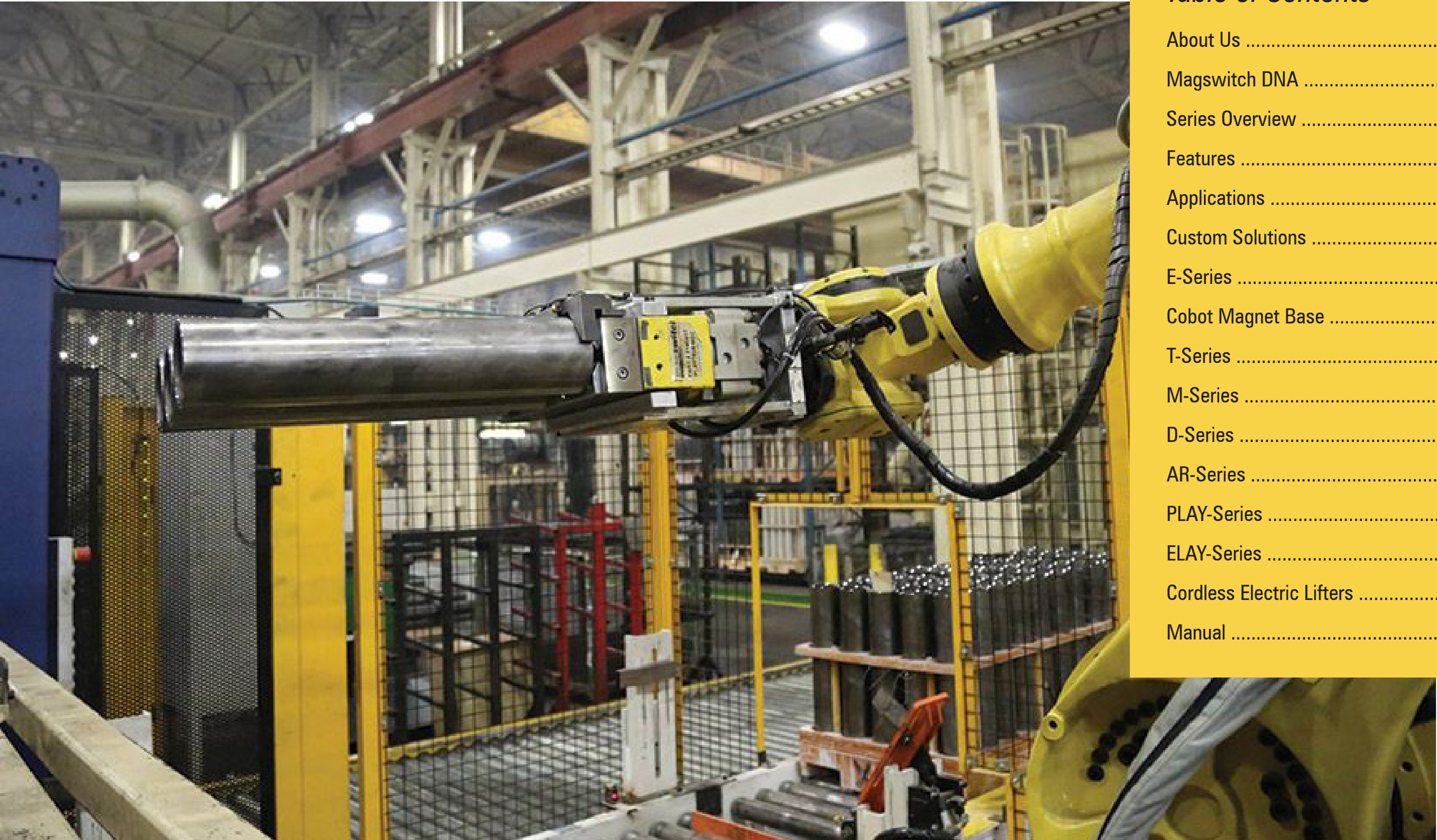




# Product Catalog

## Magswitch Automation Tools



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# Technology that attracts™

Magswitch Technologies 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, Cobot 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



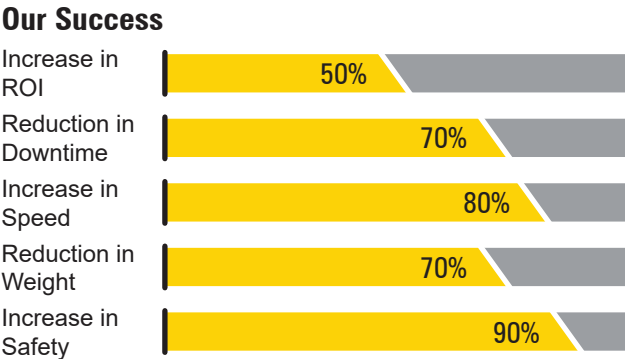
**Safety**

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.

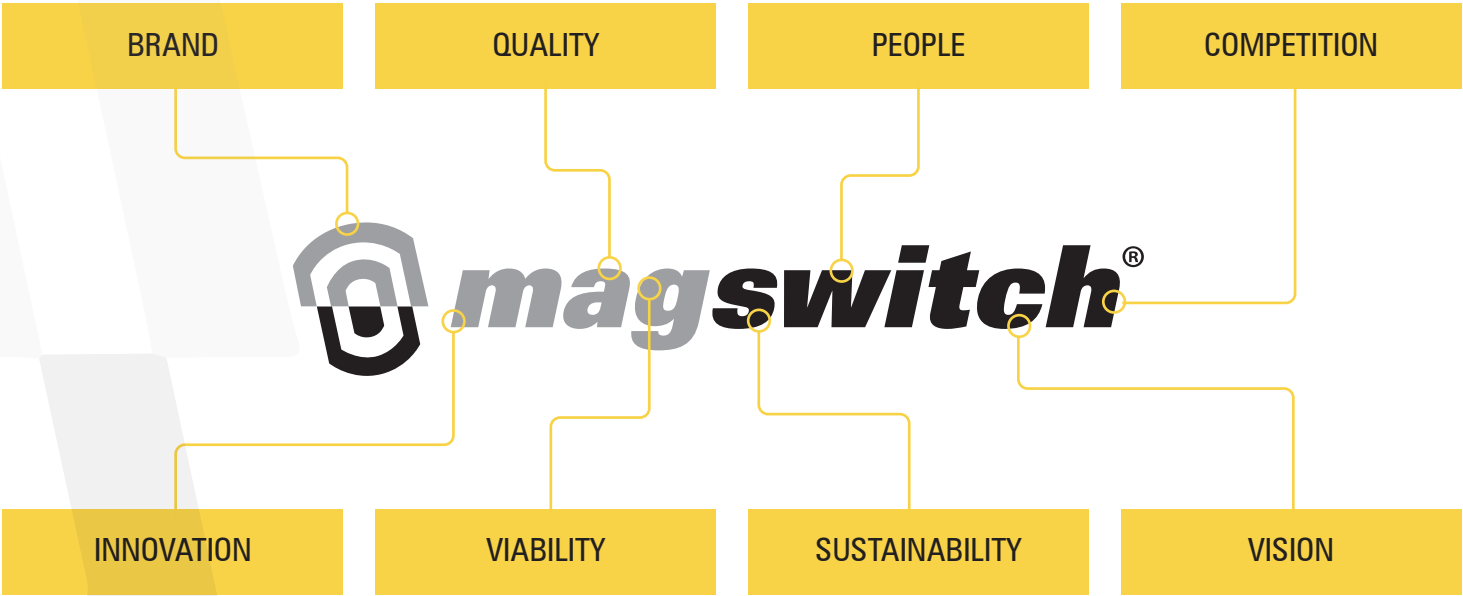


**Sustainability**

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



## Magswitch DNA

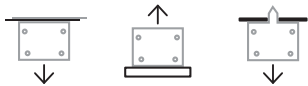


Magswitch Technologies, headquartered in Colorado, USA, is a leader in switchable magnetic technology. From initial development, design and engineering to manufacturing, final delivery and distribution, Magswitch has paved the way for innovation in multiple industries across the globe.

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 website!  
[www.magswitch.com](http://www.magswitch.com)



**Various Part Handling**

Our products can be used for different handling applications:

- Clamping
- Gripping
- Positioning



**High-Heat-Tools**

Magswitch tools are also available as a High-Heat-Variant. Simply contact [sales@magswitch.com](mailto:sales@magswitch.com) for further information.



**Accessory Products**

Take a look at our accessory products for various Magswitch tools. Please contact [sales@magswitch.com](mailto:sales@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.

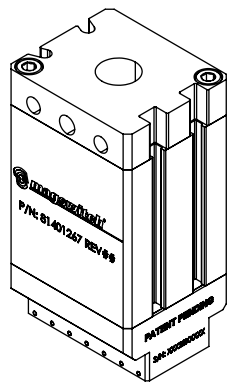


**Pole Shoe Variants**

Our products are available with different pole shoe variants:

- Flat
- Round
- Irregular

# Series - Overview

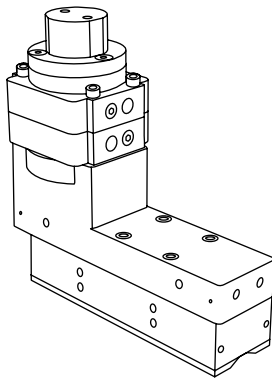


## D-Series

The D tools are a narrow-footprint tool intended for use picking sheet metal. Featuring multiple shallow field array technology, it is a mighty pneumatic tool that excels at de-stacking and lifting thin materials when most larger magnets can't get a grip.

### Features & Benefits

- Small footprint for locating on complicated geometries
- Shallow field for de-stacking
- Powerful holding force on sheet metal

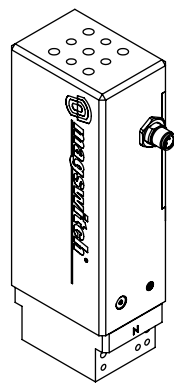


## PLAY-Series

Magswitch PLAY series brings the power of multiple magnets together with a single point of actuation. Use these tools when handling long pipes or beams. Additionally, keep these tools in mind for heavy weight applications. These tools have customizable pole elements which can be applied to improve handling in any application.

### Features & Benefits

- Ideal for handling long components
- Customizable Contact Surface
- Deep field technology
- Saves energy

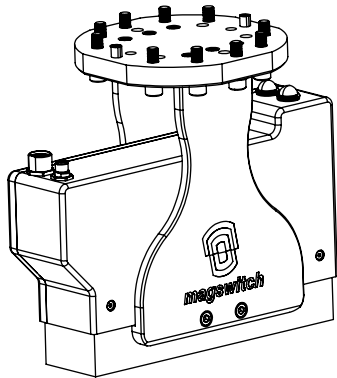


## E-Series

Combining Magswitch's patented core technology with revolutionary smart tool capabilities and an electric actuation, the E Series allows Magswitch to offer even more advantages than ever before!

### Features & Benefits

- Slim profile optimized for EOAT applications
- Variable Field Output (VFO)
- De-stack thin parts
- Enhanced bin pick capabilities
- Store multiple part present profiles
- 24VDC Operation

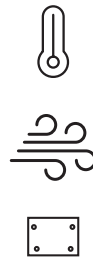
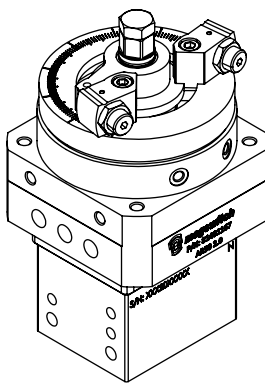


## ELAY-Series

Combining Magswitch's patented core technology with revolutionary smart tool capabilities and an electric actuation. All new Variable Field Output (VFO) functionality allows the tool to de-stack thin material and optimize performance for your component. Once the part is gripped and separated from adjacent parts, the tool can be switched to full power for maximum performance.

### Features & Benefits

- 24VDC operation below
- De-stack thin parts
- Fail-Safe
- Store multiple part present profiles

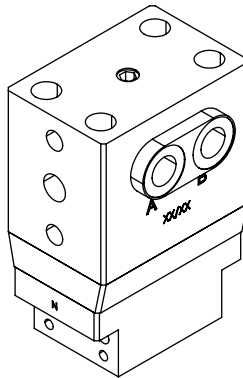


## AR-Series

Magswitch AR tools are some of the most versatile grippers in our lineup. These tools pack a high power to weight ratio to handle any size application. With customizable pole shoes, the AR series can handle any geometry you throw at it. No need to find a flat spot in your next project.

