

MAGNETIC SEPARATORS  
MAGNETIC SYSTEMS  
METAL DETECTORS

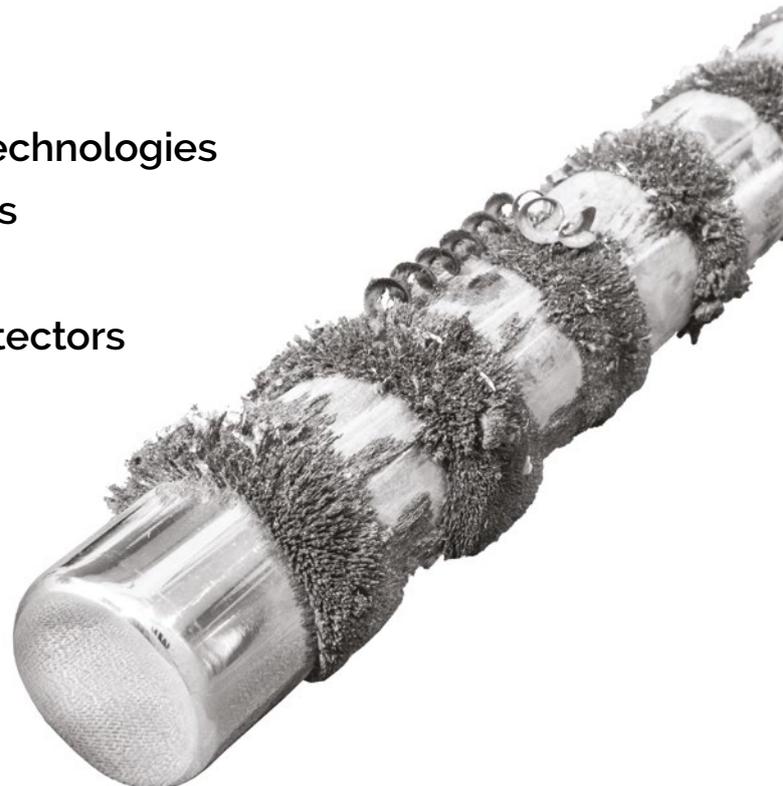


DEVELOPMENT

PRODUCTION

APPLICATION

- Magnetic separators
- Sorting lines and conveying technologies
- Magnetic equipment and tools
- Magnetic conveyors
- Free-fall and tunnel metal detectors



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# MAGNETIC SEPARATORS

VIBRATORY FEEDER

CHUTE

CONVEYOR BELT

BULK MATERIALS

DND-AC



## OVERBAND MAGNETIC SEPARATOR /FERRITE/

**Properties:** Tri-polar design | thick material layers | suspension height up to 500 mm | economic operation | available in many sizes to suit your conveyor belt | transverse or in-line installation.

**Applications:** Recycling, plastic/rubber, ore, textile, pulp/paper, mining, food, chemicals, animal feeds, wood / wood chips, energy.

DND-AC



## OVERBAND MAGNETIC SEPARATOR /NEODYMIUM/

**Properties:** Tri-polar design | low to medium material layers | suspension height up to 350 mm | economic operation | available in many sizes to suit your conveyor belt | transverse or in-line installation | low weight and compact dimensions - suitable for mobile applications.

**Applications:** Wood/wood chips, recycling, plastic/rubber, ore, textile, pulp/paper, food industry, chemicals, animal feeds.

VMSV



## HIGH-GRADIENT MULTI ROLL MAGNETIC SEPARATOR

**Properties:** Separation of very fine or weak magnetic particles | neodymium magnets | suitable for lower processing outputs | compact design with up to five magnetic rolls | fully programmable control box with 7" colour touchscreen | remote diagnostics.

**Applications:** Ceramics, chemicals, minerals, foundry, food, pharmaceuticals, plastic/rubber.

MBZ



## MAGNETIC DRUM

**Properties:** Automatic and continuous separation of ferrous particles also from large amount of non-sticky material types | ferrite and neodymium magnets | available in several drum configurations and designs | multi-drum design option | high dimensional variability.

**Applications:** Recycling, mining, minerals, chemicals, food, pharmaceuticals, animal feeds, wood/wood chip, pulp/paper, chemicals, ore, plastic/rubber, ceramic, metal processing, seeds.

ECS



## EDDY CURRENT SEPARATOR

**Properties:** Separation of non-ferrous metals from bulk materials | high separation efficiency | eccentric and centric magnetic rotor system | easy and fast belt change | modular system concept with numerous customer options.

**Applications:** Recycling, slag waste, metal casting, mining, minerals.

MV



## MAGNETIC HEAD PULLEY

**Properties:** Installation in new or existing belt conveyors | continuous ferrous particles discharge | easy installation | various material layer thickness | ferrite and neodymium magnets | high dimensional variability.

**Applications:** Recycling, chemicals, pharmaceuticals, food, mining, minerals, wood/wood chips, pulp/paper, ore, animal feeds, plastic/rubber.

