheet Fanner

Part No.	8100871
Guide Rod Bushing Inner Diameter	29 mm
Magnetic Pole Footprint	143 x 111 mm
Height	228 mm
Weight	6.7 kg

Manual Tools

Magswitch products are engineered to drive productivity, speed and safety in several other applications such as welding, fabrication, woodworking, material handling, lifting and drilling. Large sheet leveling, sheet de-stacking, grounding, drilling and lifting are performed significantly faster and much more safely with our products. The true ON and OFF capabilities of Magswitch technology has created a whole world of applications that make up a part of our manual product line.

- Welding & Fabrication
- Lifting Tools
- Material Handling
- Heavy Lifting Solutions
- Material Alignment
- Woodworking

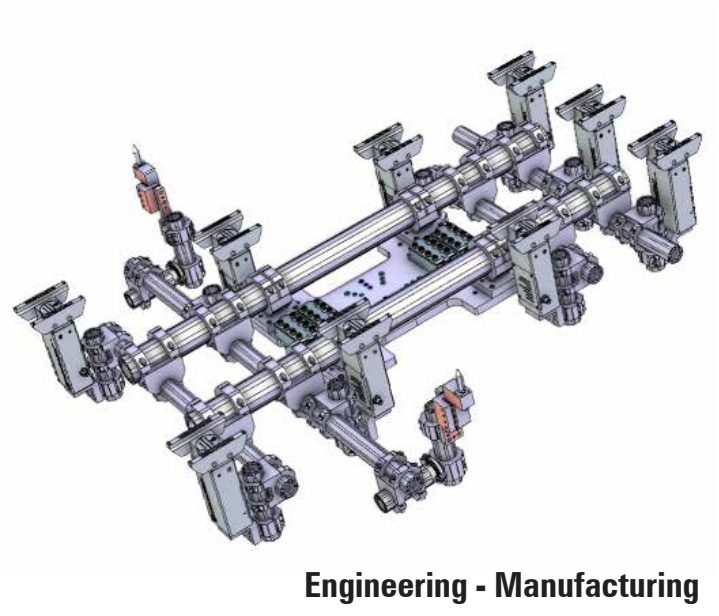


Engineering & Handling

Mechanical design, manufacturing, fixture and gripper construction and measurement technology are among our strengths. We develop solutions from 3D CAD designs to product development and simulation. Our manufacturing capacities cover CNC machining, steel structures and more, while we also provide assembly capacities for assemblies and fixtures. With high-precision 3D measurement, we ensure the best quality before shipping.

We are your contact for automated and manual handling, flexible and sustainable solutions. We develop and manufacture automation and handling systems, offer mobile crane solutions for manual load movements and design flexible gripper systems that can be adapted on site. Sustainable concepts enable the reuse of components when adapting products.

- Engineering - Bin Picking
- Engineering - MagMethod
- Engineering - Manufacturing
- Handling



Clamping

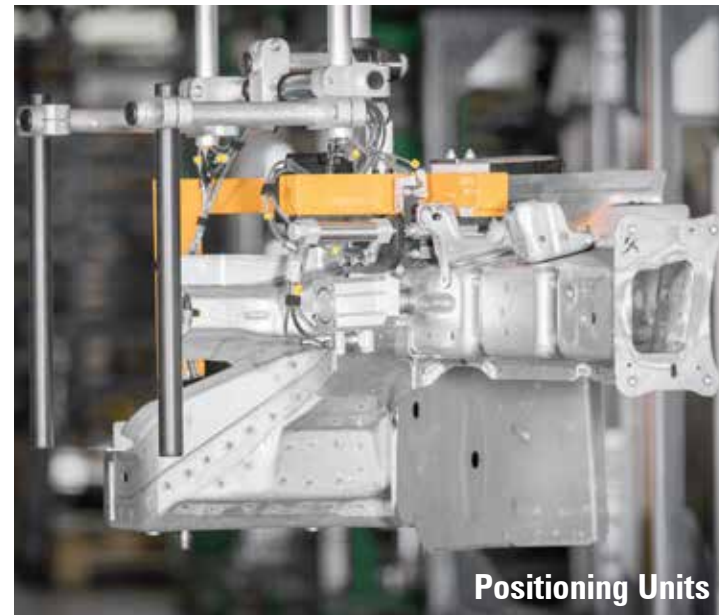
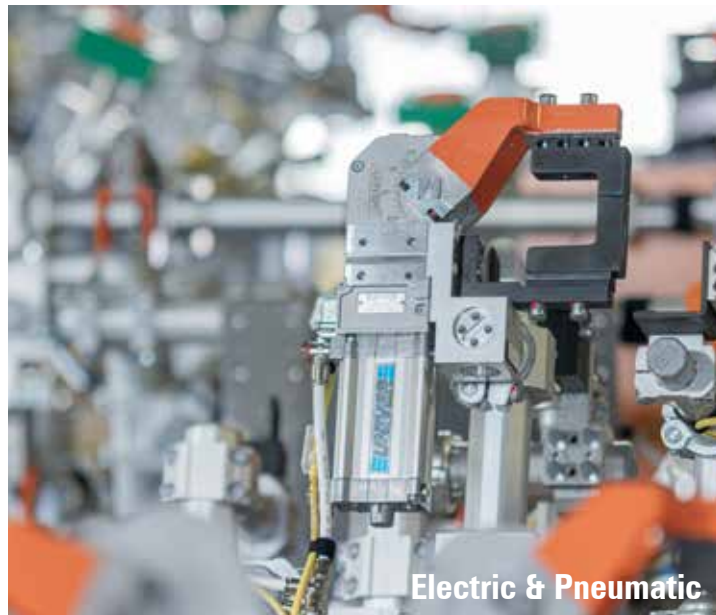
Here you will find an expert page on the subject of clamping technology. An innovative product range for manual, pneumatic or electrical clamping and positioning of sheet metal, pipes and workpieces in industrial applications in the automotive, wood, glass, packaging, pharmaceutical industries, mechanical engineering and much more.

Electric & Pneumatic

Positioning Units

Welding Aystems and Fixture Construction

Clamping Technology in Automation



Notes



MAGNET TECHNOLOGY | CLAMPING TECHNOLOGY | HANDLING | ENGINEERING



Magswitch Technology Europe GmbH

Marie-Curie-Str. 12
85055 Ingolstadt, Germany
+49 841 883544 0
cs@magswitch.com

Magswitch Technology Europe GmbH

Eisenstraße 51
65428 Rüsselsheim, Germany
+49 6142 60358 00
cs@magswitch.com

Magswitch Technologies

1000 S. McCaslin Blvd., Suite 301,
Superior, Colorado 80027, United States
+1 303 468 0662
sales@magswitch.com

Magswitch Technology China Co. Ltd.

4th Floor, No. 1711, Xingqiao North Road
Yuhang District, Hangzhou 311100, China
+86 571 86260710 8014
cs@magswitch.com

Visit our website!

www.magswitch.com



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