### Features & Benefits

- Maximum power to weight ratio
- Saves energy - 90% less air then other gripping methods
- Customizable pole shoes for round or irregular contact surfaces

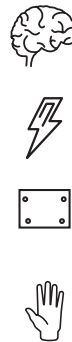
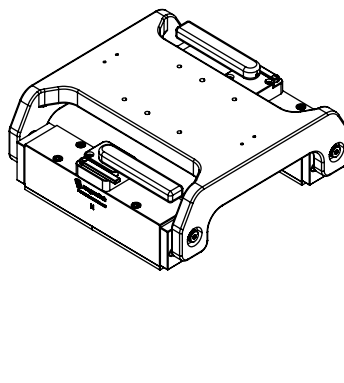


## T-Series

Magswitch T-Series is compact and powerful boasting cutting edge technology enhancements and precision mounting interfaces. These tools are great for fixtures, pin locating and material handling. Additional custom pole shoe geometry allows for extreme flexibility in applications.

### Features & Benefits

- Larger air ports (G1/8) for increased compatibility and robust connections
- Manufactured to precision tolerances with symmetrical NAAMS mounting
- Tool is equipped with externally accessible manual override



## Cobot-Series

The Magswitch Cobot MagBases are intended for use with collaborative robots. With pivoting Magnets, the Base can be anchored to flat and cylindrical surfaces and feature a wide footprint. The SmartMagGrip E30 incorporates the same features as an industrial specification Magswitch E-Series tool, including Variable Field Output (VFO) and integrated sensing technology, delivering part present and double blank detection.

### Features & Benefits

- Suited for collaborative robot environments
- Perfect for Bin Picking Applications (requires accessories)
- Fail-Safe
- Store multiple part present profiles

# Information



Electrically operated



Manually operated



Intelligent sensors



Pneumatically operated



High-Heat-Tools



Pole Shoes



# Features

## Our Commitment:

Offering unique capabilities and significant improvements to end of arm tooling, pick-and-place, body-in-white and many other applications, the powerful and lightweight tools in our automation line make it possible to implement magnets where they weren't previously applied. Magswitch can replace vacuum cups and traditional pin clamps which impact operating costs through high energy consumption and downtime.

Magswitch is rapidly being deployed as a platform technology by major automotive OEMs and Tier One suppliers including VW, Audi, GM, Gestamp and Magna among others. Like these companies, if you handle or fabricate steel using automation, you will find solutions and savings with Magswitch that you never knew were possible.

Contact Magswitch sales and application team to get started on your next project.

applications@magswitch.com  
or call us at +1 (303) 468.0662  
or visit us at [www.magswitch.com/automationsolutions](http://www.magswitch.com/automationsolutions)

## The Features our tools:

	AR	T	E	PLAY	D	ELAY	Sheet Fanner	Smart MagGrip E30
Fail-Safe	✓	✓	✓	✓	✓	✓	✓	✓
On/Off Control	✓	✓	✓	✓	✓	✓	✓	✓
Customizable Contact Surface	✓	✓	✓	✓		✓		✓
Pneumatic Actuation	✓	✓		✓	✓			
Electric Actuation			✓			✓		✓
On/Off Feedback	Optional	Optional	✓	Optional	Optional	✓		✓
Pole Contact Feedback			✓			✓		✓
Proper Part Present Sensing (Part Presence/ Double Blank detection)			✓			✓		✓
Variable Flux Output (De-stacking)			✓			✓		✓

### Speed

Bringing the power & versatility of Magswitch Technology to the automation world.

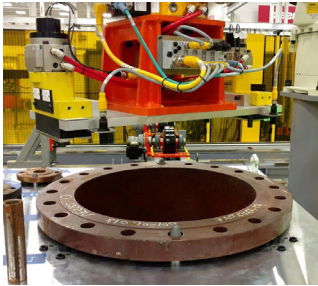
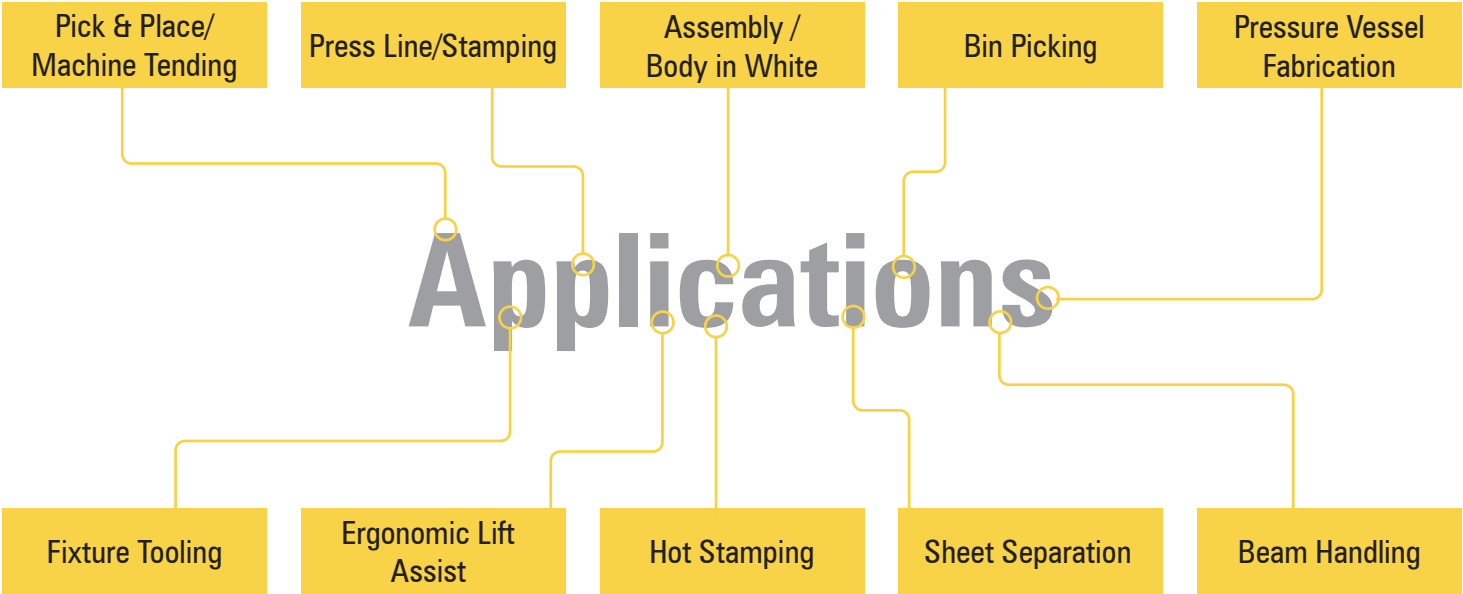
### Efficiency

Significant new capabilities and improvements in material handling applications.

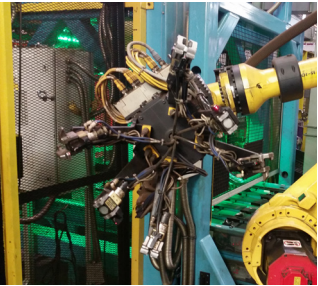
### Energy Savings

Replace costly vacuum cups, heavy grippers and problematic pin clamps.

# Applications



Pressure Vessel Welding



Multi Component  
Pick & Place

### Pick & Place/Machine Tending

Multi-head designs keep machines running and help reduce cycle time. Pick and place and machine tending operations can be performed significantly faster when replacing mechanical grippers, power clamps or suction cups.

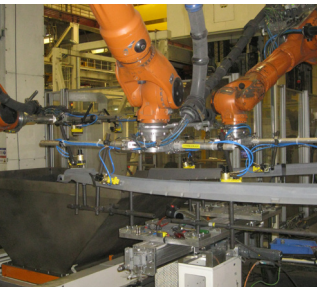
Custom pole shoe accessories provide tailored locating features to improve holding force and securely grip components of all geometries.

### Press Line/Stamping

Stamping processes can be performed faster and more efficiently using Magswitch products. Magswitch products can handle lubricated sheet metal blanks more effectively than suction cups by gripping through the oil. This reduces downtime from slipping or dropped parts. Improved cycle times are achieved with fast actuation times of 0.3 seconds. Air consumption is reduced by 90% and even more when compared with vacuum!



Improvement Of Sheet  
Handling Dies



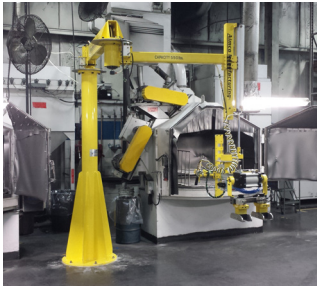
A-Pillar Press  
Unload



# Applications



Press Brake Loading



Bead Blasting Load Operation

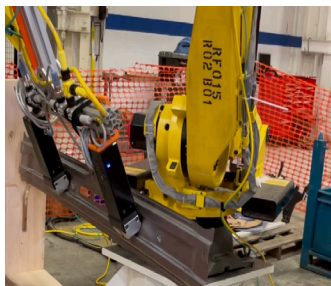
## Ergonomic Lift Assist

Improve your operator lifting capabilities with our Ergonomic Lift Assist Solutions. Safety is critical in any process and especially true when operators must handle heavy components.

Zero gravity lift assists combined with Magswitch tools allow a single operator to handle large loads without breaking a sweat and perform repetitive operations. This reduces the chance of workplace injuries and improves overall efficiency.



Body-in-White



## Assembly / Body-in-White

Improve throughput by applying Magswitch Automation tools in your Assembly and Body-In-White processes. Magswitch grippers offer the versatility and simplicity of suction cups, while maintaining the reliability and safety of traditional power clamps. Repeatable mounting allows for precision locating of components and fast mean time to repair (MTTR).

For an advanced solution, apply smart technology to enable on-tool part present and double blank detection. New electrical actuation completely removes air from automation cells resulting in even more energy savings. The E Series (Pg 15) also enables de-stack capabilities with Variable Field Output (VFO).

## Sheet Separation

Our switchable magnetic sheet fanners provide a faster and safer alternative to separate ferromagnetic sheets. The magnetic field is transferred to the steel blanks which take on the magnetic polarity causing sheets 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 de-stacking. These tools reduce workplace injuries inherent with operation of traditional always-on sheet fanners.



Blank Fanning



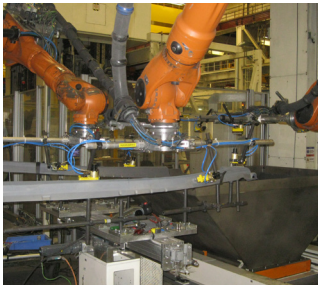
## Bin Picking

Couple Magswitch grippers with vision for a robust bin picking solution for handling randomly arranged components. Pole shoes allow for gripping components on flat or round surfaces. Deep magnetic fields can overcome small misalignments between gripper and target.

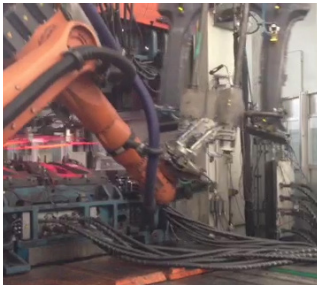
Magswitch recommends the use of armor plating to reduce wear from impacts due to chaotic conditions and to improve product lifetime.



Smart Bin Pick



A-Pillar Press Unload



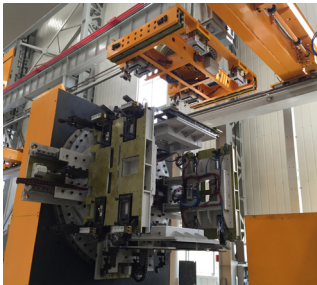
## Hot Stamping

Steels used in production are getting lighter and more durable requiring the use of new technologies to manufacture components. One such technology is the high temperature press. Handling parts after the forming operation takes a toll on traditional grippers. Magswitch tools can take the heat and abuse of the most grueling operation.

Our tools have replaced traditional grippers that require replacement every shift.



Tube Handling with Vertical Compliance



Pressure Tank Lid Rotation

## Beam Handling

Magswitch supplies a compact, lightweight solution for robotic handling of industrial Beams. Different EOAT designs are utilized for handling single beams as well as multiple beams from vertical hanging position to a horizontal conveyor.

Common tools throughout production line allows for reduction in spare part inventory and overall expenses. Consider the power of Magswitch on your next industrial project!



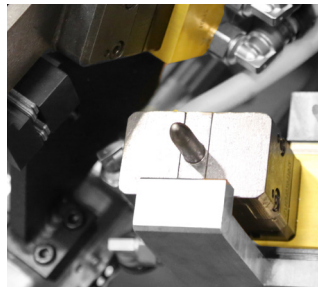
Multi Beam EOAT



Single Beam EOAT

## Fixture Tooling

Repeatability is key in laser cutting operations as well as clamping fixtures. Utilize our NAAMS mounting options to ensure a reliable and repeatable fixture. Custom pole shoes allow for geometry matching or custom pin attachments for precision locating.