# MAGNETIC SEPARATORS

PIPELINE / unpressurized/

MSS-AC



## MAGNETIC GRATE SEPARATOR WITH AUTOMATIC CLEANING

**Properties:** Automatic separation of fine ferromagnetic particles from easy flowing powders and granulates | neodymium magnets | high dimensional variability | continuous product flow | fully programmable control box with 7" colour touchscreen | remote diagnostics | low built-in height | low maintenance cost.

**Applications:** Ceramics, minerals, food, plastic/rubber, chemicals, pharmaceuticals, fibres, pulp/paper, animal feeds.

MSS-MC



## MAGNETIC GRATE SEPARATOR

**Properties:** Separation of fine ferromagnetic particles from easy flowing powders and granulates | neodymium magnets | high dimensional variability | easy installation | available in several housing configurations and designs | several models suitable also for pressurized applications.

**Applications:** Ceramics, minerals, food, plastic/rubber, chemicals, pharmaceuticals, fibres, pulp/paper, animal feeds.

MSR-MC



## ROTATING MAGNETIC GRATE SEPARATOR

**Properties:** Separation of fine ferromagnetic particles from poorly flowing powders and granulates | neodymium magnets | increased durability | high dimensional variability | easy installation.

**Applications:** Ceramics, minerals, food, plastic/rubber, chemicals, pharmaceuticals, fibres, pulp/paper, animal feeds.

BULK MATERIALS

MSP-S



## PIPELINE MAGNETIC SEPARATOR FOR PNEUMATIC CONVEYING

**Properties:** Separation of fine ferromagnetic particles from pneumatic conveyed powders and granulates | replaceable magnetic tubes | neodymium magnets | easy and fast cleaning | suitable for silo truck filling/emptying hoses and pipelines.

**Applications:** Ceramics, minerals, food, plastic/rubber, chemicals, pharmaceuticals, fibres, pulp/paper, animal feeds.

PIPELINE

ML-MC



## EXTERNAL POLE MAGNET SEPARATOR

**Properties:** Separation from poorly flowing products | easy cleaning method | ferrite or neodymium magnets | suitable for pneumatic conveying | horizontal or vertical installation.

**Applications:** Ceramics, chemicals, fibres, textile, pulp/paper, lime, plastic/rubber, seeds, fine minerals, food, recycling, animal feeds.

LIQUIDS

ML-P



## EXTERNAL POLE MAGNET SEPARATOR

**Properties:** Separation of bigger ferromagnetic particles (wires, screws, nuts) from poorly flowing liquid and semi-liquid mixtures | vacuum and pressure applications | high separation efficiency | easy operation and cleaning | robust construction | low operation and maintenance costs.

**Applications:** Pulp and paper.

# MAGNETIC SEPARATORS AND METAL DETECTORS

PIPELINE

LIQUIDS

MSP-MC



## PIPELINE MAGNETIC SEPARATOR

**Properties:** Separation of fine ferromagnetic particles from liquid and semi-liquid products | neodymium magnets | easy and fast cleaning | suitable for pressurized applications | high dimensional variability | different designs according to your application.

**Applications:** Ceramics, chemicals, fibres, oil, food, chemicals, cooling fluids, degreasing lines.

MSP-AC



## PIPELINE MAGNETIC SEPARATOR WITH AUTOMATIC CLEANING

**Properties:** Separation of fine ferromagnetic particles from liquid and semi-liquid products | neodymium magnets | suitable for pressurized applications | fully programmable control box with 7" colour touchscreen | remote diagnostics | discontinuous product flow | high dimensional variability.

**Applications:** Ceramics, chemicals, fibres, oil, food, chemicals, cooling fluids, degreasing lines.

MSP-AC EKO



## PIPELINE MAGNETIC SEPARATOR WITH AUTOMATIC CLEANING

**Properties:** Separation of fine ferromagnetic particles from liquid and semi-liquid products | strong neodymium magnets | suitable for pressurized applications | high dimensional variability | discontinuous product flow | three user options according to automation level.

**Applications:** Ceramics, chemicals, fibres, oil, food, chemicals, cooling fluids, degreasing lines.

MX-MC



## HIGH GRADIENT MATRIX SEPARATOR

**Properties:** Separation of weakly magnetic ferrous particles and paramagnetic chemicals (pyrrhotite, roasted ore, ilmenite, hematite) from liquid and semi-liquid products | very strong and deep magnetic field | high separation efficiency | various matrix elements | low operation and maintenance costs.

**Applications:** Mining, chemicals, ceramic, laboratory.

CONVEYOR BELT

BULK MATERIALS

RDK-SDK



## TUNNEL METAL DETECTOR

**Properties:** All-metal detection from conveyor belt | easy and intuitive operation | 7" colour touchscreen for user interface | adjustable sensitivity for various products | several types of reject options | high dimensional variability | custom made conveying and rejection systems.

