



Product Catalog

Cordless Electric Lifters

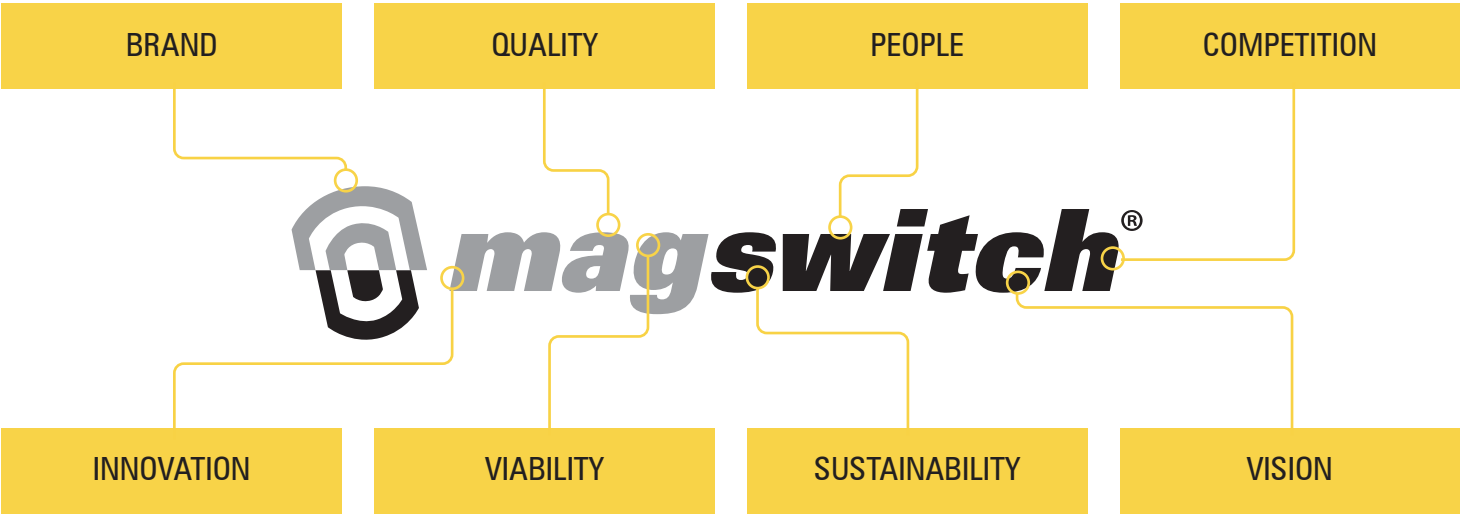
Cordless Electric Lifters - CE Lifters

“Magswitch’s new Cordless Electric line is a hands-free option for handling parts, plate and round material. For actuation, operators can choose between using the manual pushbuttons, wireless remote *, or the AUTO mode. From handling 1/4in (6mm) plate up to large slabs and round material, the Cordless Electric lifting magnets requires no connection to an external power supply. When handling thin material, De-Stacking plate is easy with our VFO capability. Select the corresponding power level and proceed to safely lift. ” *select models

Application

- For lifting plate, flat and round material
- For use in machine shops, heavy and light fabrication, shipbuilding, tool manufacturing
- Rechargeable, Battery Powered
- Can be combined with multiple units on a spreader beam

Magswitch DNA



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

Automation is the Global Growth Industry that greatly increases safety and efficiency. At Magswitch our customers can start with simple but effective welding, lifting, and joining tools. They will progress to semiautomation with lift assist, auto on/off small lifters and hand lifters. Cobotics combines the efficiency of robotics with direct interface with employees in an open work environment.

With sophisticated smart heavy lift systems, Magswitch offers systems that can select parts to remove from your burn table or that can lift a 50 ton sub-assembly.

Robotics is replacing repetitive functions, Magswitch can give you advice on the correct tools to grip and the robot integrator who can assist your investment decision.

