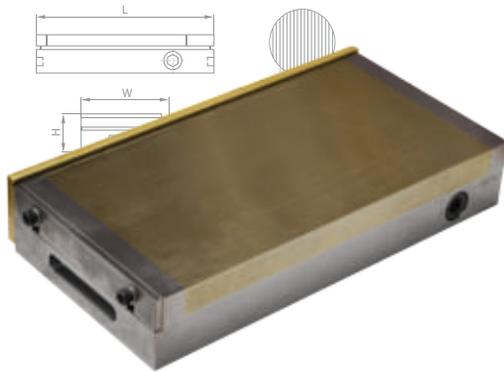




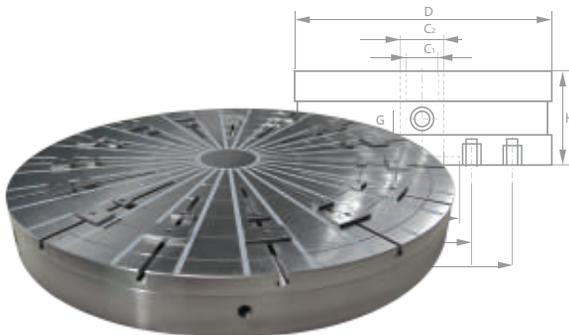
Workholding

- + Walmag magnetic chucks speed up the machining preparation up to ten times.
- + You can machine both front and sides of the workpiece on one clamping operation.
- + Clamping operation doesn't deform the workpiece.
- + The technology uses dispermanent, electro- or electropermanent.
- + All the Walmag chucks are resistant to cooling fluids.



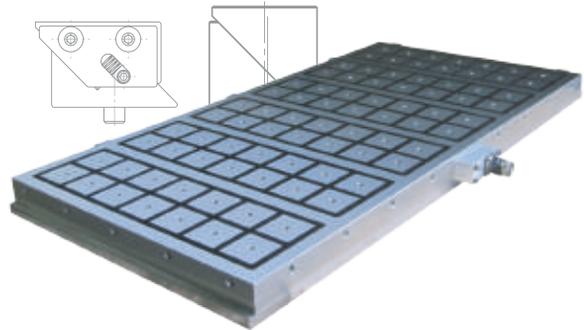
MILLING

- + Magnetic plates for the most demanding milling operations.
- + Chucks in sizes from 150x250 to large custom made systems.
- + Appropriate also for pallet systems (Erowa, 3M etc.) in automated productions.
- + Clamping force from 15 to 17 kg/cm².



GRINDING

- + Magnetic plates for both rough and finishing grinding of small to large workpieces.
- + Chucks in sizes from 100x175 to sets of several square meters.
- + Thanks to low magnetic field appropriate also for EDM operations.
- + Optional round chucks for circular grinding.
- + Clamping force from 9 to 14 kg/cm².



TURNING

- + Circular chucks for both rough and fine turning.
- + Optional continuous clamping force regulation for easy workpiece centering.
- + Pole extensions allowing to machine 5 sides of a ring on one clamping operation.
- + Chucks in diameter from 130 to 800 mm, larger sizes on request.
- + Clamping force 14 kg/cm².

Manipulation

- + Lifting magnets Walmag make manipulation substantially more effective.
- + No need to get access under the load thanks to the clamping only from top.
- + Magnetic manipulation doesn't deform or damage the load mechanically.



PERMANENT MAGNETS

- + 5 year guarantee on magnetic systems.
- + Nominal capacity 150 kg to 2 tons.
- + Each magnet individually tested over air gap.
- + Safety factor 3:1 (=capacity tested : nominal).
- + Patented EasySwitch for easy and safe switching.
- + Magnets come with prism for lifting round profiles and tubes.
- + Optional HOT version for workload of up to 180 °C.
- + Solutions also for horizontal / vertical manipulation

BATTERY MAGNETS

- + Manipulation with electromagnets without the need of expensive grid connection.
- + Remote control effective up to 10 meters distance.
- + Fast and precise excessive sheet release regulation for safe manipulation.
- + Safety factor 2:1 (= capacity : nominal).
- + Inactivity sound warning for greater safety and longer working cycle.
- + Nominal capacity 1350 kg to 5 ton.
- + BMP version with prism for manipulation of coils and round materials.