Laser welding/cutting



# Custom Solutions

## 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 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 Distribution

- 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

- Magnetic analysis to confirm holding force and validate pole shoe designs
- One of the most knowledgeable distribution networks and a team of engineers to handle any application presented
- Please contact your local distributor 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 A PROPOSAL

Name \*

First

Last

Email \*

Phone \*

Address

Street Address

Street Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

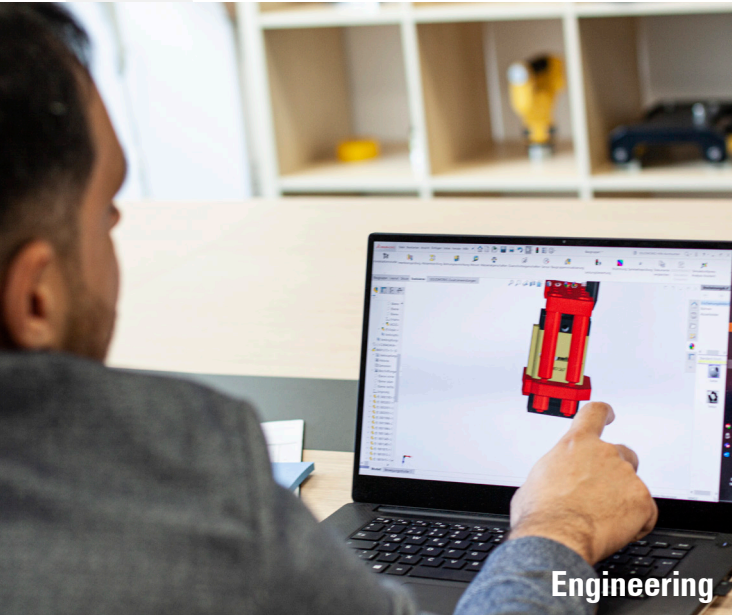
Automation Application Type? \*

Assembly

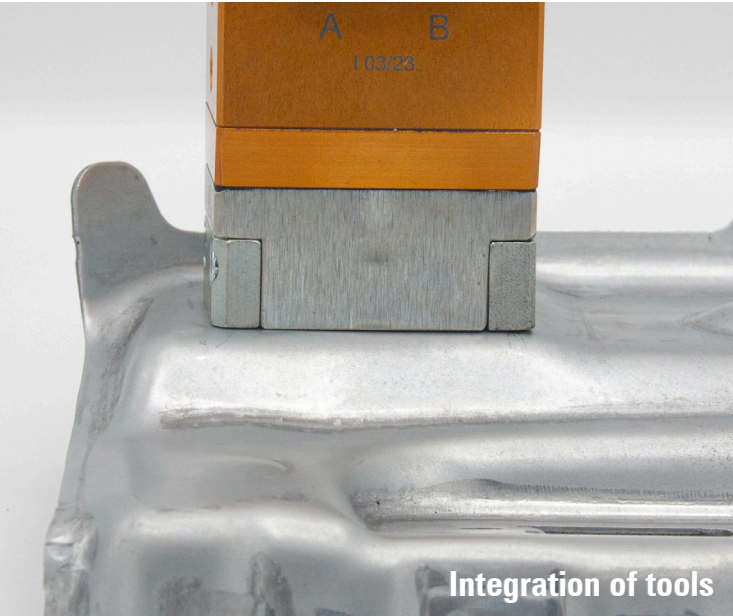
Describe your application process. \*

Material Grade or Composition

Request a Proposal



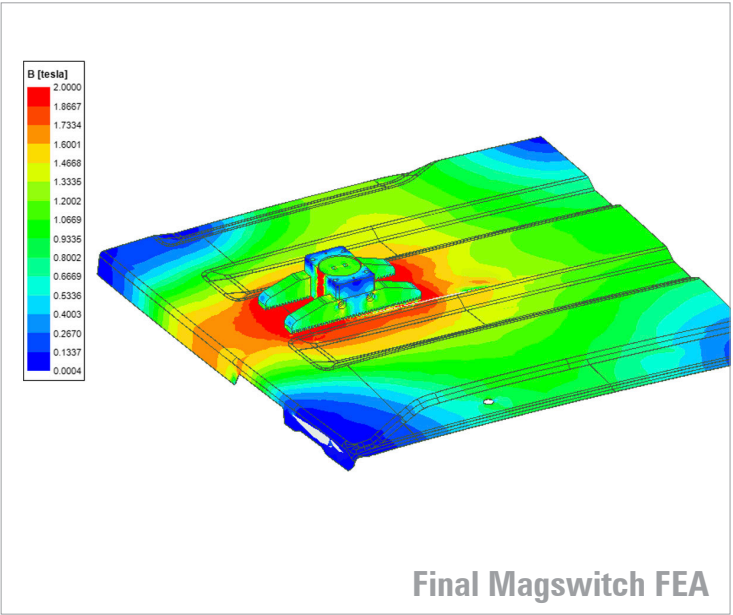
Engineering



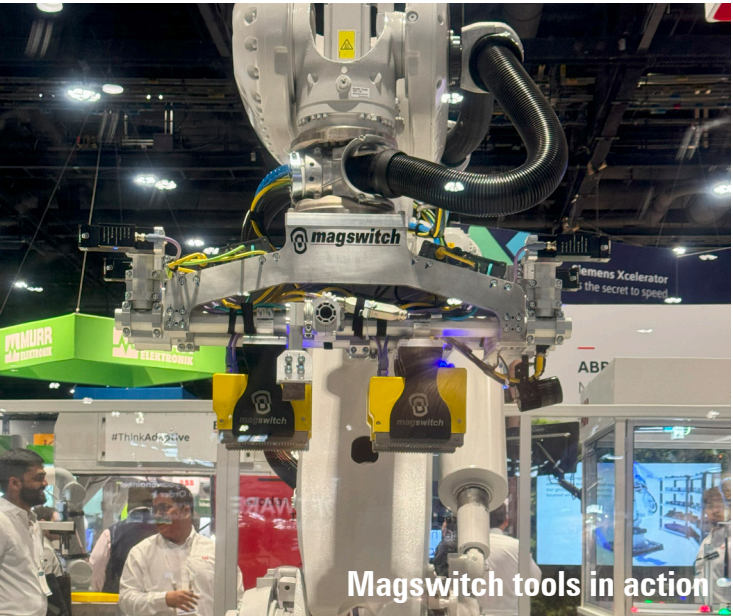
Integration of tools



Customer Connection



Final Magswitch FEA



Magswitch tools in action



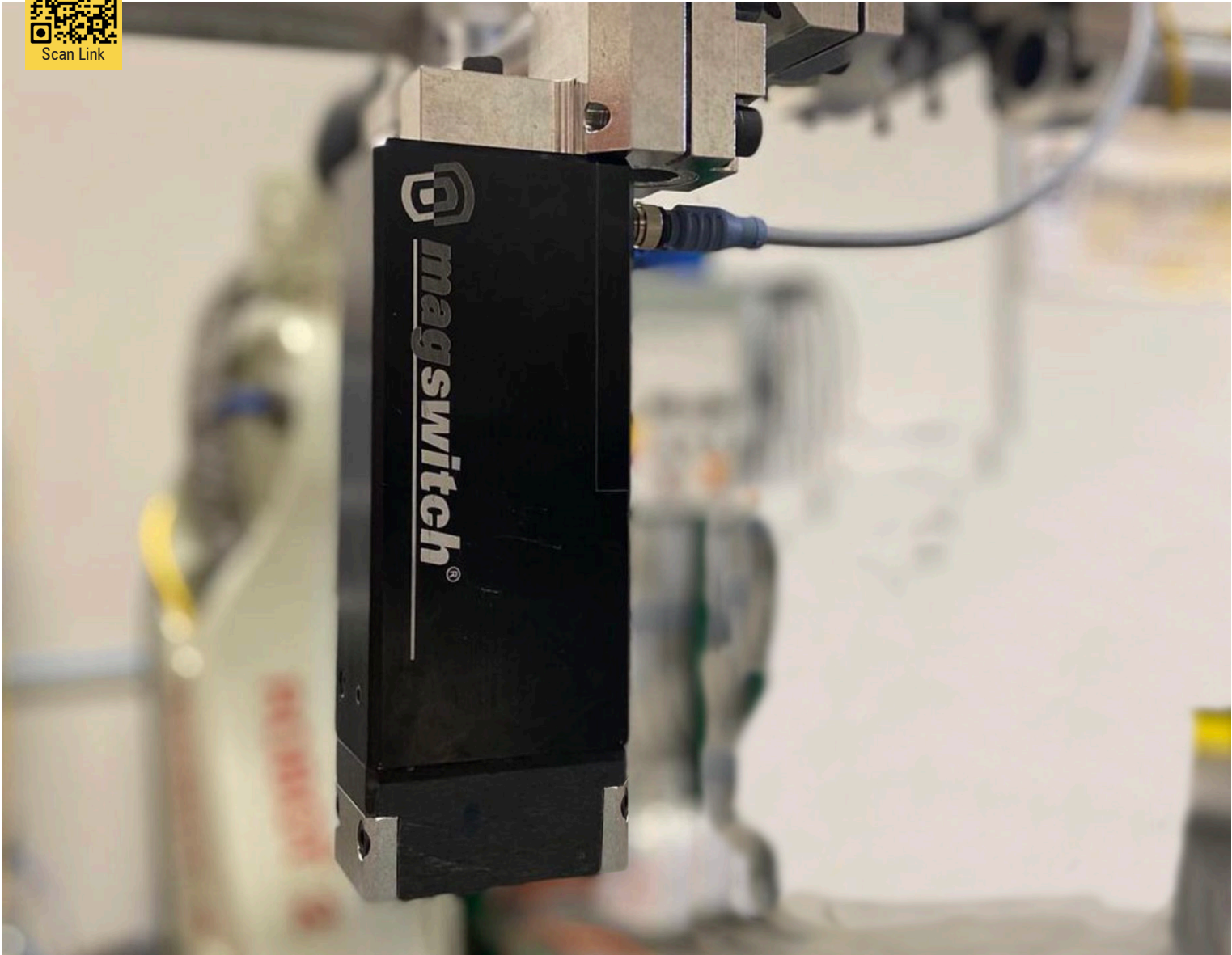
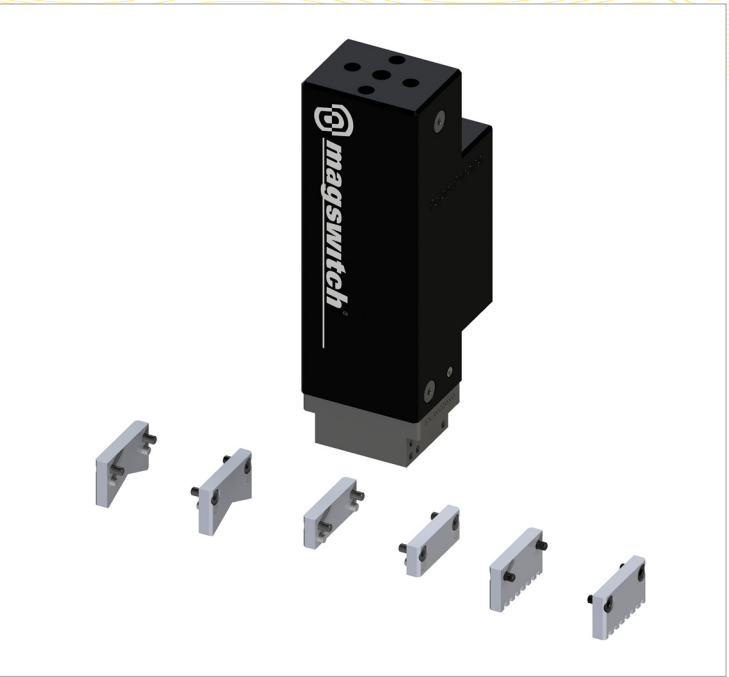
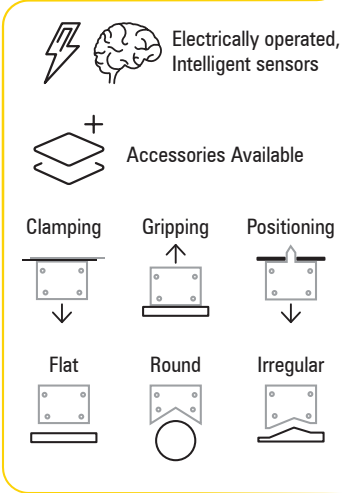
E-Series

Magswitch E30 Key features:

- E-Motor driven permanent magnet
- Magnetic core(s): 30mm
- Integrated Sensors to detect part present
- Variable Field Output
- 24VDC operation

Magswitch E50 Key features:

- E-Motor driven permanent magnet
- Magnetic core(s): 50mm
- Integrated Sensors to detect part present
- Variable Field Output
- 24VDC operation



E30  
81401263



E50  
81401264

Accessories E30

8800782	8800826	88001423	88001424	88001426	88001427
E30 Standard Pole Shoes Kit	E-Series MagMaster 4001	E30 Armor Kit	E30 Flat Pole Shoe Kit, Armor Ready	E30 135 Degree V Pole Shoe Kit, Armor Ready	E30 155 Degree V Pole Shoe Kit, Armor Ready