Fundamentally we understand that our customers are evolving to improve their competitive position. Whether its production efficiency, increased safety or scaling your business, Magswitch is committed to being with our customers every step of the way. Call a Magswitch consultant to ensure you get the right advice from an expert you can trust.



Changing The Way Things Are Done

Our Mission: Magswitch is the number one technology in magnetics, with over 65 patents globally. Magswitch commits between 15% and 20% of total revenue to new technology and product development. Magswitch magnetic tools deliver innovative solutions that increase safety, productivity and efficiency in industries such as automotive robotic assembly, heavy steel fabrication, general manufacturing, heavy industry and a range of consumer goods.

To maintain our number one competitive spot by applying disruptive technology across industries delivering quality design, engineering, customer service and support.



Benefits

- True On/Off - Magnet stays clean
- Fail-safe technology – no power required
- Rare Earth magnets – no power required
- Stronger & scalable force allows a better control
- Lighter, stronger on thin material & easier to use.
- Precise positioning



Sustainability

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

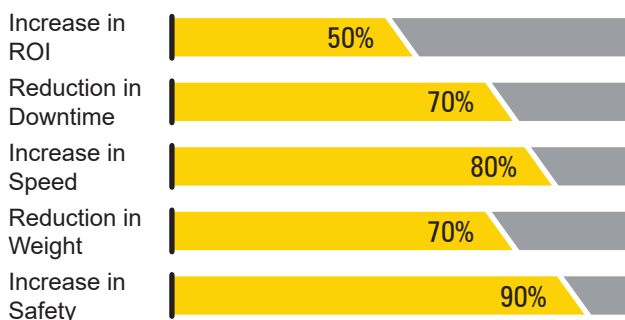


Safety

We consider safety in everything we do. If you work around steel, safety is the first consideration. Fewer hands 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. Keep your employees away from steel being moved, auto on means workers are not climbing and handling steel, standoff control of the load removes workers from a fall zone. Faster connection and movement delivers a safer efficient work zone.



Our Success



CE 440

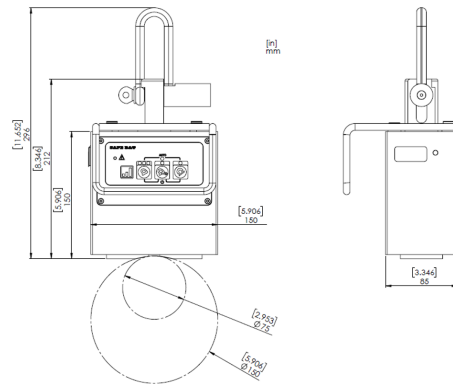
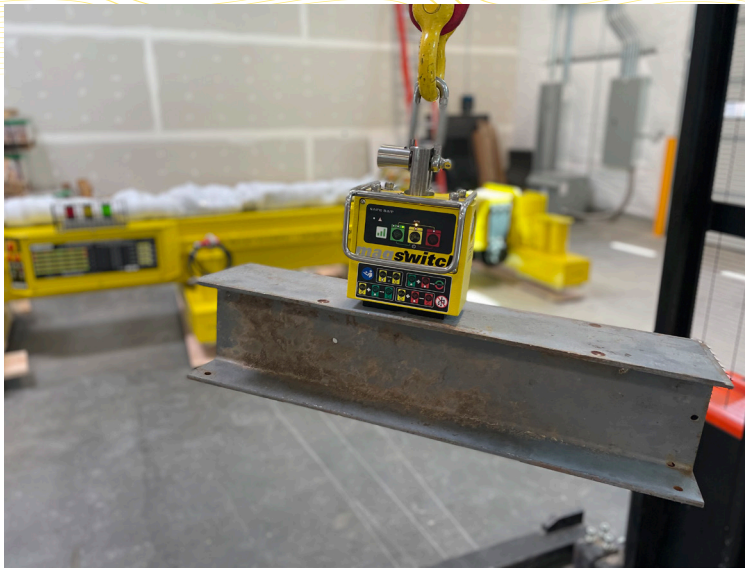
Features

- Great for removing small parts from a burn table.
- Lightweight and compact, the CE 440 is perfect for guiding smaller pieces around a shop.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- Up to 1000 operation cycles before recharging 2h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min).
- On tool button
- Replaceable and part specific Pole shoes.

