

Ele met



FOR ENQUIRIES CONTACT:

GLOBAL
Separators

Since 2012

www.GlobalSeparators.com

Andrew.Vince@GlobalSeparators.com

ELECTROGORSK METAL WORKS

- ▶ Equipment for classifying and dewatering
- ▶ Coal-processing equipment
- ▶ Equipment for dewatering and filtration
- ▶ Airport ground support equipment
- ▶ Technical ceramics
- ▶ Laboratory tests





GLOBAL Separators

Electrogorsk Metal Works was established in the early 30-ies of the XX century as a result of Klasson power station split-up. For a long time it remained one of Electrogorsk major enterprises.

As a result of investment program fulfilled between 2001 and 2006 ELEMET now is the modern enterprise specialized in design, manufacturing and maintenance of equipment for coal and mineral processing industries.

The production facility encompasses more than 20,000 square meters and houses the latest in design machines and tools.

Quality of products is proved by ISO 9001-2015 international certificate.





AS OF TODAY ELEMET POSSESSES:

Its own production and technical facilities, equipped up-to-date.

Production facilities, over 20 000 sq. m.

Metal-working machineries (NC controlled) permit to execute mechanical processing of complex configuration parts to a high precision.

Shotblast chambers and paint booths for large sized steel structures with adjustable coloring and drying temperature condition.

Boring-and-turning mill for heavy machining.

Plasma cutting unit for 4-80 mm thickness metal sheets.

Bandsaws and profile bending machines with up to 8 meters in length and up to 650 tons of load.

Hight-capacity welding units ESAB.

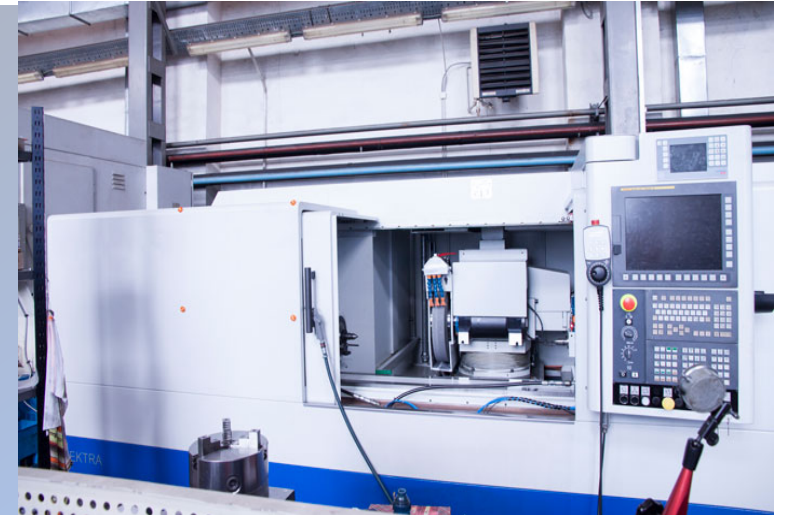
Water jet cutting unit with 6 000 Bar pressure.



KEY AREAS:



- MINERALS RESEARCH
- PILOT TESTING



DESIGN AND MANUFACTURING OF PROCESS CONTROL:

- TURN-KEY ELECTRICAL AND
AUTOMATION SYSTEMS
- CUSTOM-BUILT ELECTRIC
CABINETS

EQUIPMENT MANUFACTURING

- CLASSIFYING
- PROCESSING
- DEWATERING





Equipment for classifying and dewatering

Vibrating screens

- ▶ Roller screens
- ▶ Sieve bends

Coal-processing equipment

Flotation machines:

- ▶ Chamber mechanical flotation machines
- ▶ Column flotation cells

Equipment for dewatering and filtration

Centrifuges:

- ▶ Screenbowl centrifuges, Rotating units and Planetary gear reducers
- ▶ Vibratory screen centrifuges
- ▶ Screen-scroll centrifuges