Accessories E50

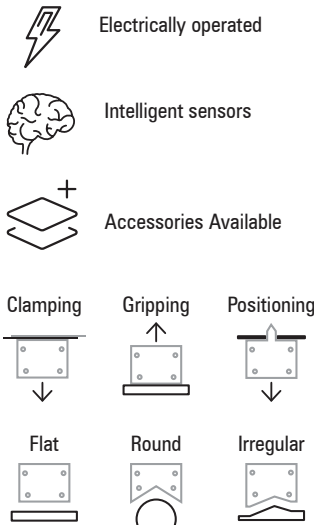
8800837	8800826	88001419	88001420	88001421	88001422
E50 Standard Pole Shoes Kit	E-Series MagMaster 4001	E50 Armor Kit	E50 Flat Pole Shoe Kit, Armor Ready	E50 135 Degree V Pole Shoe Kit, Armor Ready	E50 155 Degree V Pole Shoe Kit, Armor Ready



# SmartMagGrip E30

## SmartMagGrip E30 Key features:

- Electrically actuated
- Magnetic core(s): 30mm
- Integrated Sensors to detect part present
- Variable Field Output
- UR+ Certified



Scan Link



Spec Sheet



SmartMagGrip E30 Kit  
81401484

## Accessories SmartMagGrip E30

88001350	88001423	88001424	88001426	88001427
CoBot SmartMagGrip E30 Bin Picking Kit Complete set for Bin Picking Contains: 1 x SmartMagGrip E30 45° Mount Kit (88001473) 1 x SmartMagGrip E30 Bin Picking Armor Kit (88001423) 1 x SmartMagGrip E30 Standard Pole Shoe Kit – Armor (88001424) 1 x SmartMagGrip E30 135° V-Cut Pole Shoe Kit – Armor (88001426) 1 x SmartMagGrip E30 155° V-Cut Pole Shoe Kit – Armor (88001427)	1 set Armor Kit for E30 Bin Picking E30 Material: Stainless steel	SmartMagGrip E30 Standard Pole Shoe Kit – 1 set flat pole shoes, for Armor Kit E30	SmartMagGrip E30 135° V-Cut Pole Shoe Kit – 1 set v-cut pole shoes, for Armor Kit E30 135°	SmartMagGrip E30 155° V-Cut Pole Shoe Kit – 1 set v-cut pole shoes, for Armor Kit E30 155°



# Cobot Magnet Base

## Cobot MagBase 5 Key features:

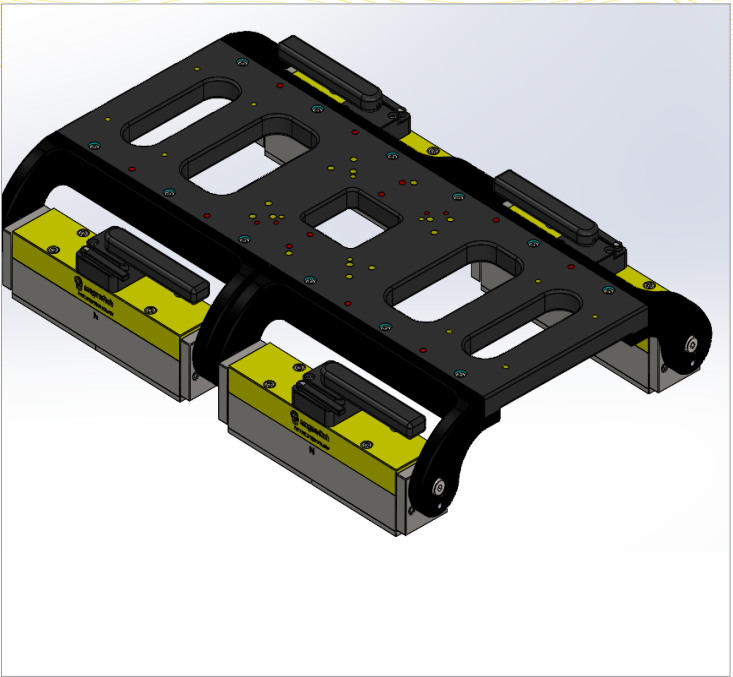
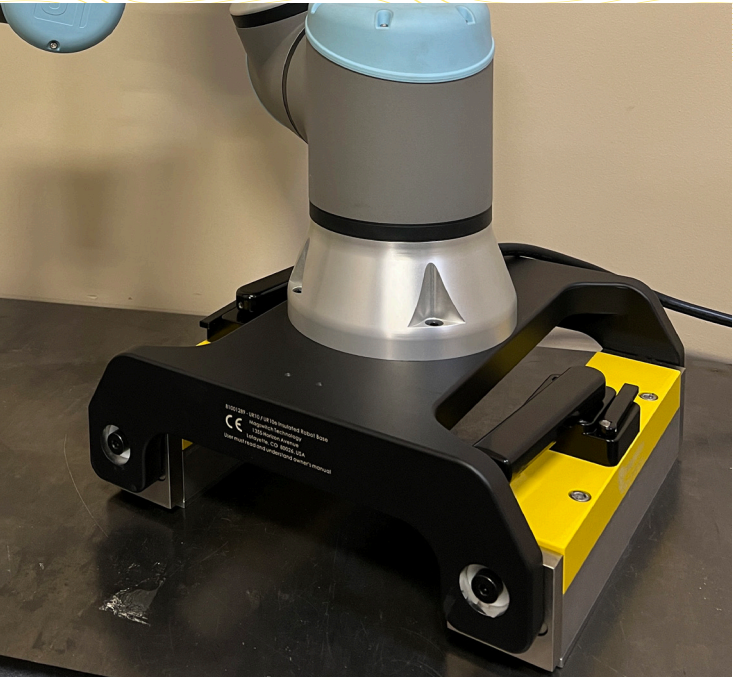
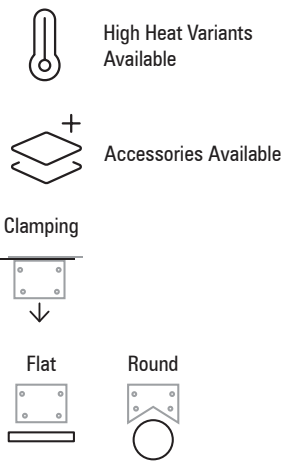
- For Cobot payloads up to 5kg
- 2 manually switchable permanent magnets
- Magnetic core(s): 12 x 30mm

## Cobot MagBase 10 Key features:

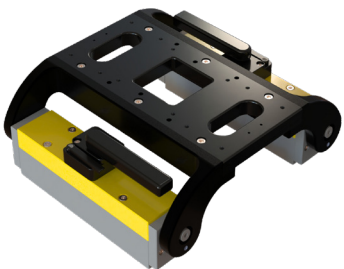
- For Cobot payloads up to 16kg, Contact Magswitch for heavier payloads
- 2 manually switchable permanent magnets
- Magnetic core(s): 10 x 50mm

## MagWing Key features:

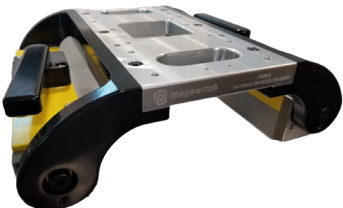
- For Cobot payloads up to 5kg
- 1 manually switchable permanent magnet
- Magnetic core(s): 12 x 30mm



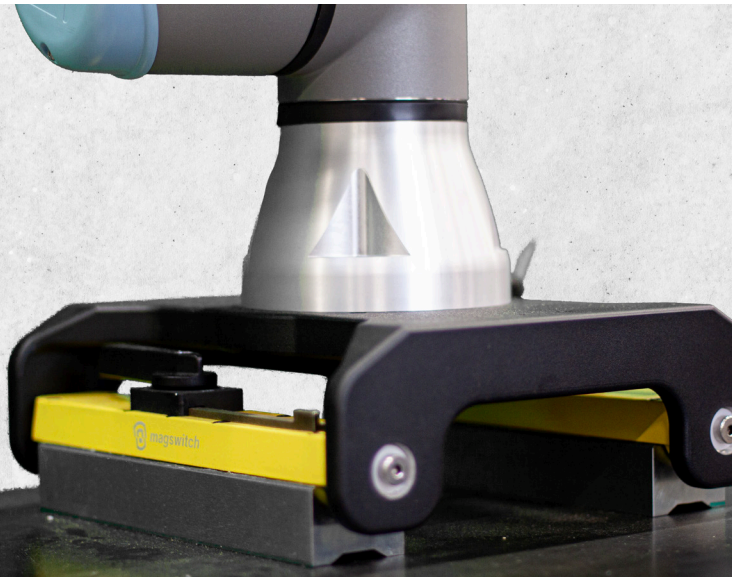
Small MagBase 5.0  
81001276



Large MagBase 10 2.0  
88001856



MagWing 10  
88001778






T-Series

Magswitch T20 Key features:


- Switchable permanent magnet
- Magnetic core(s): 20mm
- Equipped with externally accessible manual override

Magswitch T30 Key features:


- Switchable permanent magnet
- Magnetic core(s): 30mm
- Equipped with externally accessible manual override
- Repeatable mounting (NAAMS)



Pneumatically operated

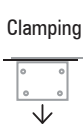


High Heat Variants Available

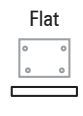


Accessories Available


Clamping




Flat




Gripping




Round

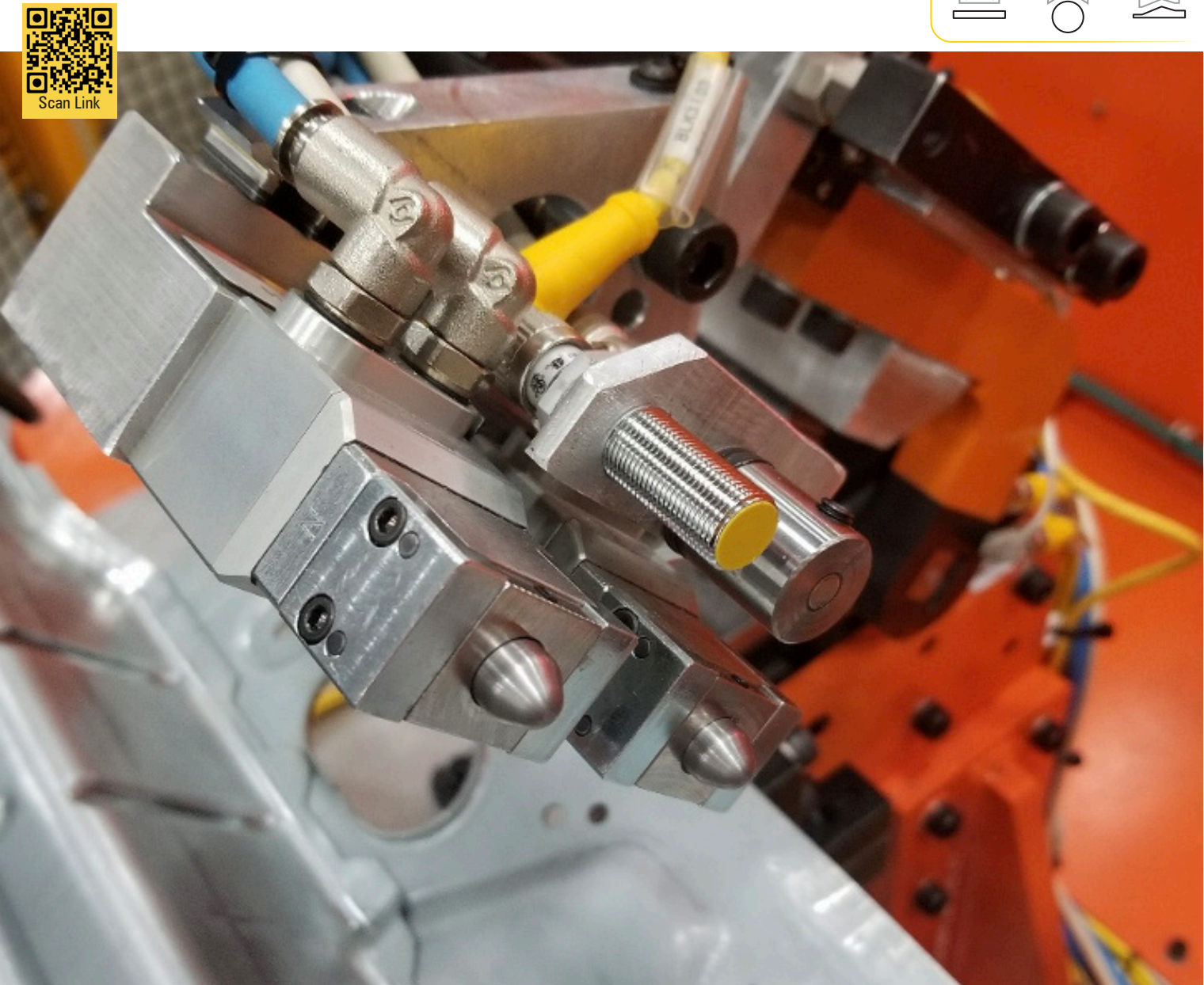
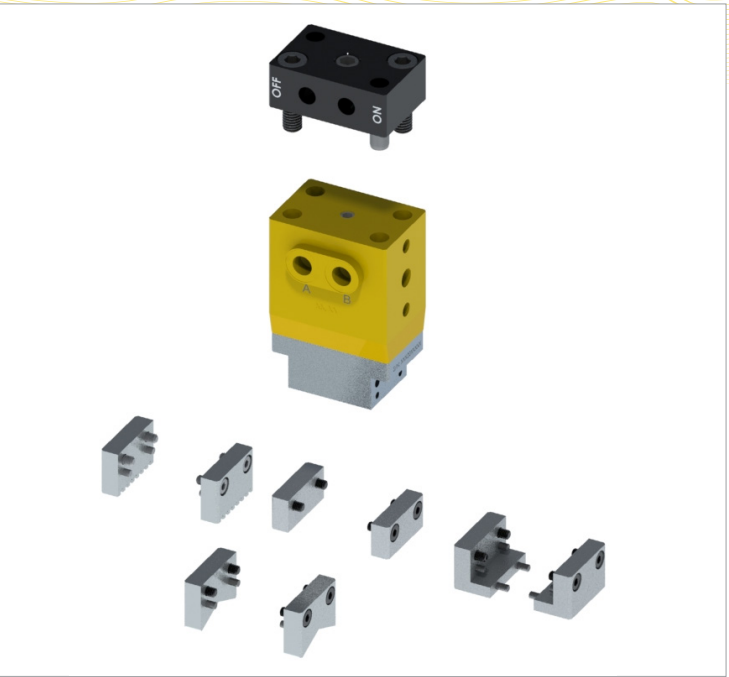
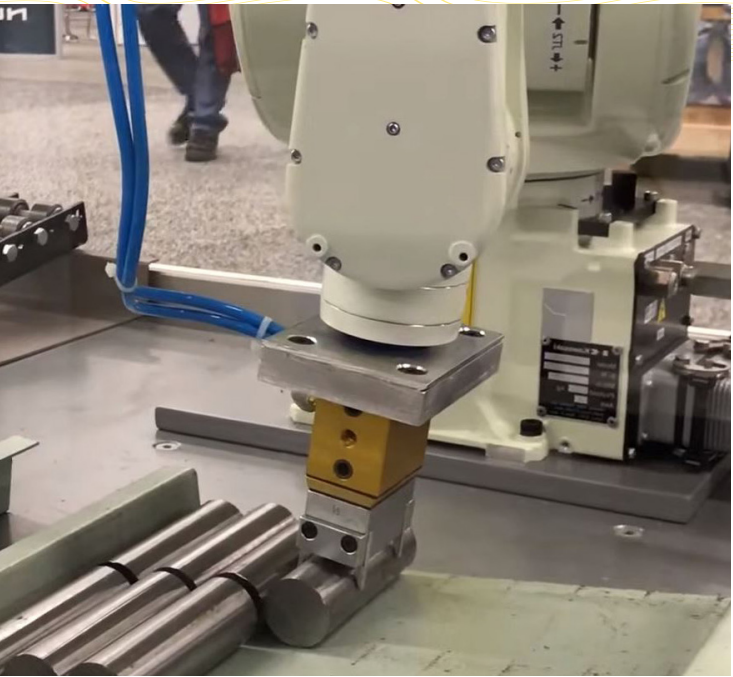