Important: ASME B30.20 standards take precedence over all data provided.

We strongly advise operators to be familiar with this standard prior to using any underhook lifter.





Part No. 8140976

Maximum Breakaway Force	1320lb / 600 kg
Breakaway Force @ SWL 3:1	440lb / 200kg
Minimum Thickness for De-Stacking – VFO capable	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in /
Charging Supply Voltage	110V/230V
Charging Time	2 hours
Number of Cycles per Charge	1000
Net Weight	22lb / 10kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	4.5in x 2in
Dimensions (L x W x H)	5.9in x 3.3in x 5.9in

Part No. 8140976

CE 440 Material Thickness mm [in]	4 [0.157]	6 [0.236]	10 [0.393]	16 [0.629]	20 [0.787]
Air gap <0.1mm Max. Load kg [lbs]	35 [77]	70 [154]	135 [297]	190 [418]	200 [440]
Air gap 0.1 to 0.3mm Max. Load kg [lbs]	30 [66]	65 [143]	130 [286]	185 [407]	190 [418]
Air gap 0.3 to 0.5mm Max. Load kg [lbs]	30 [66]	60 [132]	120 [264]	170 [374]	180 [396]

CE 1100

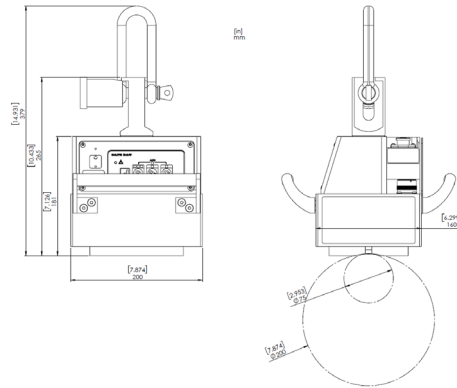
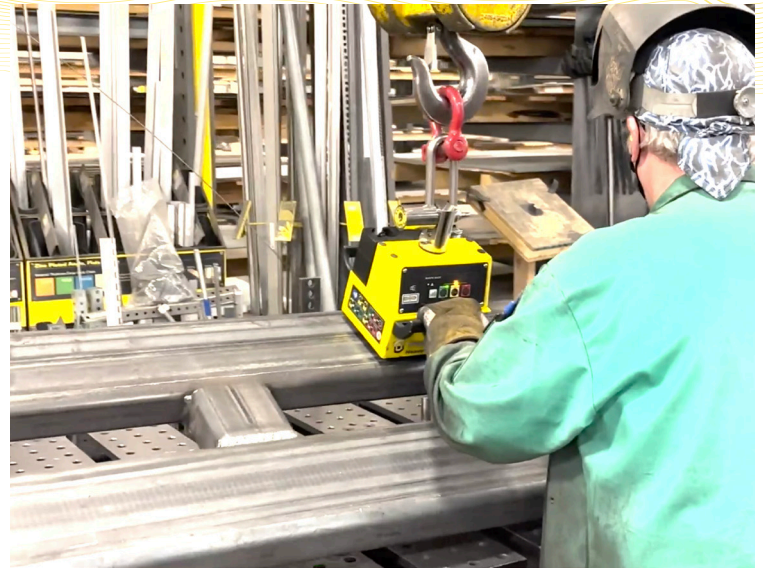
Features

- Perfect for maneuvering larger cut outs from the burn table, as well as small sheets.
- Capable of being used as a positioning/holding tool, for grinding or fixturing small pieces together.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- Up to 1000 operation cycles before recharging 2h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min).
- On tool button or by wireless remote control.
- Replaceable and part specific Pole shoes.