Radial thickeners

Preparation and dosing system of the anionic and cationic flocculants

Belt vacuum filters

Belt press filters



OUR KEY PARTNERS

IN RUSSIA AND CIS:

- ▶ SUEK Group
- ▶ EVRAZ Holding
- ▶ PAO Mechel
- ▶ PAO Severstal
- ▶ Ural Mining Metallurgical Company (UMMC)
- ▶ Industrial Metallurgical Holding (IMH)
- ▶ PAO Uralkali
- ▶ EuroChem
- ▶ PhosAgro Group
- ▶ DTEK
- ▶ TopProm Holding

IN AUSTRALIA:

- ▶ Global Separators PTY LTD



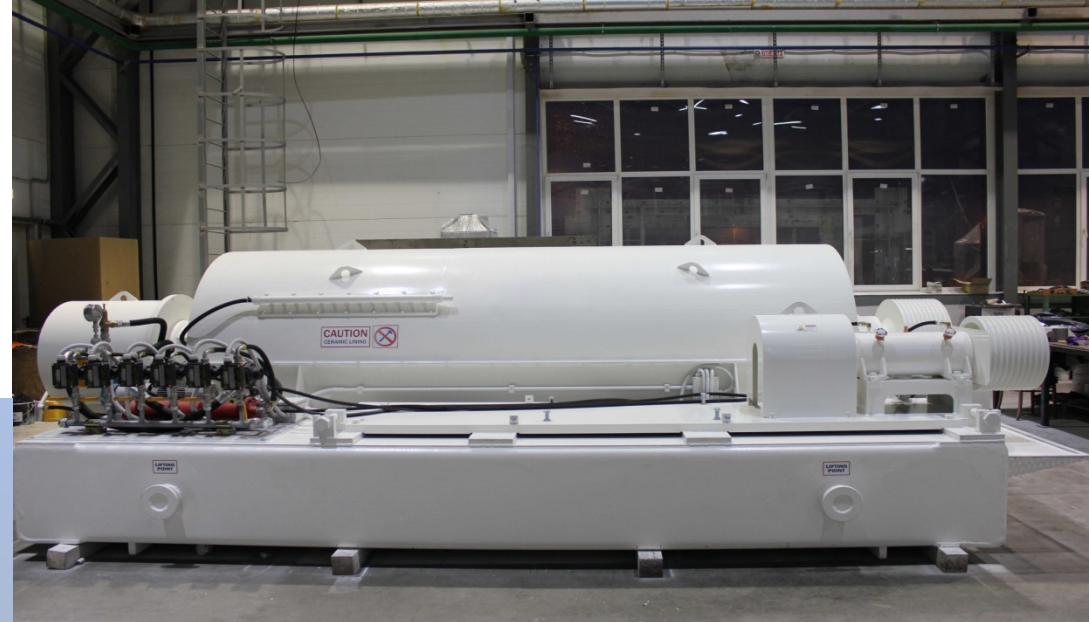
SCREENBOWL CENTRIFUGES AND COMPONENTS EQUIPMENT

Screenbowl centrifuge is designed for dewatering of coal fines with 0-3 mm particles size.

