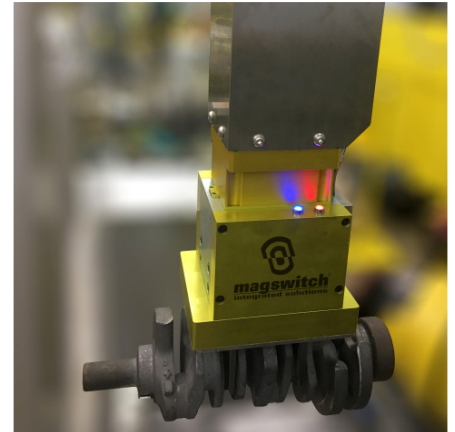
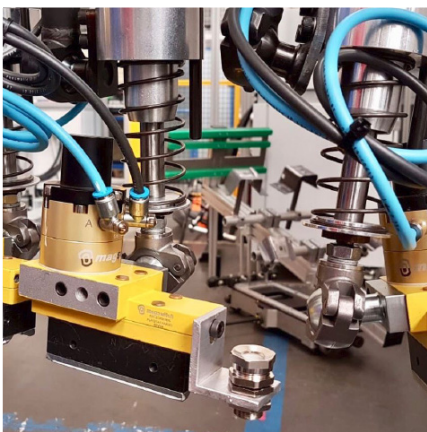


## **REVOLUTIONARY TECHNOLOGY IN AUTOMATION**

Magswitch Automation brings to you the latest and greatest in automation to increase efficiency and speed in production floors. From our brand new electrically actuated tools to smart tools, Magswitch Automation is changing the way things are done!



Contact Magswitch for more information at [magswitch.com](http://magswitch.com) or +1.303.468.0662

## E Series

**Magswitch is excited to introduce our first ever electrically actuated line of automation products - the all NEW E Series!**

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

### Variable Field Output™

The all new Variable Field Output (VFO) 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

- Slim profile optimized for EOAT applications
- 24VDC operation below 1A (E30)
- Serial communication: CANopen Bus
- Combine power and communication in one cable
- Fail-Safe Smart tool
- Variable Field Output (VFO)
- Destack thin parts
- Enhanced bin pick capabilities
- Store multiple calibrations