Important: ASME B30.20 standards take precedence over all data provided.

We strongly advise operators to be familiar with this standard prior to using any underhook lifter.





Part No. 8140977

Maximum Breakaway Force	3300lb / 1500 kg
Breakaway Force @ SWL 3:1	1100lb / 500kg
Minimum Thickness for De-Stacking – VFO capable	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in /
Charging Supply Voltage	110V/230V
Charging Time	2 hours
Number of Cycles per Charge	1000
Net Weight	55lb / 25kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	5.7in x 5in
Dimensions (L x W x H)	7in x 6.3in x 5.5in

Part No. 8140977

CE 1100 Material Thickness mm [in]	4 [0.157]	6 [0.236]	10 [0.393]	16 [0.629]	20 [0.787]	25 [0.984]	40 [1.574]
Air gap <0.1mm Max. Load kg [lbs]	55 [121]	105 [231]	235 [518]	375 [826]	415 [914]	445 [981]	500 [1102]
Air gap 0.1 to 0.3mm Max. Load kg [lbs]	50 [110]	100 [220]	225 [496]	360 [793]	395 [870]	425 [936]	470 [1036]
Air gap 0.3 to 0.5mm Max. Load kg [lbs]	50 [110]	90 [198]	205 [451]	330 [727]	360 [793]	380 [837]	415 [914]

CE 2100

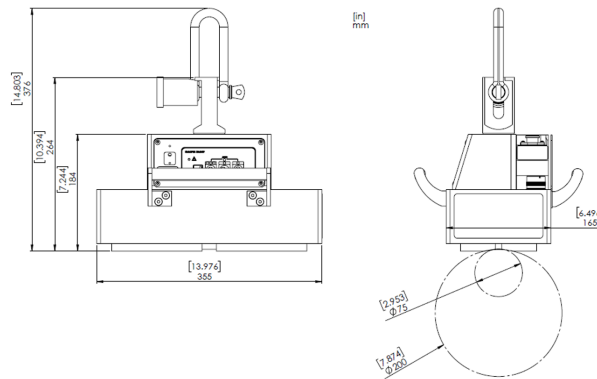
Features

- With 2100LBS at a 3:1 safe working load, the CE2100 covers a broad range of lifting applications around most shops.
- This magnet is not only great for plates but also for handling square and round tubing.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- Up to 500 operation cycles before recharging 8h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min)
- On tool button or by wireless remote control
- Coming in 2023 – replaceable and part specific Pole shoes

Important: ASME B30.20 standards take precedence over all data provided.

We strongly advise operators to be familiar with this standard prior to using any underhook lifter.





Part No. 8140978

Maximum Breakaway Force	6300lb / 2850 kg
Breakaway Force @ SWL 3:1	2100lb / 950kg
Minimum Thickness for De-Stacking – VFO capable	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in /
Charging Supply Voltage	110V/230V
Charging Time	8 hours
Number of Cycles per Charge	500
Net Weight	90lb / 41kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	12.6in x 5.1in
Dimensions (L x W x H)	14in x 6.5in x 6.7in

Part No. 8140978

CE 2100 Material Thickness mm [in]	4 [0.157]	6 [0.236]	10 [0.393]	16 [0.629]	20 [0.787]	25 [0.984]	40 [1.574]
Air gap <0.1mm Max. Load kg [lbs]	95 [209]	190 [418]	380 [837]	645 [1421]	825 [1818]	915 [2017]	950 [2094]
Air gap 0.1 to 0.3mm Max. Load kg [lbs]	90 [198]	185 [407]	370 [815]	620 [1366]	790 [1741]	880 [1940]	900 [1984]
Air gap 0.3 to 0.5mm Max. Load kg [lbs]	85 [187]	175 [385]	355 [782]	570 [1256]	725 [1598]	795 [1752]	810 [1785]