Positioning



Irregular





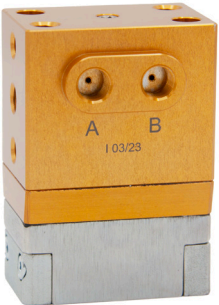
Scan Link



T20  
81401258



Spec Sheet



T30  
81401124



Spec Sheet

Accessories T20

88001444	88001445	88001446	88001447	8800864	8800840	8800878	8800874
T20 Armor Kit	T20 Flat Pole Shoe Kit, Armor Ready	T20 135 Degree V Pole Shoe Kit, Armor Ready	T20 155 Degree V Pole Shoe Kit, Armor Ready	T20 Sensor Cap Kit	T20 Standard Pole Shoe Kit	T20 Thin Optimized Pole Shoe Kit	T20 EW Teeth Pole Shoe Kit 1 set of pole shoes for T20 Tooth Surface extended foot print

Accessories T30

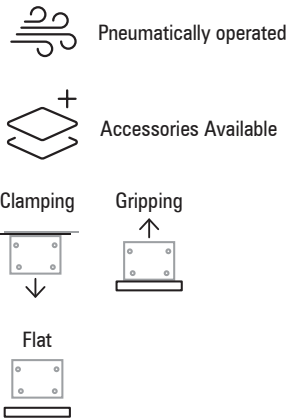
88001440	88001441	88001442	88001443	8800747	8800696	8800756	8800699
T30 Armor Kit	T30 Flat Pole Shoe Kit, Armor Ready	T30 135 Degree V Pole Shoe Kit, Armor Ready	T30 155 Degree V Pole Shoe Kit, Armor Ready	T30 Pin Clamp Pole Shoe Kit	T30 Standard Pole Shoe Kit	T30 Thin Target Pole Shoe Kit	T30 Sensor Cap Kit



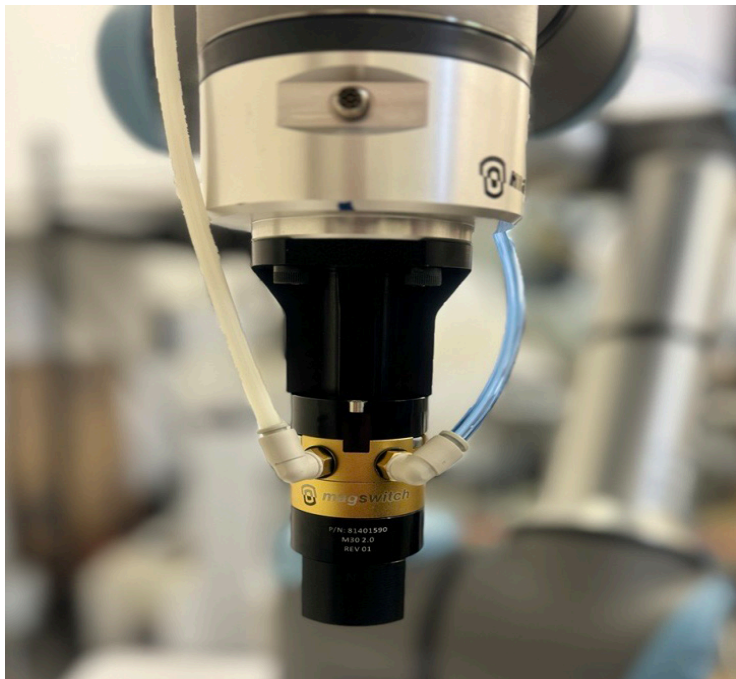
# M-Series

## M30 2.0 magnetic gripper Key features:

- Deep-field pneumatic magnet
- Powerful compact
- NAAMS (and optional G-threaded) mounting interfaces



Scan Link



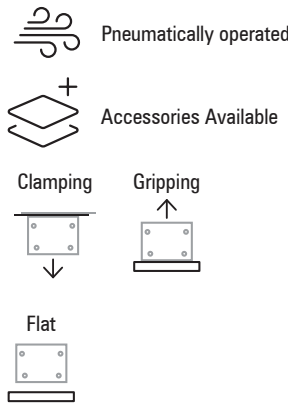
Spec Sheet

M30 2.0 magnetic gripper  
81401590

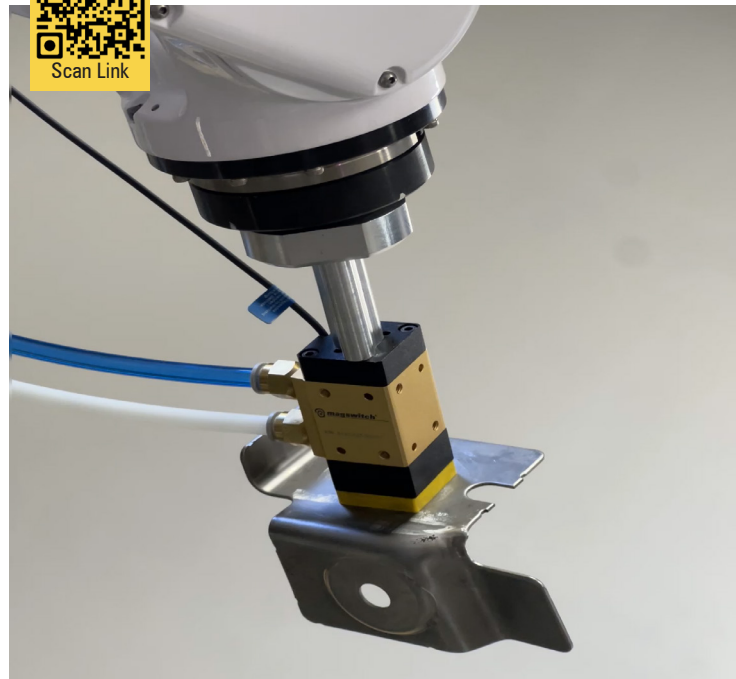
# D-Series

## Magswitch D5 & D12 Key features:

- Small footprint
- Low Air Pressure Requirement
- Fail-Safe
- Designed for thin material <2mm



Scan Link



Spec Sheet

D5 with Sensor Kit  
88001581

D5 without Sensor  
81401540



Spec Sheet

D12 with Sensor Kit  
88001584


D12 without Sensor  
81401541




D-Series

Magswitch D85 & D120 Key features:


- Switchable permanent magnet
- Magnet core linear driven
- Shallow magnetic field
- optimized Holding force for material <2mm



