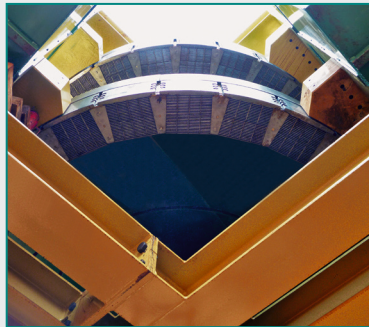


allmineral



allgauss® | Product Information



allgauss®

Wet High Intensity Magnetic Separator

Applications

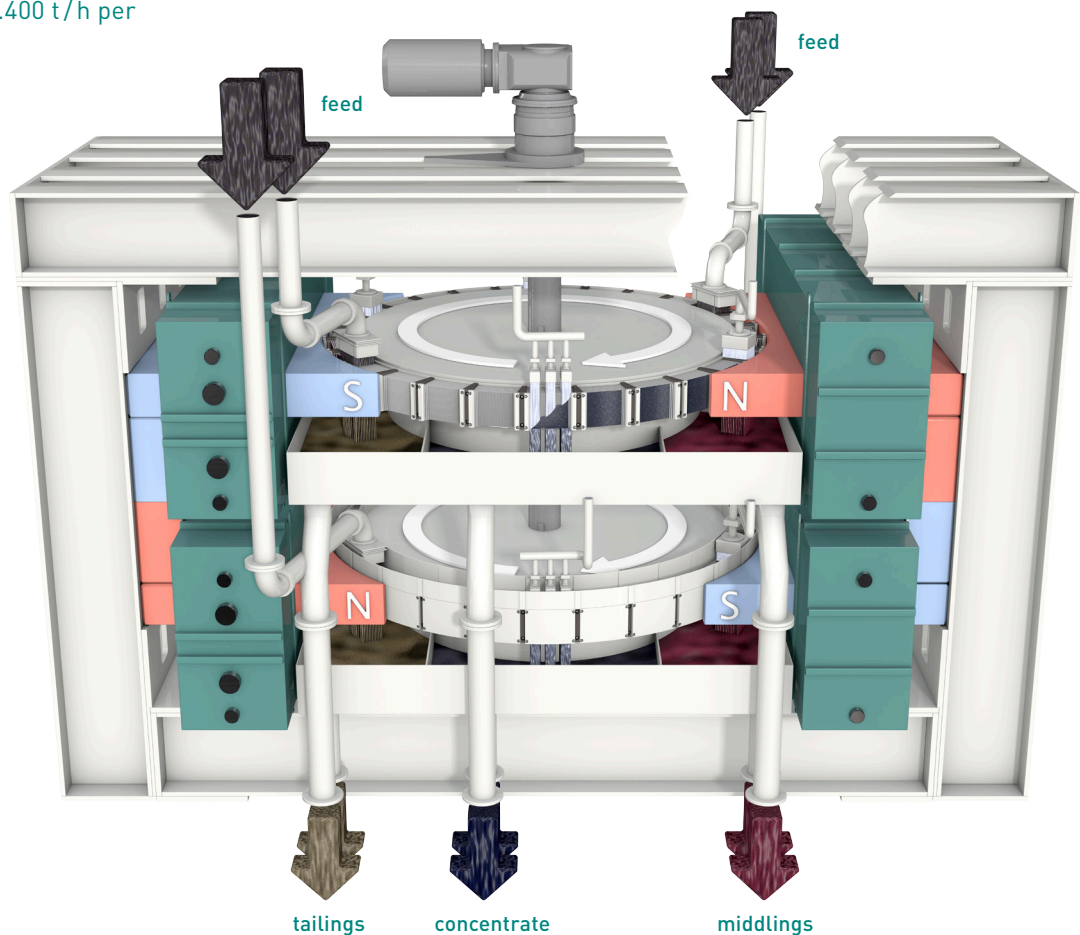
Iron ore (hematite, goethite), ilmenite, chrome ore, manganese ore, tungsten ore and other paramagnetic resp. feebly magnetic minerals