CE 6600

Features

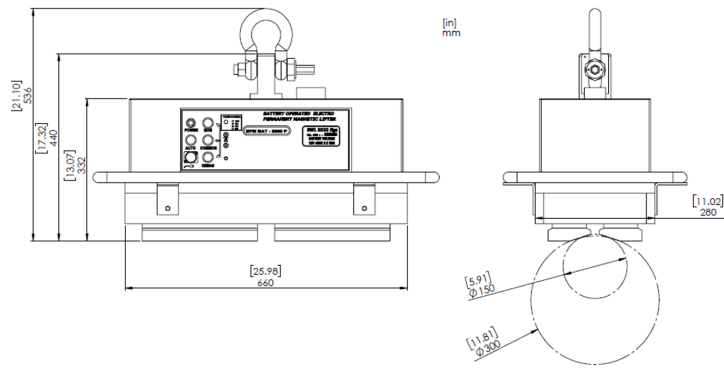
- Great for most of your thick and heavy plate lifting needs.
- Whether it is short or long plate, the power of the CE 6600 can handle most applications with the use of just one magnet.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- Up to 300 operation cycles before recharging 8h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min).
- On tool button or by wireless remote control.
- Replaceable and part specific Pole shoes.

Important: ASME B30.20 standards take precedence over all data provided.

We strongly advise operators to be familiar with this standard prior to using any underhook lifter.



Scan Link



Part No. 8140979

Maximum Breakaway Force	19800lb / 9000 kg
Breakaway Force @ SWL 3:1	6600lb / 3000kg
Minimum Thickness for De-Stacking – VFO capable	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in /
Charging Supply Voltage	110V/230V
Charging Time	8 hours
Number of Cycles per Charge	300
Net Weight	418lb / 190kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	18in x 9in
Dimensions (L x W x H)	22in x 13.4in x 19.6in

Part No. 8140979

CE 6600 Material Thickness mm [in]	4 [0.157]	6 [0.236]	10 [0.393]	16 [0.629]	20 [0.787]	25 [0.984]	38 [1.496]	50 [1.968]
Air gap <0.1mm Max. Load kg [lbs]	220 [485]	415 [914]	880 [1940]	1255 [2766]	1980 [4365]	2550 [5621]	2830 [6239]	3000 [6613]
Air gap 0.1 to 0.3mm Max. Load kg [lbs]	195 [429]	400 [881]	860 [1895]	1220 [2689]	1900 [4188]	2445 [5390]	2680 [5908]	2840 [6261]
Air gap 0.3 to 0.5mm Max. Load kg [lbs]	170 [374]	380 [837]	825 [1818]	1160 [2557]	1765 [3891]	2235 [4927]	2395 [5280]	2560 [5643]

CE 11000

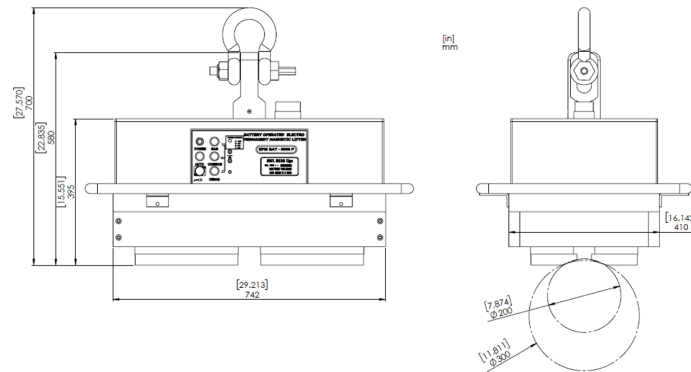
Features

- Perfect for lifting and moving your heaviest steel slabs.
- With the V profile, lifting round billets is made possible.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- Up to 300 operation cycles before recharging 8h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min).
- On tool button or by wireless remote control
- Coming in 2023 – replaceable and part specific Pole shoes

Important: ASME B30.20 standards take precedence over all data provided.