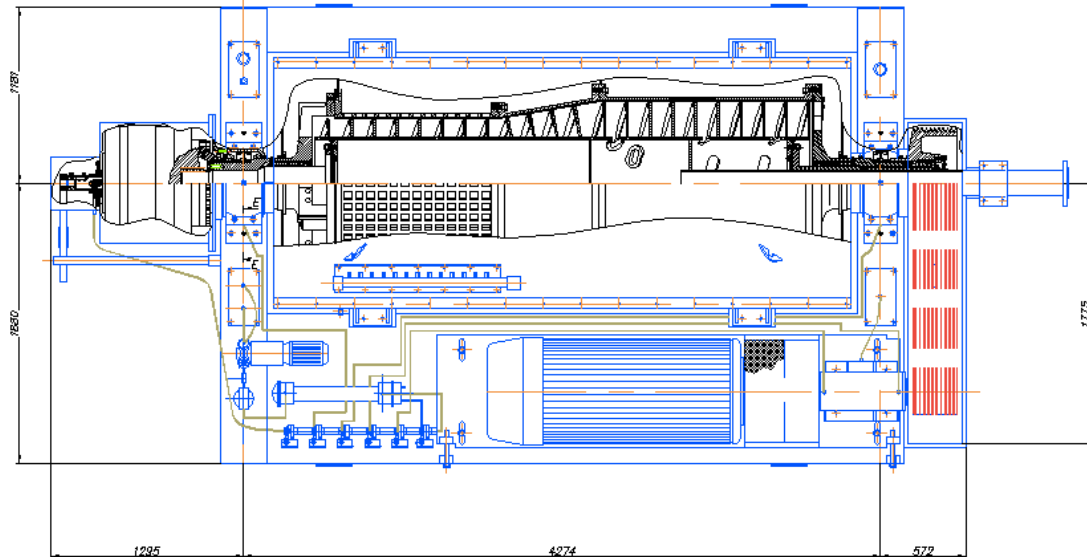
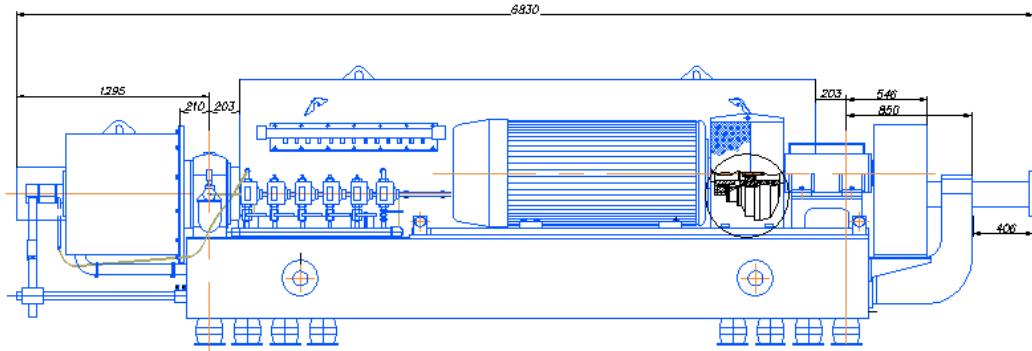
The centrifuge rotor rotation generates the centrifugal force. It results in extraction of solid particles from liquid. Rotating unit has two consecutive sections: bowl section and screen section. The dewatered cake is transported by screw conveyor.

Screenbowl centrifuge mainly consists of:

- ▶ base frame on rubber isolators;
- ▶ centrifuge body with screen washing system;
- ▶ rotating assembly with screw conveyor;
- ▶ gear box protected from over torque by a shear pin
- ▶ system and equipped with a torque monitoring system;
- ▶ electric motor;
- ▶ intermediate shaft with fluid coupling;
- ▶ V-belt drive;
- ▶ feed pipe;
- ▶ oil lubrication system;
- ▶ oil cooling system



SCREENBOWL CENTRIFUGES AND COMPONENTS EQUIPMENT



Centrifuge size	40x72	44x132
Solids capacity (MTPH)	35-45	70-90
Slurry capacity (m3/h)	113	180
Motor power kW	186	375

Quality of equipment is confirmed by international certificate ISO 9001-2015.

INSTALLATIONS OF SBC IN RUSSIA AND CIS BY 2020

21

Screenbowl centrifuges 40x72 and 44x132

Total proceeds of Electrogorsk Metal Works in 2019
is about \$5 595 000.







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Andrew Vince ELEMET visit in January 2020, hosted by Factory CEO Mr Igor Makeev





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JSC ELEMET ELECTROGORSK METAL WORKS

11 Sverdlova street, Electrogorsk
Moscow region, 142530, Russian Federation

Tel.: +7(499) 707-10-57

info@elemet.ru, www.elemet.ru