#### Accessories

**8800782** E30 Standard Pole Shoes Kit

**8800837** E50 Standard Pole Shoes Kit

**8800826** MagMaster: Communication Module for E Series



E30  
81401213



E50  
81401227



FLAT



ROUND

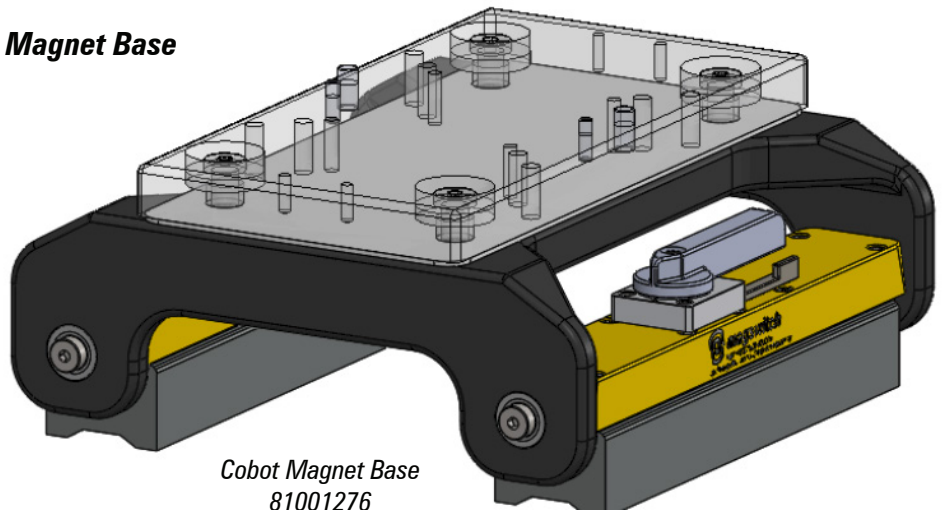


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## Cobot Magnet Base

**Magswitch is excited to add the Cobot Magnet Base to the Automation Product Lineup!**

Intended for use with collaborative robotic arms, the **Cobot Magnet Base** firmly fixtures 10+ kg payload collaborative robots on ferrous materials with a twist of the wrist. The Magswitch pivoting arrays can be anchored to flat and cylindrical surfaces and feature a wide footprint to reduce the risk of peel when the end effector is at its greatest radius. Doweled and electrically isolated mounting plates (sold separately) ensure welding and static transient voltages on the part/substrate are decoupled from the robot ground.



Cobot Magnet Base  
81001276

## **T Series**

**Magswitch T Series** features super compact and powerful tools boasting cutting edge technology enhancements and precision mounting interfaces. These tools are great for fixtures, pin locating and thin part material handling. Additional custom pole shoe geometry allows the T tools to be extremely flexible in multiple applications. This tool is a precision fit for your next project!

### **Accessories**

**8800696** T30 Standard Pole Shoe Kit  
**8800747** T30 Pin Clamp Pole Shoe Kit  
**8800756** T30 Thin Target Pole Shoe Kit  
**8800699** T30 Sensor Cap Kit  
**8800864** T20 Sensor Cap Kit  
**8800840** T20 Standard Pole Shoe Kit  
**8800878** T20 Thin Optimized Pole Shoe Kit

### **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
- 79x54x36 dimension and Maximum Breakaway of 160lb/73kg\*
- In case of power loss and maintenance inspections, the external manual override is included which saves the day!



**T20**  
81401258

**T30**  
81401124



**Have a custom application?**  
**Our Application Engineers can help!**



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## **J Series**

**Magswitch J Series** features integrated smart technology with enhanced real time feedback via sensor integration. Handle double blank detection at an affordable cost and without clunky external sensors.

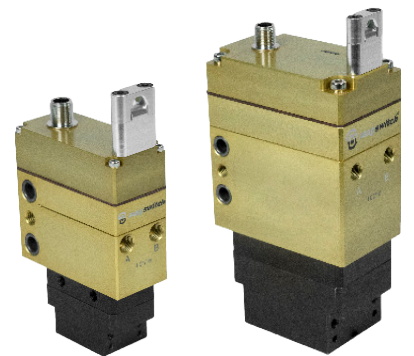
With the J tools, it is easy to calibrate tool to confirm correct part present or identify dangling components via pole contact detection.

### **Accessories**

**8800767** J30 Standard Pole Shoe Kit  
**8800762** J50 Standard Pole Shoe Kit  
**8800794** M12 - 12 pin to dual 5 pin cable adapter  
**8800795** M12 - 12 pin right angle female to pigtail 2m  
**8800796** M12 - 12 pin right angle female to pigtail 5m  
**8800752** M12 - 12 pin Right angle female to straight male 5m  
**8800720** Control/Teach Box

### **Features & Benefits**

- Eliminates the need for additional sensors
- Real time feedback related to pole contact
- Field calibration enables user to configure tools for specific applications
- Ability to store multiple calibrations
- Improved pole shoe mounting
- Repeatable NAAMS mounting
- Great for bin picking applications and any process requiring correct part verification



**J30**  
81401003

**J50**  
81401213



**Degauss is available as an option**  
**when ordering the J Series!**



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ROUND



IRREGULAR



## AR Series

Magswitch AR Series is compact and powerful boasting cutting edge technology enhancements and precision mounting interfaces.

These tools are great for fixtures, pin locating and thin part material handling. Additional custom pole shoe geometry allows for extreme flexibility in applications. This tool is a precision fit for your next project!