We strongly advise operators to be familiar with this standard prior to using any underhook lifter.





Part No. 8140980

Maximum Breakaway Force	33070lb / 15000 kg
Breakaway Force @ SWL 3:1	11000lb / 5000kg
Minimum Thickness for De-Stacking – VFO capable	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in /
Charging Supply Voltage	110V/230V
Charging Time	8 hours
Number of Cycles per Charge	300
Net Weight	1146lb / 520kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	26.7in x 15in
Dimensions (L x W x H)	29in x 16in x 12.5in

Part No. 8140979

CE 11000 Material Thickness mm [in]	4 [0.157]	6 [0.236]	10 [0.393]	16 [0.629]	20 [0.787]	25 [0.984]	38 [1.496]	50 [1.968]
Air gap <0.1mm Max. Load kg [lbs]	365 [804]	690 [1521]	1465 [3229]	2095 [4618]	3300 [7275]	4250 [9369]	4715 [10394]	5000 [11023]
Air gap 0.1 to 0.3mm Max. Load kg [lbs]	325 [716]	670 [1477]	1435 [3163]	2035 [4486]	3170 [6988]	4075 [8983]	4470 [9854]	4735 [10438]
Air gap 0.3 to 0.5mm Max. Load kg [lbs]	290 [639]	640 [1410]	1375 [3031]	1930 [4254]	2945 [6492]	3720 [8201]	3990 [8796]	4265 [9402]

Magswitch Solutions - At Every Step Of The Way

- Shipbuilding/Ship Fitting
- Welding & Fabrication
- Material Handling
- Material Alignment

- Woodworking Tools
- Heavy Lifting Solutions
- Automation



Heavy Lifting Solutions



Material Handling



Welding & Fabrication



Material Alignment



Woodworking Tools

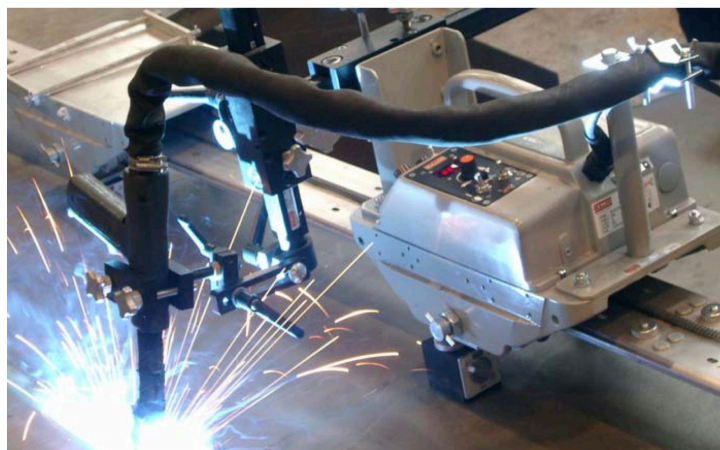
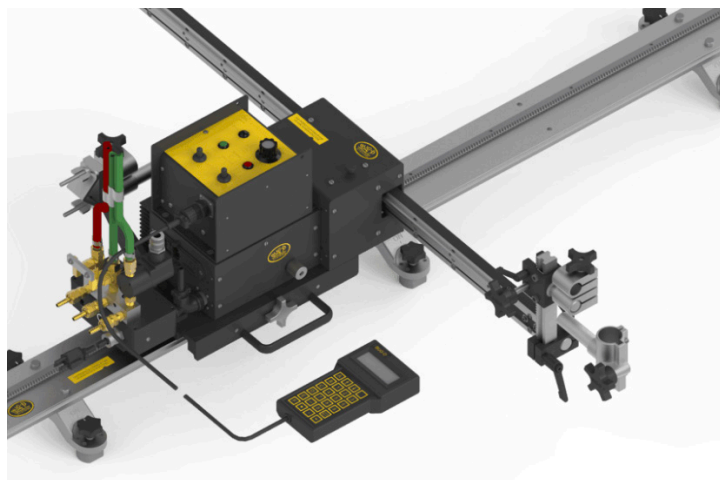