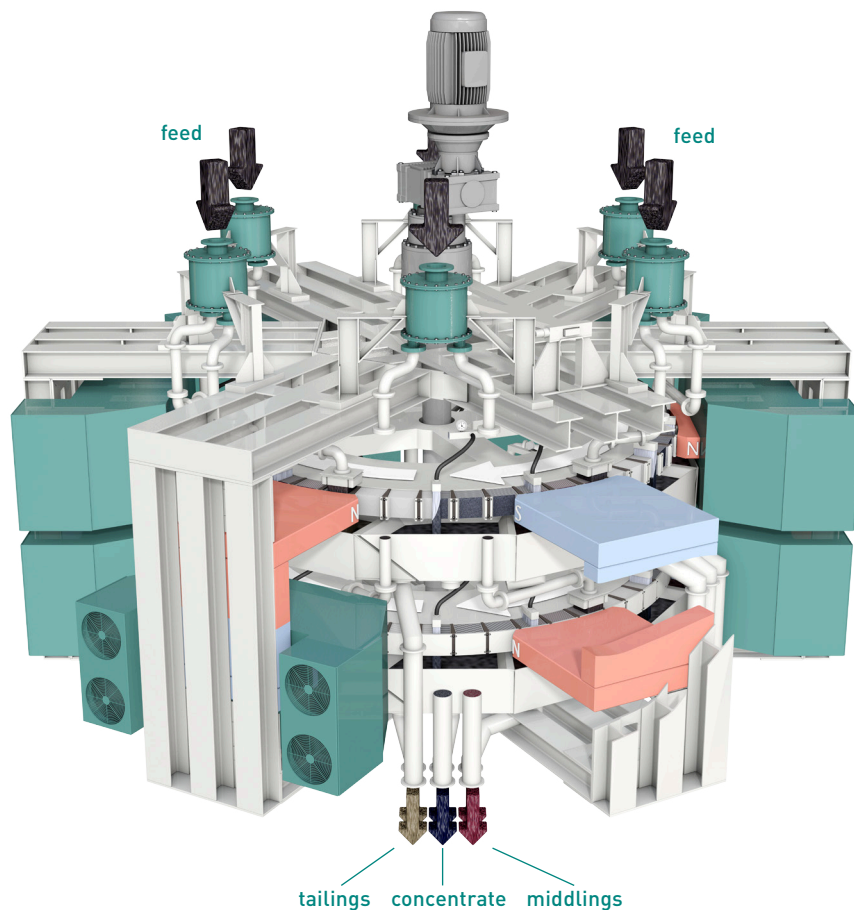
Advantages

High efficiency, high flexibility, sharp separation, reliability

Technology

- Wet High Intensity Magnetic Separator with a maximum of flexibility
- separates ores and other paramagnetic and feebly magnetic minerals with a particle size up to 3 mm.
- the high gradient magnetic field is independently adjustable for each rotor through AC/DC converters.
- the rotor speed is adjustable from 3 to 7 rpm through a frequency inverter.
- throughput rates of 6 to 1.400 t/h per machine.





allgauss® | Hexagon

Throughput rates of 630 to 1.400 t/h per machine

The allgauss® | Hexagon series offer several technological innovations

High Tech Coils

Electricity Saving

- up to 50% compared to the existing equipments in the market. *(for the same magnetic field intensity)*

Air Cooling system with magnetic stability

- no water needed for the cooling of the coils.
- the magnetic field remains constant at the level adjusted. *(Closed Loop DC Control)*

Easy Maintenance

- larger space for maintenance and operation. *(especially between the rotors)*
- automatic Lubrication System.
- field instrumentation

Project Outlines

- 8 feeding points per equipment. *(4 points per rotor)*
- 8 electromagnetic coils. *(4 per rotor - tetra polar)*
- coil arrangement in X shape.

Water Saving

- no water needed for the cooling of the coils.

Easy Operation and Processing

- equalized feeding through feeding boxes with individual flow control.
- equipment supplied with water filter.
- adjustable rotor speed from 3 to 7 RPM through frequency inverter.
- option to magnetize the top and bottom rotors at different magnetic intensities by means of two separate AC/DC Converters to feed the coils. This feature enables two processing stages to take place *(rougher + cleaner | rougher + scavenger)* in one unit.

Economical Advantages

- lower specific CAPEX and OPEX per ton of feed.
- less ancillary equipment required.
- simplified processing flow sheet and plant layout, e.g. reduced footprint and building costs.

allmineral | Germany

Aufbereitungstechnik GmbH & Co. KG

Willstätterstraße 15 | 40549 Düsseldorf

head@allmineral.com

allmineral | Australia

HAZEMAG allmineral Australia Pty. Ltd.

22 Lambourne Retreat, Mirrabooka

f.davis@allmineral.com.au

allmineral | India

HAZEMAG allmineral India Pvt. Ltd.

Eco Space Business Park | 6th Floor

Block-3B, Premises No.II F/11, Action Area II

New Town, Rajarhat | Kolkata 700 156

office@allmineral.asia

allmineral | Poland

allmineral Sp. z o.o.

ul. Skarbowców 23 A

53-025 Wrocław

labentowicz@allmineral.com

allmineral | South Africa

IMS Engineering (Pty) Ltd.

10 Derrick Road

Spartan, Kempton Park

1620 South Africa

imse@imgroup.co.za

allmineral | Brazil

Paulo Da Pieve

Area Sales Manager Brazil

32010-050 Contagem, MG

paulo.dapieve@hazemag.de

allmineral | Russia

Hazemag allmineral LLC

Fabrichnaya, h.1, bld. 1, office 327

141108 Moscow region, Shchelkovo

lebedok@allmineral.com

allmineral | Canada

HAZEMAG CANADA INC.

1 Marconi Court, Unit #10

Bolton, ON L7E 1E2

Canada

info@hazemag.ca

allmineral | USA

HAZEMAG USA Inc.

Mount Braddock Road

Uniontown PA 15401

USA

info@allmineral.com

www.allmineral.com