### Accessories

**8800760** AR50 2.0 Standard Pole Shoes Kit

**8800881** AR50 2.0 Combo Shoes AR50 2.0 kit

**8800363** AR70 Standard Pole Shoes AR70 kit

**8800072** AR70 Combo Shoes AR70 kit

**8800364** AR110 Standard Pole Shoes Kit

**8800073** AR110 Combo Shoes Kit

### Features & Benefits

- Compact single magnet design
- In case of power loss and maintenance inspections, the external manual override is included which saves the day
- Larger air ports (G1/8) for increased compatibility and robust connections
- Manufactured to precision tolerances with symmetrical NAAMS mounting
- Customizable contact surface
- Maximum power to weight ratio
- Saves energy – 90% less air
- Fail-safe operation



**New & Improved AR50 2.0.  
Replace AR50 Classic!**



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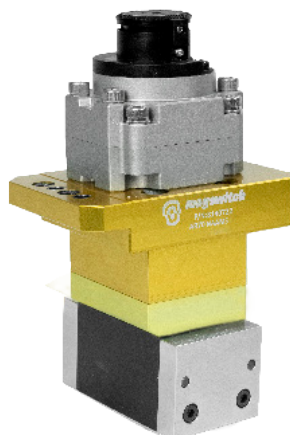
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AR50 2.0  
81401167



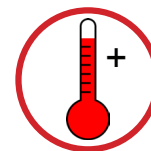
AR 70 Classic  
8140320



AR 70 NAAMS  
8140681



AR 110  
8140740



Our AR Series is available in high temperature versions. They are capable of handling up to 742° Fahrenheit (350° Celsius) and can be used in Hot Stamping applications!

[Learn More](#)

## **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. These tools have customizable pole elements which can be applied to improve handling in any application.

### **Features & Benefits**

- Customizable Contact Surface
- Deep field technology
- Ideal for handling long components
- Saves energy
- Fail-safe operation
- Heavy weight applications



**Have a custom application?  
Our Application Engineers can help!**



FLAT



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PLAY 30x7  
81401193



PLAY20x4  
NAAMS  
81401096



PLAY 50x2  
8140405



PLAY 50x3  
8140393



PLAY 50x4  
8140404



Our PLAY Series is available in high temperature versions. They are capable of handling up to 742° Fahrenheit (350° Celsius) and can be used in Hot Stamping applications!

[Learn More](#)

### **Accessories**

- 8800758** PLAY30x7 Prox Cap Combo shoes Kit
- 8800748** PLAY30x7 Pole Shoe Kit
- 8800832** PLAY20x4 NAAMS Combo Shoes Kit
- 8800306** PLAY50x2 Combo Shoes Kit
- 8800307** PLAY50x3 Combo Shoes Kit
- 8800308** PLAY70x4 Combo Shoes Kit
- 8800309** PLAY70x2 Combo Shoes Kit
- 8800310** PLAY70x3 Combo Shoes Kit
- 8800311** PLAY70x4 Combo Shoes Kit



PLAY 70x2  
8140391



PLAY 70x3  
8140544



PLAY 70x4  
8140681

## D85

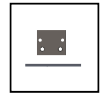
Joining the Magswitch family is the D Series. The new D85 is a narrow footprint tool intended for use picking sheet metal. Featuring multiple shallow field array technology, it is a mighty pneumatic tool which excels at de-stacking and lifting thin materials when most larger magnets can't get a grip.

### Features & Benefits

- Ideal for sheet metal pick and place
- Small footprint for locating complicated geometries
- Low Air Pressure Requirement
- Fail-Safe

### Accessories

Class-A-Boot  
Tool On/Off Sensors  
Mounting Accessories



FLAT

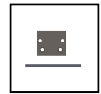
**D85**  
81401267

## M10AY ASC

Need to handle thinner parts or lift to shear? The AY series tools utilize patented shallow field technology to enable de-stacking of thin sheets. The advanced field pattern increases shear performance over single unit tools. This tool is only for use on flat areas.

### Features & Benefits

- Better performance in shear
- Replaces suction cups
- Best tool for de-stacking
- Saves energy
- Fail-safe operation
- Shallow field technology



FLAT

**M10AY ASC**  
8140543

## Manual Sheet Fanner

Magnetic sheet fanner 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.

### Features & Benefits

- 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



FLAT



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**Manual Sheet Handler**  
8100871