Automation

Magswitch Integration Into Your Products

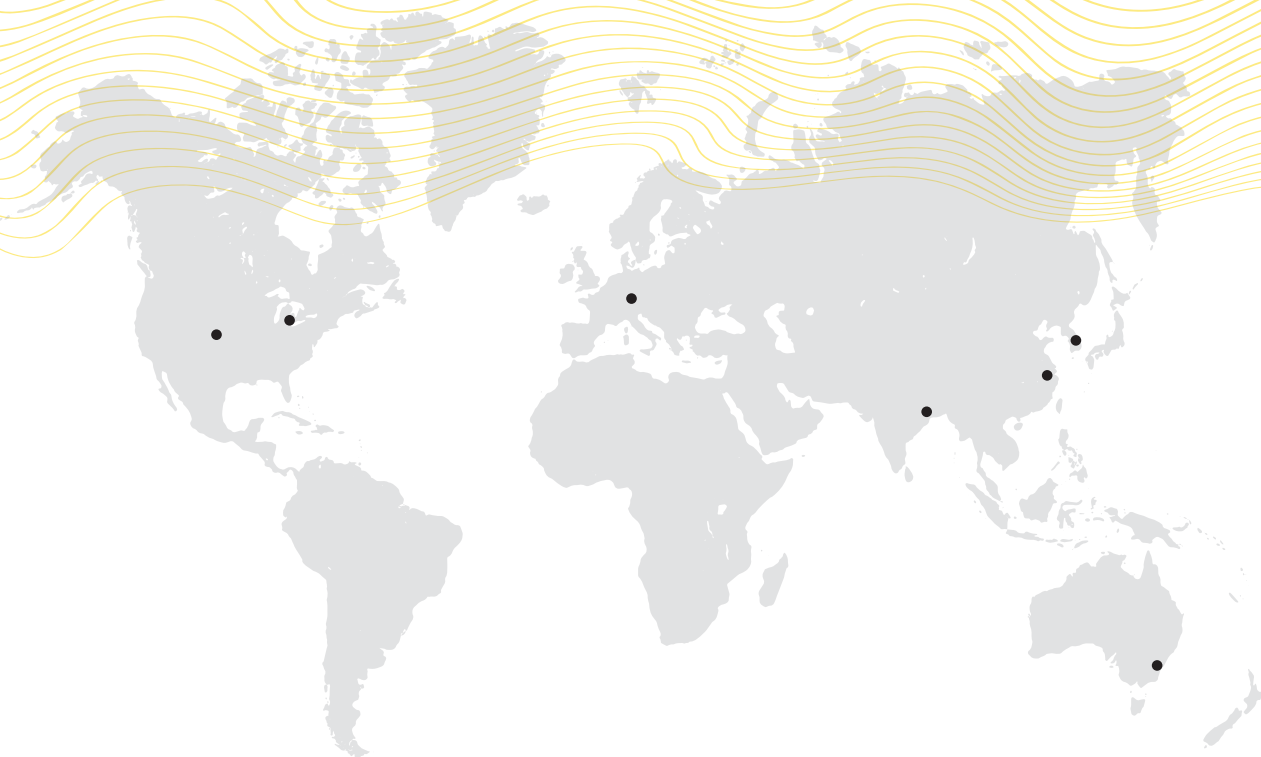
Put Magswitch to work for you, Use Magswitch in your Products. We provide a whole range of expertise from design engineering, manufacturing, and marketing. Combining our technology with professional expertise, we can create specialized products that fit your needs and budget.

Join the list of companies who have integrated Magswitch into their products to gain advantage



Partner with Magswitch - Private Branding, Co-Branding





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