**Applications:** Food, pharmaceuticals, packaging lines, plastic/rubber.

PIPELINE /unpressurized/

PDK



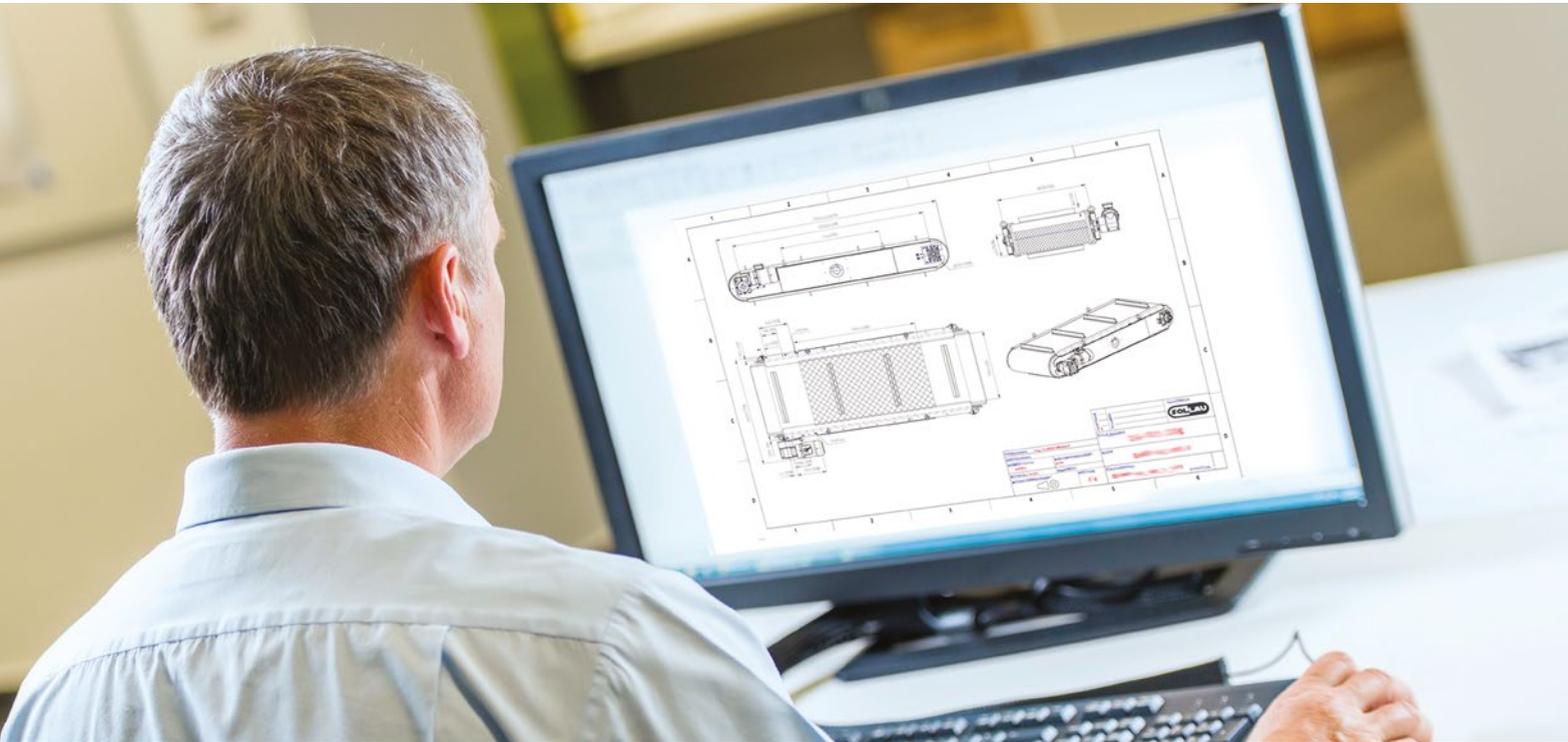
## GRAVITY METAL DETECTOR

**Properties:** All-metal detection and discharge | adjustable sensitivity | easy operation, maintenance and installation.

**Applications:** Recycling, chemicals, plastic/rubber.

More products are to be found on [WWW.SOLLAU.COM](http://WWW.SOLLAU.COM)

# CUSTOMER SERVICE



SERVICE

TESTING

INSPECTION

## SALES AND AFTER-SALES SERVICE

We will help you select the right equipment for your application. If necessary, we will adapt our product to your specific requirements. We can test the effectiveness of the magnetic separation on samples of your material; in the case of more devices we can supervise the installation and commissioning of the final product and train operators.

## WHAT WE PROVIDE

- + Tests of the magnetic separators efficiency
- + Repairs, inspections and maintenance of equipment for magnetic separation
- + Original spare parts for equipment delivered by our company
- + Training for operators working with our equipment
- + Expert consultancy and assistance in the field of magnetic separation



# CONTACTS REFERENCES REPRESENTATION



CONTACTS

REFERENCES

OUR TEAM

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## REFERENCES

