

MAGNETIC Tools

**Workholding
Lifting
Drilling**

 **WALKER
MAGNETICS**

WORKHOLDING

Grinding and turning



NEOFINE: Permanent magnetic chuck for small to medium parts

- Neodymium magnets
- Silver brazed top plate with finely spaced transverse poles
- Rigid, precision design



FERROFINE: Permanent magnetic chuck for small to medium parts

- Ferrite magnets
- Pole pitch: 11 mm
- Transverse poles with brass separators



MICROPITCH: Permanent magnetic chuck for small and thin parts

- Neodymium magnets
- Pole pitch: 2 mm
- Transverse poles with brass separators



NEOGRIP: Permanent magnetic chuck for medium to large parts

- Neodymium magnets
- Pole pitch: 15 mm
- Transverse poles with brass separators



NEOSINE: Simple precision sine table with Neofine chuck

- Neodymium magnets
- Precision sine base
- High setting accuracy



MICROSINE: Simple and compound sine table with Micropitch chuck

- Neodymium magnets
- Precision sine base
- High setting accuracy



UNIPERM: Universal electropermanent magnetic chuck

- Pole pitch: 19 mm
- Transverse, fine pole division
- Adjustable force and total demagnetisation



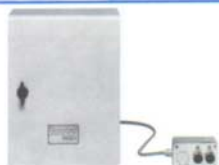
EPEFINE: Electropermanent magnetic chuck for small to medium parts

- Pole pitch: 5 mm
- Transverse poles with brass separators
- Adjustable force and total demagnetisation



EPEGRIPE: Electropermanent magnetic chuck for medium to large parts

- Pole pitch: 22 mm
- Both transverse and longitudinal poles
- Adjustable force and total demagnetisation



CONTROL UNITS, VUR, VUP, VFR: for electropermanent magnetic chucks

- Electronic microprocessor control
- Adjustable holding power
- Automatic total demagnetisation



UNIGRIPE: Universal electromagnetic chuck

- Pole pitch: 19 mm
- Transverse, fine pole division
- Low operating temperature



ELECTROFINE: Electromagnetic chuck for small and thin components

- Pole pitch: 4 mm or 2 mm
- Both transverse and longitudinal poles
- Low operating temperature



FERROMAX / NEOGRIP: Circular permanent magnetic chucks for small to medium parts

- Pole pitch: 13 mm or 11 mm
- Silver brazed top plate
- Watertight design



NEOSTAR / FERROSTAR: Circular permanent magnetic chucks for ring-shaped components

- Neodymium or Alnico magnets
- Radial pole configuration
- 100% balanced design



CONTROL UNITS, VUE, VUET: for electromagnetic chucks

- Electronic microprocessor control
- Adjustable holding power
- Automatic total demagnetisation

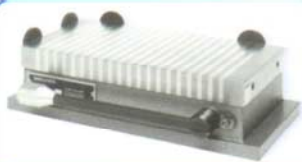
WORKHOLDING

Milling



ELECTROPOWER: Electromagnetic chuck for medium to large parts

- Most powerful magnetic system
- Battery back-up system (optional)
- Possibility to use adjustable pole extensions



FERROMAX: Permanent magnetic chuck for small to medium parts

- Ferrite, high power magnetic system
- Pole pitch: 13 mm
- Possibility to use pole extensions



NEOMILL: Permanent magnetic chuck for medium parts

- Neodymium high energy magnets
- Pole pitch: 15 mm
- Transverse poles with brass separators



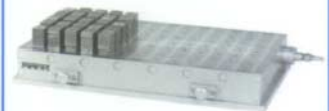
NEOMAX: Permanent magnetic chuck for medium to large parts

- Neodymium high energy magnets
- Pole pitch: 58 mm
- Possibility to use adjustable pole extensions



POWERMILL: Electropermanent magnetic chuck for medium parts

- Neodymium high energy magnets
- Pole pitch: 37 mm
- Robust construction



TURBOMILL: Electropermanent magnetic chuck for large parts

- World's strongest EP chuck
- Pole pitch: 56 mm
- Possibility to use adjustable pole extensions

WORKHOLDING

Electrical discharge machining (EDM)



EROFINE: permanent magnetic chuck for small to medium parts

- Rigid design with silver brazed top plate
- Extremely low magnetic field
- Working zones with adjustable holding force



SWITCHABLE V-BLOCK: Permanent magnetic block for cylindrical parts

- 3 Magnetic faces
- Rigid, precision design
- Hardened surface (optional)