Pneumatically operated




High Heat Variants Available




Accessories Available


Clamping

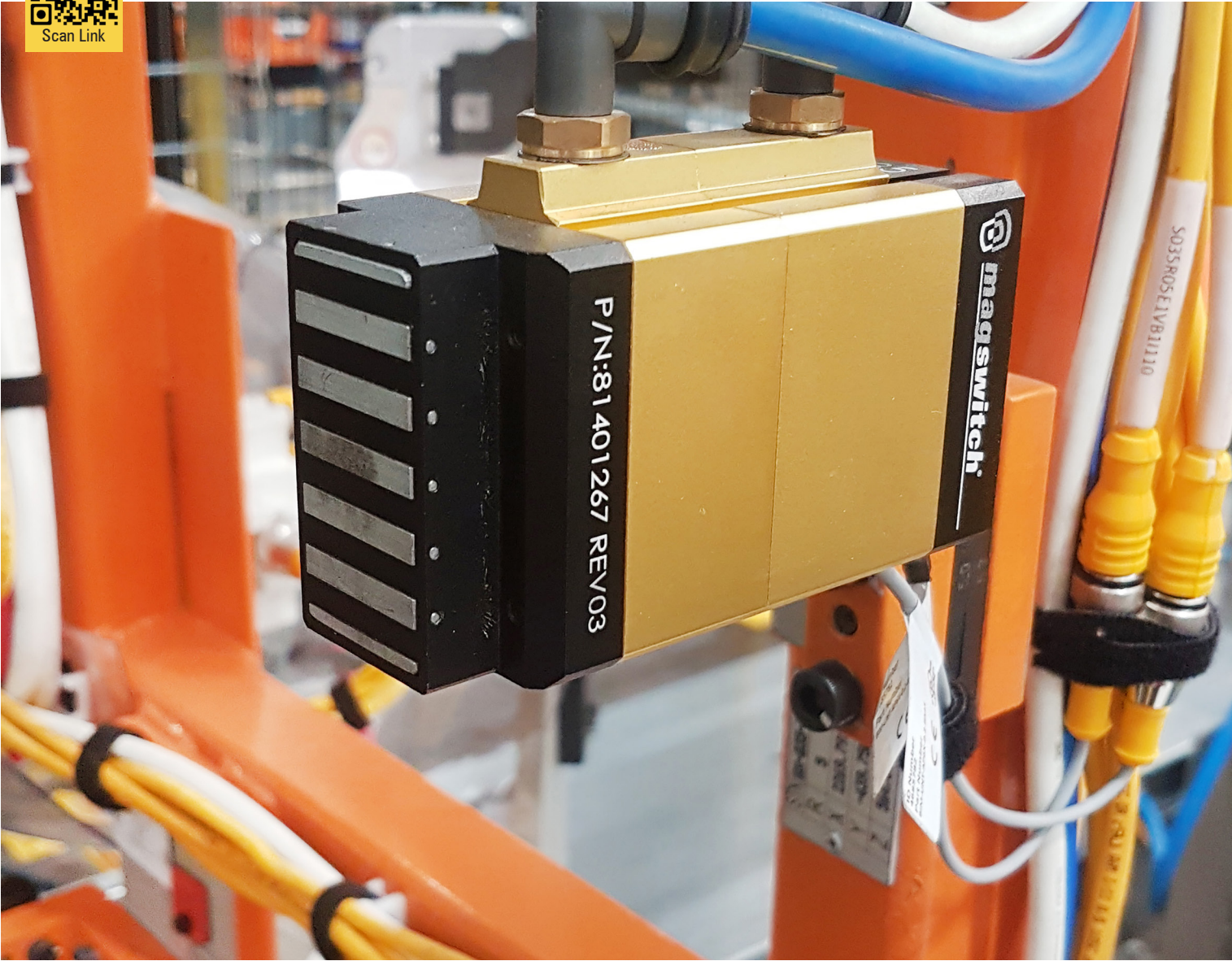


Gripping



Flat





D85  
81401267



D120  
81401457

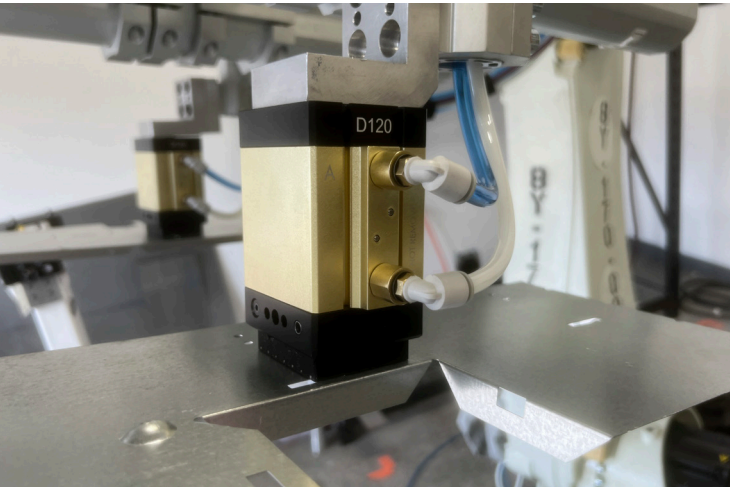
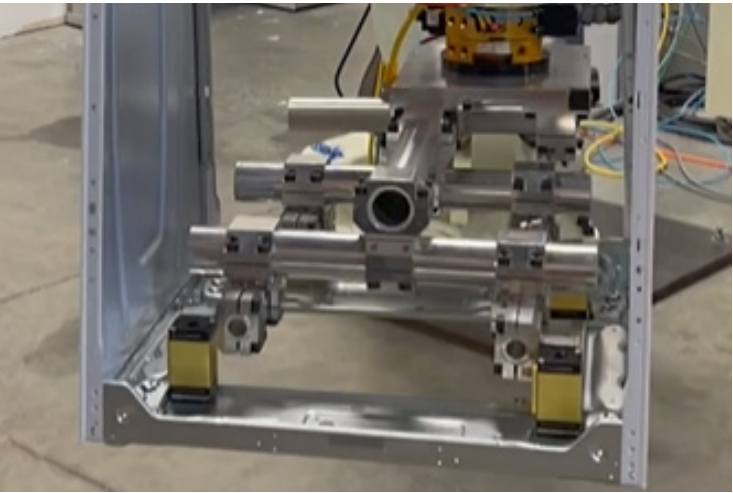


Accessories D85

270414	880501	88001640	88001610
D85/D120 Sensor (Two Required Per Tool)	Ball Mount, NAAMS, 28.5mm, Kit	D85 Compliance Device	Wear Pad Kit

Accessories D120

270414	880501	88001639	88001609
D85/D120 Sensor (Two Required Per Tool)	Ball Mount, NAAMS, 28.5mm, Kit	D120 Compliance Device	Wear Pad Kit





AR-Series

Magswitch AR50 2.0 Key features:

- Switchable permanent magnet
- Magnetic core(s): 50mm
- Repeatable mounting (NAAMS)


Magswitch AR70 Classic Key features:

- Switchable permanent magnet
- Magnetic core(s): 70mm

Magswitch AR110 Key features:

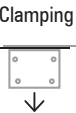
- Switchable permanent magnet
- Magnetic core(s): 110mm

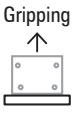


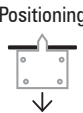
 Pneumatically operated

 High Heat Variants Available

 Accessories Available

Clamping  


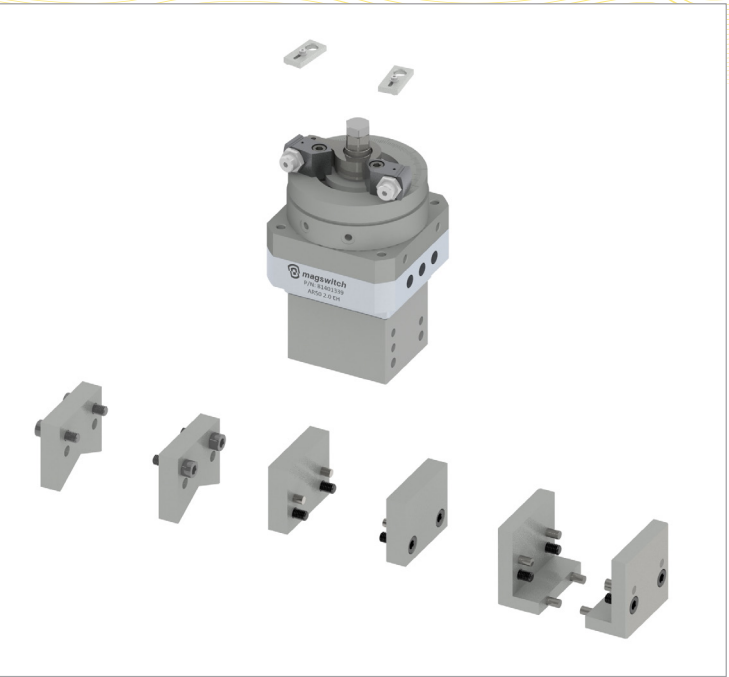
Gripping  


Positioning  


Flat  


Round  

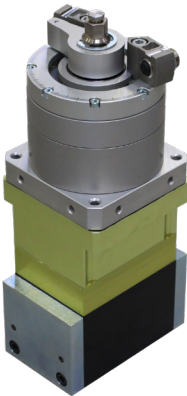

Irregular  

AR50 2.0  
81401167



AR70 Classic  
8140320



AR110  
8140740



Accessories AR50 2.0

88001428	88001429	88001430	88001431	8800797	8800881
AR50 2.0 Armor Kit	AR50 2.0 Flat Pole Shoe Kit, Armor Ready	AR50 2.0 135 Degree V Pole Shoe Kit, Armor Ready	AR50 2.0 155 Degree V Pole Shoe Kit, Armor Ready	AR50 2.0 M8 Prox Sensor Bracket Kit	AR50 2.0 Combo Shoes AR50 2.0 kit

Accessories AR70 Classic

88001415	88001416	88001417	88001418	8800363	8800072	8800797
AR70 Armor Kit	AR70 Flat Pole Shoe Kit, Armor Ready	AR70 135 Degree V Pole Shoe Kit, Armor Ready	AR70 155 Degree V Pole Shoe Kit, Armor Ready	AR70 Standard Pole Shoes AR70 kit	AR70 Combo Shoes AR70 kit	Sensor brackets

Accessories AR110

88001448	88001449	88001450	88001451	8800364	8800073	88001641
AR110 Armor Kit	AR110 Flat Pole Shoe Kit, Armor Ready	AR110 135 Degree V Pole Shoe Kit, Armor Ready	R110 155 Degree V Pole Shoe Kit, Armor Ready	AR110 Standard Pole Shoes Kit	AR110 Combo Shoes Kit	Sensor brackets




PLAY-Series

Magswitch PLAY20x4 NAAMS features:


- Switchable permanent magnet
- Magnetic core(s): 4 x 20mm;
- Repeatable mounting (NAAMS)
- High Temperature Version up to 200°C

Magswitch PLAY30x7 Key features:


- Switchable permanent magnet
- Magnetic core(s): 7 x 30mm
- Repeatable mounting (NAAMS)
- High Temperature Version up to 200°C



Pneumatically operated




High Heat Variants Available




Accessories Available

Clamping




Flat

Gripping

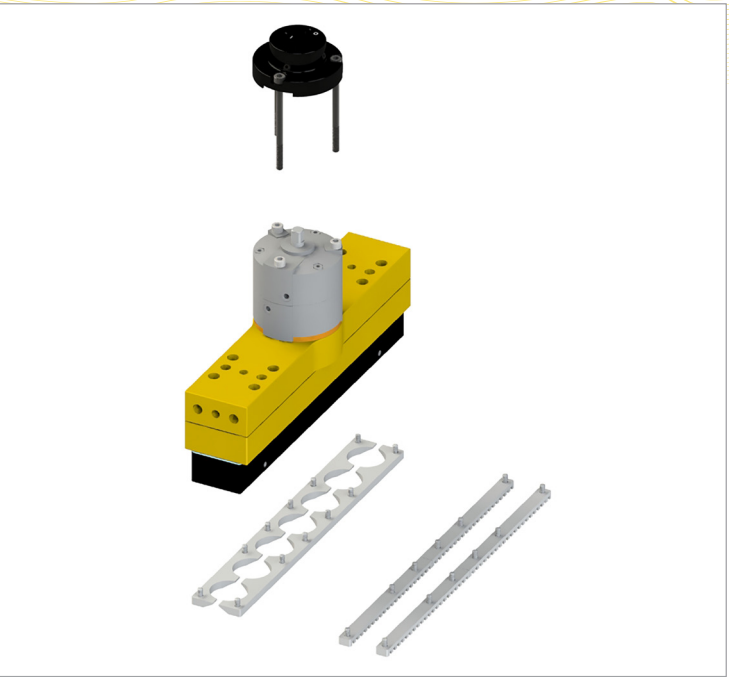


Round

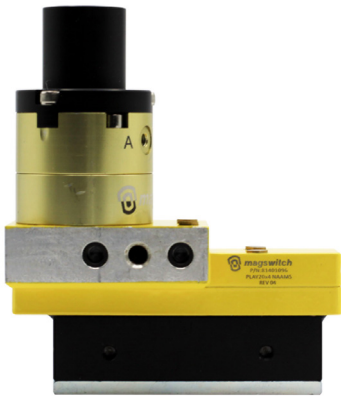
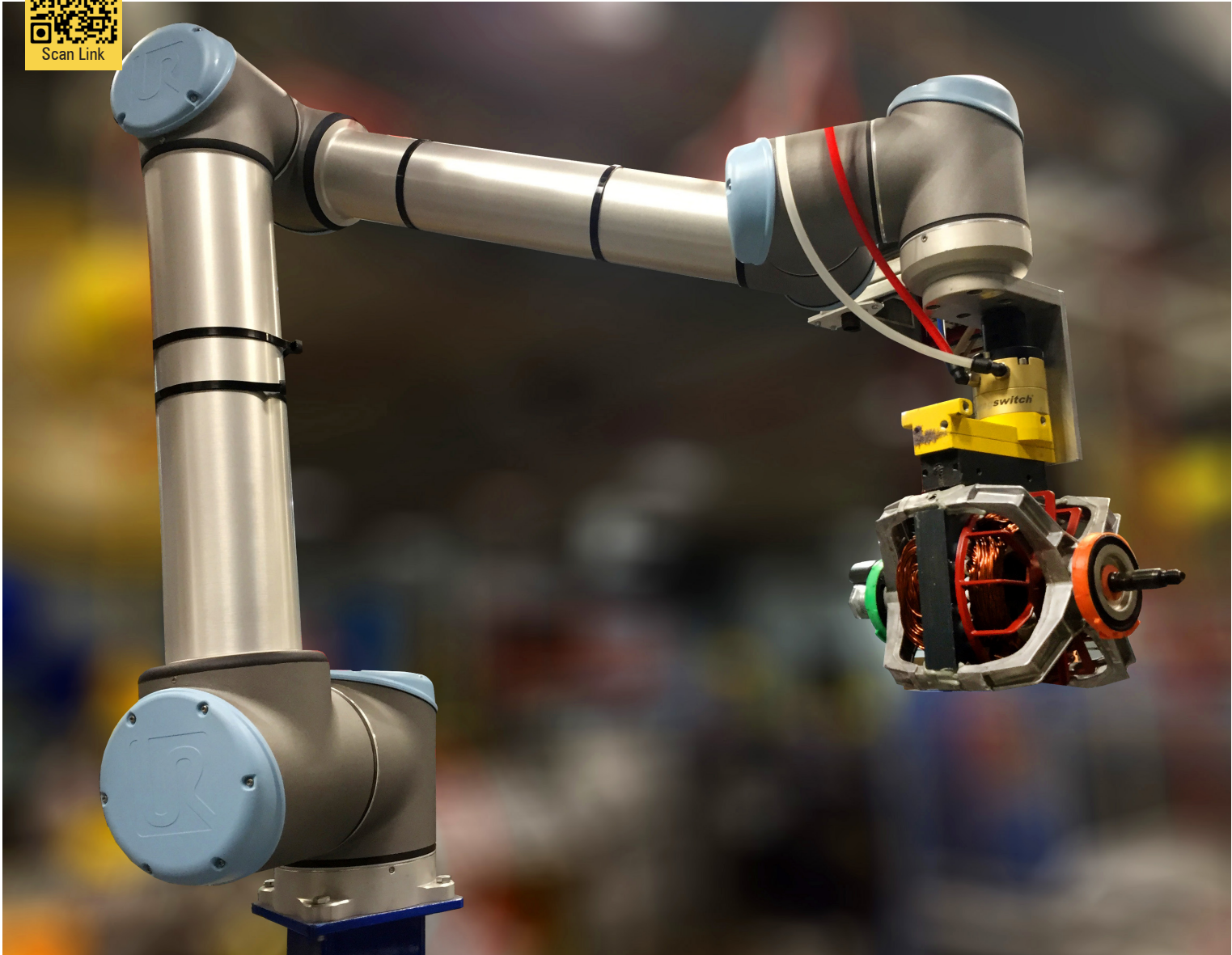
Positioning