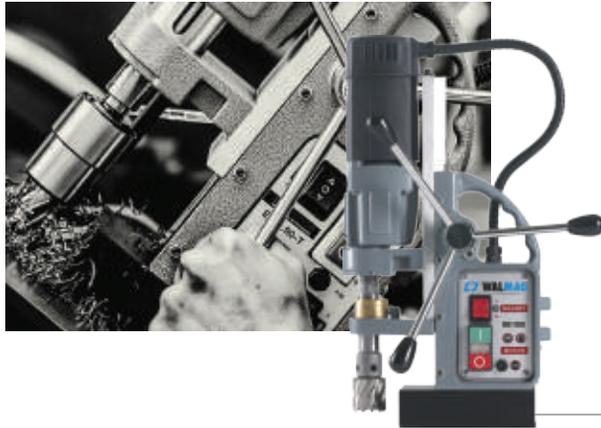
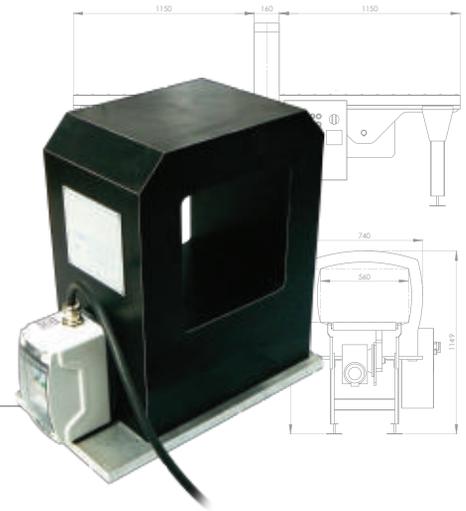


HEAVY HANDLING SYSTEMS

- + Magnetic manipulation of sheets, brams, tubes, profiles, ingots, coils, bundles or packs.
- + Scrap magnets.
- + Special tailor-fit custom solutions.

Demagnetization

- + Equipment design to lower the level of magnetism in metal parts.
- + Necessary before further surface treatment such as painting.
- + Demagnetizers available in hand-, table- and tunnel- versions.
- + Tunnel demagnetizers can be fitted onto a conveyor belt in automated production.



Drilling

- + Magnetic drills designed for work directly on metal constructions.
- + Cylindrical borer diameter from 1 to 31,75 mm.
- + Coronal borer diameter from 12 to 100 mm.
- + Cable AC current supply.
- + Optional battery or pneumatic versions.

Separation

- + Separation of metal parts from both powdery and liquid materials.
- + Solutions for pipes and conveyor belts.
- + Sheet separators for automated sheet feeders to avoid double sheet feeding.



Service

- + Inspections, certifications and repairs of lifting magnets.
- + Repairs of magnetic chucks.
- + Original spareparts on stock.
- + Instalations and operator's training.
- + 100% condition of liftin magnets for safety inspections guaranteed.
(Inspection and repair guaranteed by a certificate according to EN-13155 norm).
- + Minimum downtimes during repairs and certifications guaranteed.
(In most cases repairs done at customer's facility)



WALMAG

WALMAG
MAGNETIC SYSTEMS

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Walmag magnetics

Walmag is a traditional manufacturer of industrial magnetic applications. Roots of magnet manufacturing in Czech go to past century sixties. Since 1991 for following 20 years the company was a part of a multinational holding Walker Magnetics Group (USA) under the name of Walker Pilana Magnetics. In 2011 the company became independent and the name was changed to Walmag Magnetics. Its products today are exported to more than 50 countries.

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