POT MAGNETS: Permanent magnets and magnetic systems

- Neodymium, Ferrite or Alnico magnets
- Wide range of standard sizes
- Rigid shockproof design

WORKHOLDING

Demagnetisers



GAUSS - CHECK: Residual magnetism measuring tool

- Maximum value: 20 or 50 Gauss
- Rigid housing Ø 65 mm
- Two measuring directions



HAND DEMAGNETISER: Electromagnetic demagnetising system

- Active surface up to 150x95 mm
- Lightweight plastic housing
- Demagnetising field depth: 30 mm



PLATEN DEMAGNETISER: Electromagnetic demagnetising system

- Platen sizes up to 300x400 mm
- Lowest stand-by power
- Demagnetising field increases with workpiece volume



TUNNEL DEMAGNETISER: Electromagnetic demagnetising coil system

- Standard range up to 600x420 mm aperture
- Continuous duty
- Special and automatic tunnels (on request)



WORKHOLDING

Auxiliary tools



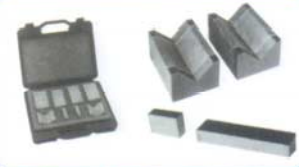
NEOBLOCK: Switchable permanent magnetic block for holding carbide

- Neodymium magnets
- Size: 105x45x45 mm
- 3 Active sides



MAGNETIC STANDS: Permanent magnetic dial indicator stands

- Base size up to 77x52 mm
- Holding force up to 120 daN
- Rigid design



ADAPTER BLOCKS:

- Silver brazed construction
- Finely spaced laminations
- Many machining possibilities



PERMANENT MAGNETS

- Neodymium, Ferrite or Alnico magnets
- Wide range of sizes and shapes
- Technical support for special applications

WALKER

**WALKER
MAGNETICS**

LIFTING

Lifting magnets for small and medium loads



BUX CM series

- Ferrite magnets
- Reliable, mature design
- For flat materials up to 800 kg



BUX NEO series

- Neodymium magnets
- Highest lift capacity/weight ratio
- For flat and round materials up to 2000 kg



BUX NEO-HV series

- For turning workpieces through 90°
- Workload up to 500 kg
- Workpiece size up to 1000 mm



BUX EPH series

- Electrically operated, permanent lifting magnets
- Holding force remains intact if power supply fails
- For flat and round materials up to 750 kg



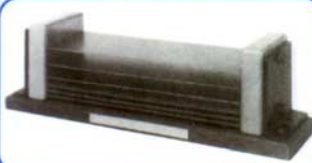
BUX BM series

- Self contained, battery operated electromagnets
- Infrared remote control (optional)
- For flat materials up to 5000 kg



BUX BPS series

- Self contained, battery operated electromagnets
- Infrared remote control (optional)
- For flat and round materials up to 2200 kg



SHEET FANNERS

- To separate metal sheets up to 6 mm thick
- Ferrite "everlast" magnetic system
- Wide range of sizes



HAND MAGNETS

- BUX "plate" lifter
- Swarf magnets
- Wrist magnets



AUXILIARY TOOLS

- Welding magnets
- Positioners
- Holders

DRILLING

Twist drilling and broach cutting



BUX ELECTROMAGNETIC DRILLSTANDS

- Powerful electromagnetic base
- Machine interlock and NVR
- Drilling capacity up to 50 mm diameter



ROTOBUX series

- Fast cutting of holes up to 60 mm diameter
- Choose from 4 models
- Reliable, mature designs



ROTOBUX CUTTING TOOLS

- HSS broaching cutters
- Short and long series
- TCT cutters on request

Traditional quality and high-tech innovation

After more than 100 years, Walker Magnetics has acquired an international reputation as the leader in the field of magnetic technology. Its products for workholding, lifting, material handling, conveying and testing are sold globally. Walker manufacturing facilities and customer service centers are strategically located throughout the world.

The Walker Magnetics Group :

Europe

Walker Magnetics Europe
Walker Magnetics UK
Walker Hagou Magnetics

Walker Brailon Magnetics

Walker Pilana Magnetics

International Sales Organisation
UK based Sales Organisation
Center of Excellence for Lifting Applications
Material Handling and Conveying Systems
Center of Excellence for Clamping Systems
Dedicated Clamping and Holding Applications
Manufacturing and Sales of Magnetic Tools

North America:

O.S. Walker

Walker Scientific
Walker National

Workholding & Clamping, Separation,
Heavy Lifting and Material Handling Systems
Dedicated Measuring Systems
Magnets for Steel Mills

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