Irregular



Scan Link



PLAY20x4 NAAMS  
81401096



Spec Sheet



PLAY30x7  
81401193



Spec Sheet

Accessories PLAY20x4 NAAMS

8800172	8800832	8800500	8800501
PLAY20X4 Combination Pole Shoe Kit	PLAY20x4 Teeth Pole Shoe Kit	PLAY20x4 Ball Mount, NAAMS, 32mm (3 Hole)	PLAY20x4 Ball Mount, NAAMS, 28.5mm (3 Hole)

Accessories PLAY30x7

8800739	8800748	8800758
PLAY30x7 Standard Pole Shoe Kit 1 set of pole shoes for PLAY30x7 standard; flat	PLAY30x7 Thin Target Pole Shoe Kit 1 set of pole shoes for PLAY30x7 Tooth pole shoe kit for thin materials	Prox Cap Kit for PLAY Sensor Cap for inductive prox. Sensors M8 suitable for: PLAY30x7



PLAY-Series

Magswitch PLAY50x2 2.0 Key features:


- Switchable permanent magnet
- Magnetic core(s): 2 x 50mm

Magswitch PLAY50x3 2.0 Key features:


- Switchable permanent magnet
- Magnetic core(s): 3 x 50mm

Magswitch PLAY50x4 2.0 Key features:


- Switchable permanent magnet
- Magnetic core(s): 4 x 50mm



Pneumatically operated

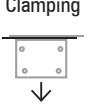


High Heat Variants Available

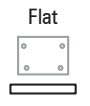


Accessories Available

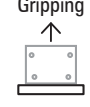
Clamping




Flat



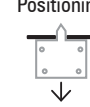
Gripping



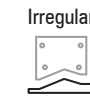
Round

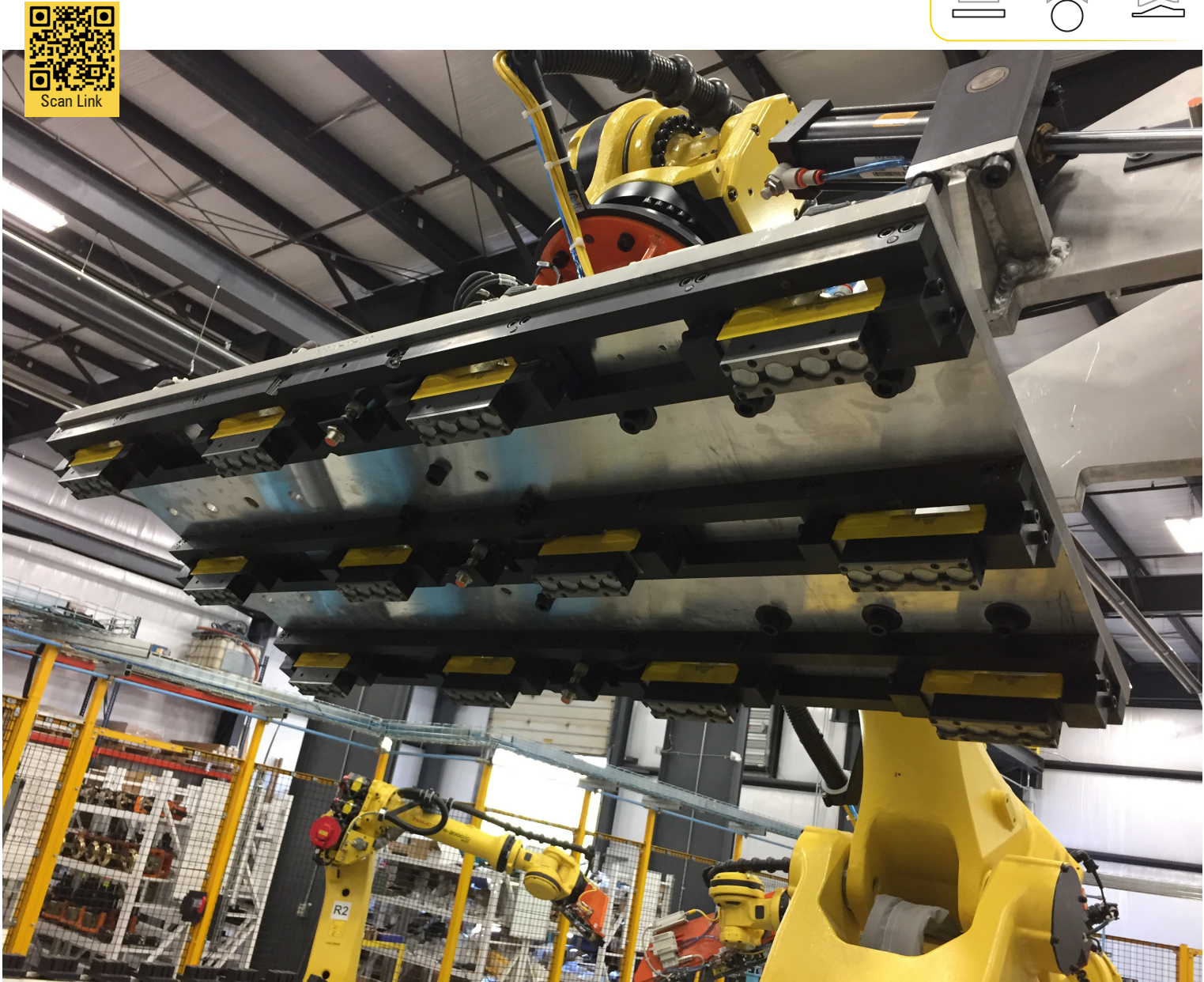
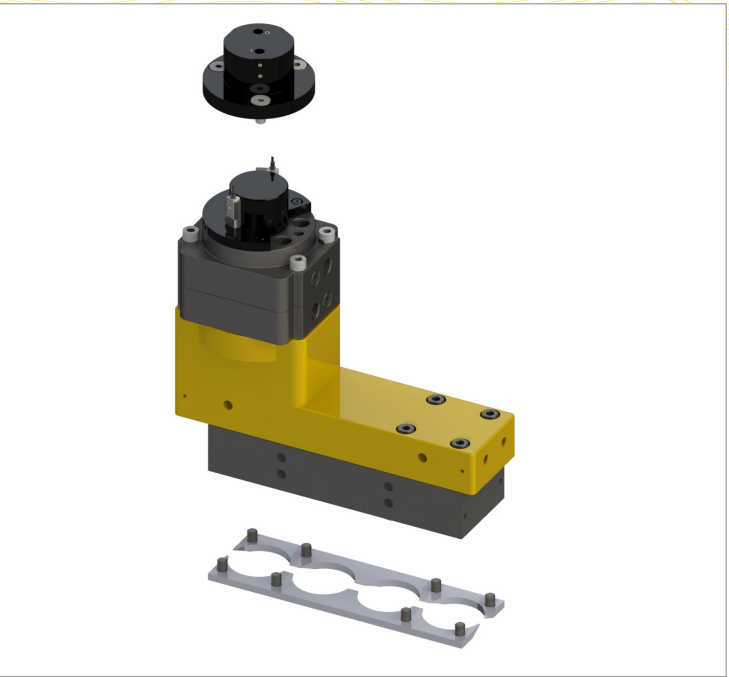


Positioning



Irregular

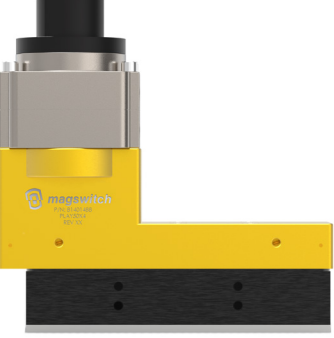




PLAY50x2 2.0  
81401515



PLAY50x3 2.0  
81401521



PLAY50x4 2.0  
81401488

PLAY50x4 2.0 EH  
81401634

Accessories PLAY50x2 2.0

8800292	88001720	88001721	88001722	88001723	81401617
Prox Cap Kit for PLAY50x2	PSK, PLAY50X2 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY50X2 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY50X2 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY50X2 2.0, FLAT TEETH POLE SHOE	PLAY 50x2 EH 2.0, Sustained temperatures of 200C

Accessories PLAY50x3 2.0

8800293	88001716	88001717	88001718	88001719	81401618
Prox Cap Kit for PLAY50x3/4/PLAY70x2	PSK, PLAY50X3 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY50X3 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY50X3 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY50X3 2.0, FLAT TEETH POLE SHOE	PLAY 50x3 EH 2.0, Sustained temperatures of 200C

Accessories PLAY50x4 2.0

8800293	88001372	88001529	88001530	88001699	88001727
PLAY50X4 Prox Cap Kit	PSK, PLAY50X4 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY50X4 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY50X4 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY50X4 2.0, FLAT TEETH POLE SHOE	PLAY50X4 2.0 EOAT Bracket



PLAY-Series

Magswitch PLAY70x2 2.0 Key features:

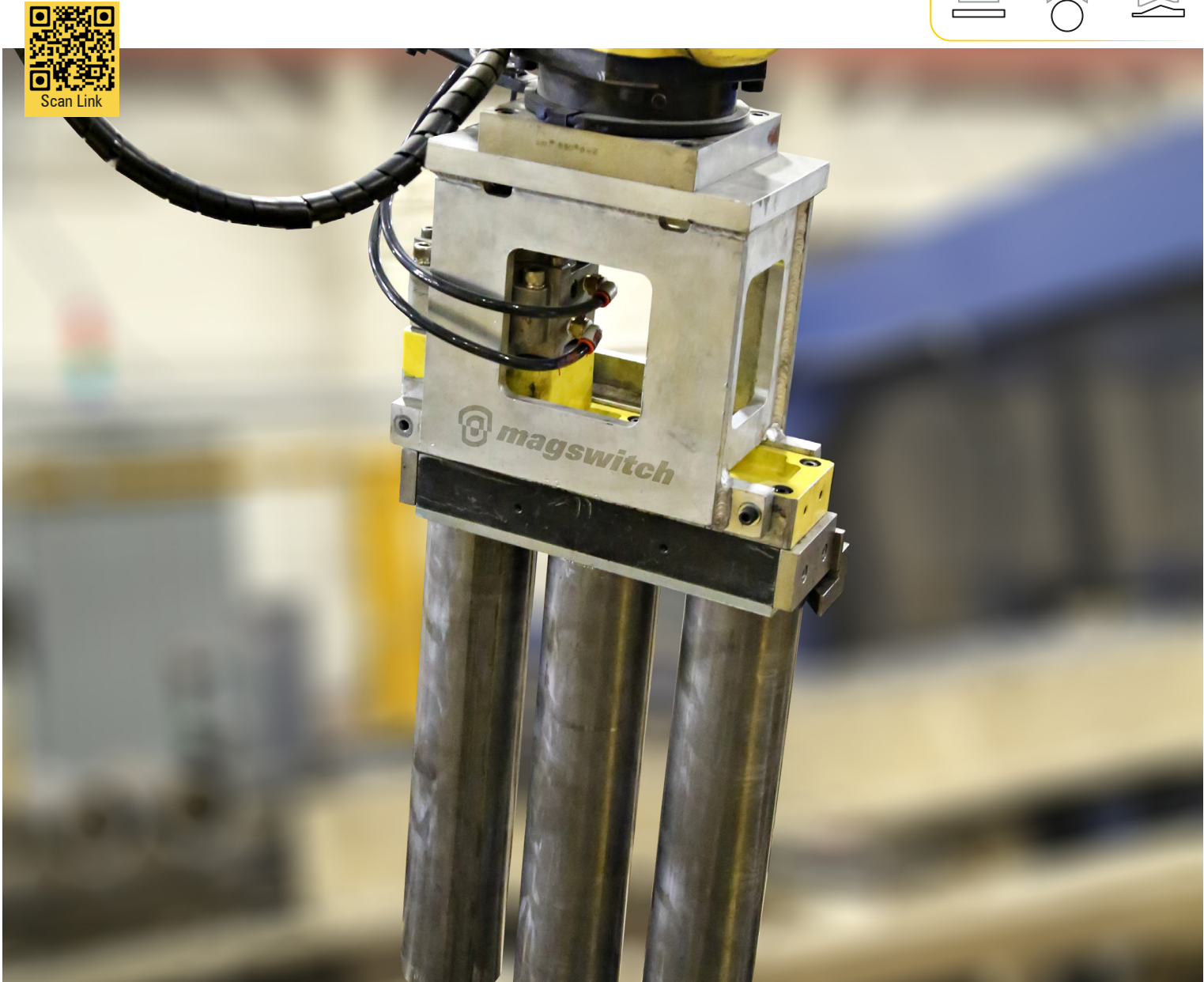
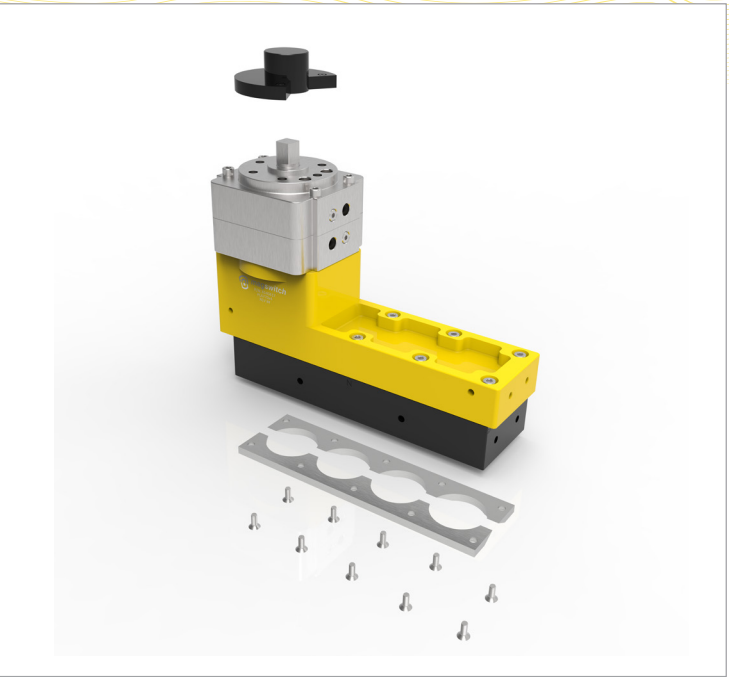
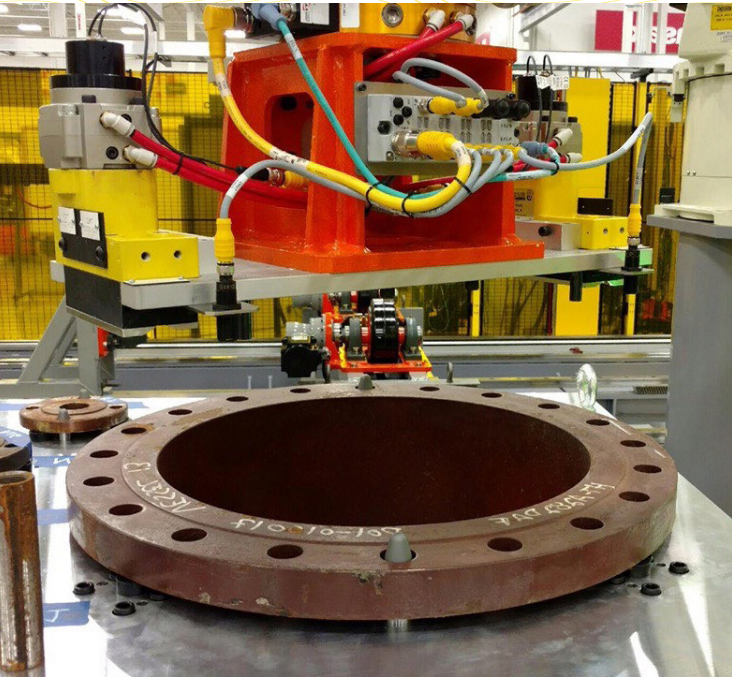
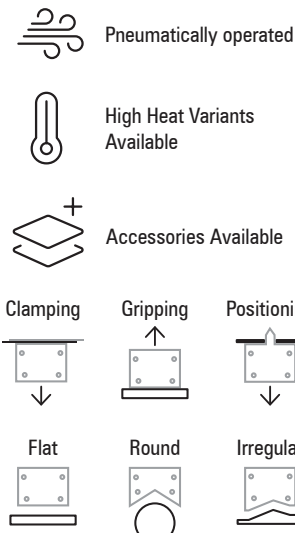
- Switchable permanent magnet
- Magnetic core(s): 2 x 70mm

Magswitch PLAY70x3 2.0 Key features:

- Switchable permanent magnet
- Magnetic core(s): 3 x 70mm

Magswitch PLAY70x4 2.0 Key features:

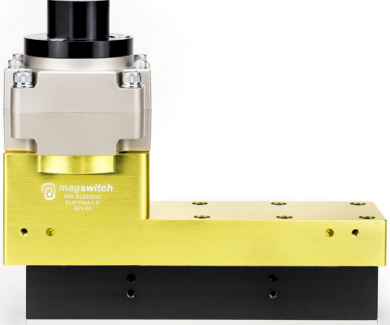
- Switchable permanent magnet
- Magnetic core(s): 4 x 70mm



PLAY70x2 2.0  
81401497



PLAY70x3 2.0  
81401545



PLAY70x4 2.0  
81401520

Accessories PLAY70x2 2.0

8800293	88001704	88001705	88001706	88001707	81401619
Prox Cap Kit for PLAY50x3/4/PLAY70x2	PSK, PLAY70X2 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY70X2 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, FLAT TEETH POLE SHOE	PLAY 70x2 EH 2.0, Sustained temperatures of 200C

Accessories PLAY70x3 2.0

8800294	88001708	88001709	88001710	88001711	81401620
Prox Cap Kit for PLAY70x3/PLAY70x4	PSK, PLAY70X2 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY70X2 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, FLAT TEETH POLE SHOE	PLAY 70x2 EH 2.0, Sustained temperatures of 200C

Accessories PLAY70x4 2.0

8800294	8800079	88001713	88001714	88001715	81401621
Prox Cap Kit for PLAY70x3/PLAY70x4	PSK, PLAY70X2 2.0, FLAT STANDARD POLE SHOE	PSK, PLAY70X2 2.0, 135deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, 155deg V-CUT POLE SHOE	PSK, PLAY70X2 2.0, FLAT TEETH POLE SHOE	PLAY 70x2 EH 2.0, Sustained temperatures of 200C



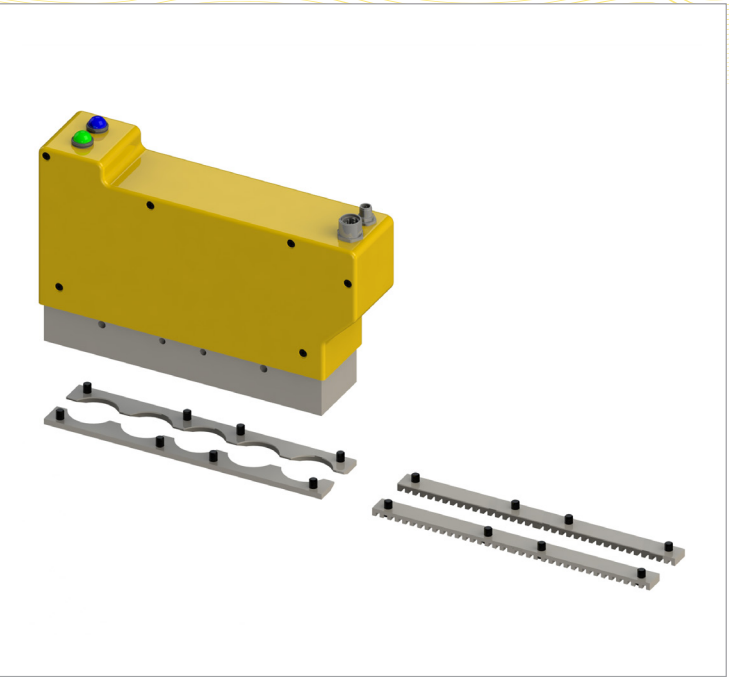
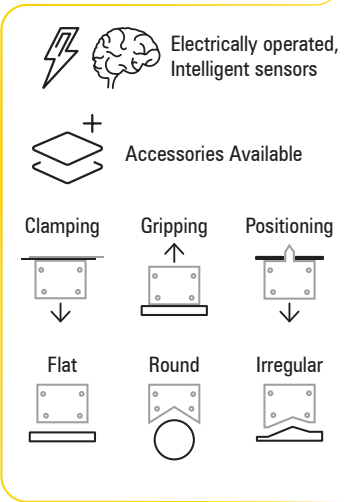
# ELAY-Series

## ELAY30x5 Smart Tool Key features:

- Electrically-actuated switchable permanent magnet
- Magnetic core(s): 5 x 30mm
- Variable Field Output

## ELAY50x5 Smart Tool Key features:

- Electrically-actuated switchable permanent magnet
- Magnetic core(s): 5 x 50mm
- Variable Field Output



ELAY30x5 Smart Tool  
81401338



Spec Sheet



ELAY50x5 Smart Tool  
81401320



Spec Sheet

## Accessories ELAY30x5 Smart Tool

88001110	8800968	88001111	8800826
ELAY30x5 Standard Pole Shoe Kit	ELAY30x5 Thin Target Pole Shoe Kit	ELAY30x5 EOAT Mount	MagMaster: Communication Module for E Series

## Accessories ELAY50x5 Smart Tool

88001109	8800924	8800826
ELAY50x5 Standard Pole Shoe Kit	ELAY50x5 EOAT Mount	MagMaster: Communication Module for E Series



# Cordless Electric Lifters

## Applications: Lifting, Auto ON & Auto OFF Feature

Battery operated lifter uses a magnetic pulse of less than one second to turn the magnet on or off. Battery power is not consumed during the lift.

- Lifter features 3 control modes: Manual Push Button on/off, Remote Control, or Auto On/Off function which eliminates the need for the operator to touch or get close to the load when setting the magnet
- In auto mode, the magnet engages when the lifter is in contact with the steel and the lift hook is not under tension. Auto off occurs when the load is rested and tension is removed from the hook
- This important safety feature allows the operator to stand clear of the lift area
- Fail-safe operation: Built in Safety mechanism maintains full holding force and prevents load release in the event of lost battery charge
- Power reduction for de-stacking or low weight loads
- Available in 4 sizes, holds flat and round steel
- Productivity Increase/less workers needed
- Detachable battery-pack/ back up batteries available for no down time
- Add the hold forces on different material thicknesses



CE 1100  
8140977



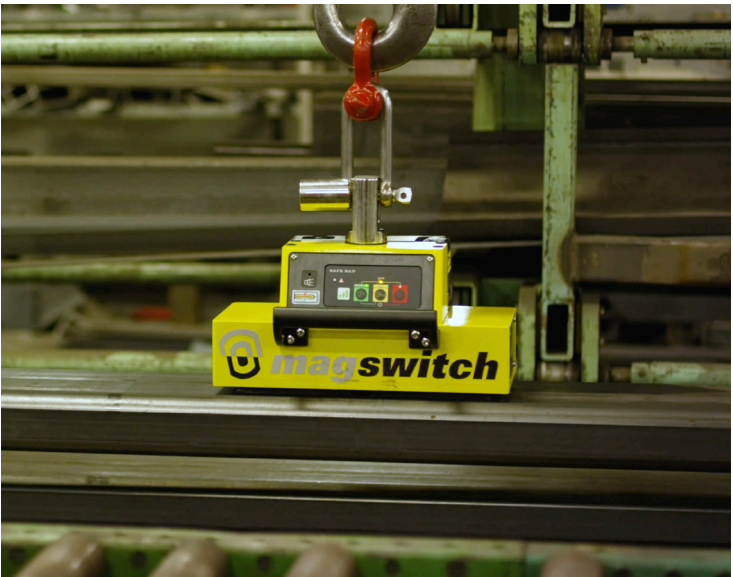
CE 2100  
8140978



CE 6600  
8140979



CE 11000  
8140980





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.

## Applications

## Welding & Fabrication

## Lifting Tools

## Material Handling

## Heavy Lifting Solutions

## Material Alignment

## Woodworking







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[www.magswitch.com](http://www.magswitch.com)



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