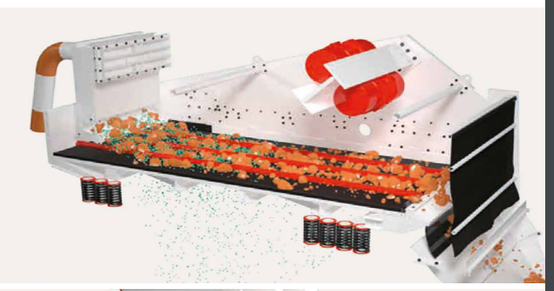

OPERATION

Efficient separation plants are the basis for the successful use of bentonite suspensions in microtunneling and foundation engineering. The task of the separation technology is to separate the slurry from the solid components such as gravel, sand, clay and silt to return the recycled bentonite to the conveying circuit. Optimum separation- and dewatering technology minimizes disposal costs and increases economic efficiency.

Process step 1
The slurry is fed via the feeding box to the lower deck of the double-deck screening machine, where coarse separation takes place in the first step. Larger particles are conveyed to the discharge of the screening machine and thus out of the circuit. Smaller particles are collected with the slurry in an underflow chamber.

Process step 2
The cyclone pump conveys the slurry from the underflow chamber into the cyclone stage. Here the separation into overflow and underflow takes place. The fines separated in the cyclone are conveyed via the underflow to the dewatering screen deck and dewatered. The overflow is directed into another chamber and from here it is reused as a recycled slurry.

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ENGINEERING A BETTER WORLD

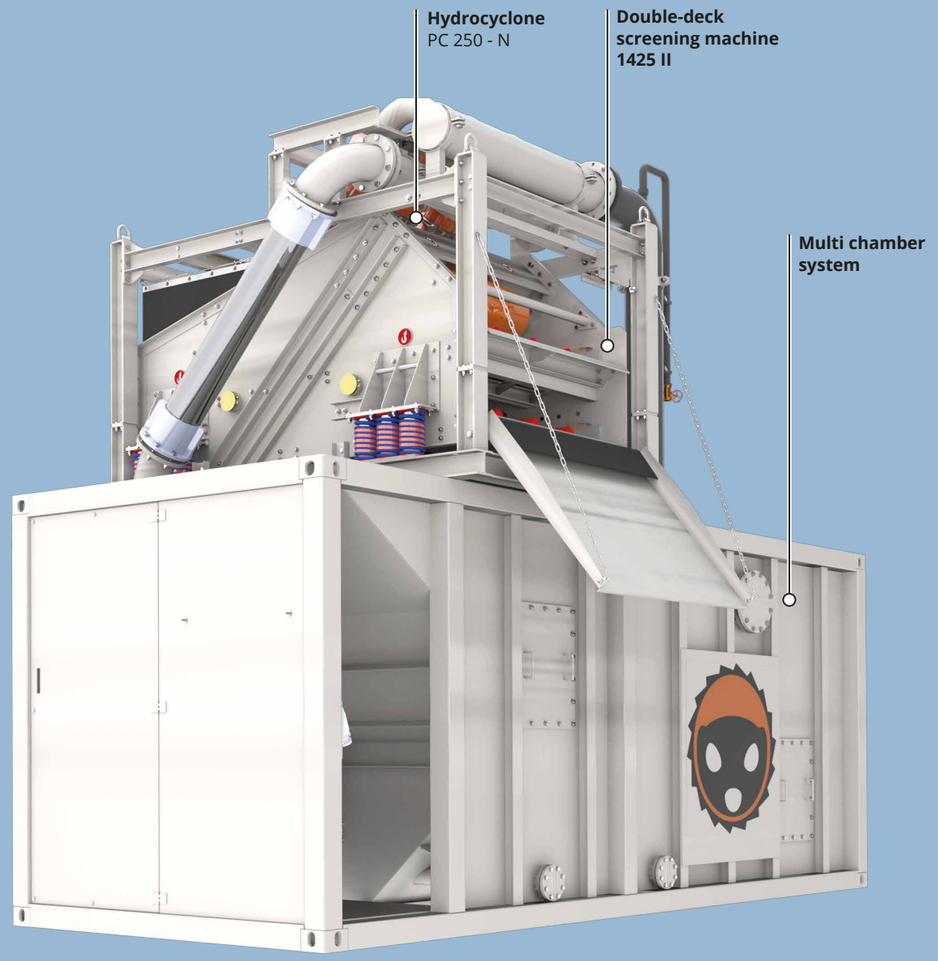
SEPARATION PLANT MUNGO IV

SCHAUENBURG
Maschinen- und Anlagen-Bau GmbH

Customized to your requirements

SEPARATION PLANT MUNGO IV

As our most compact separation plant, the MUNGO represents the perfect combination of high-performance separation and site-appropriate design. Proven double-stage separation technology consisting of screening machine and hydrocyclones ensures optimum separation cut at feed rates of up to 300 m3/h.



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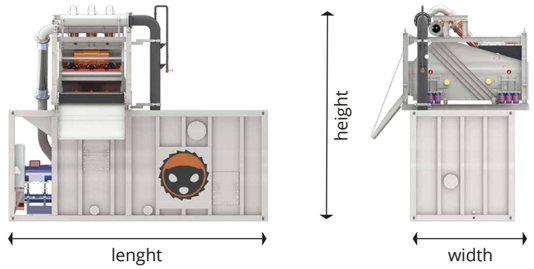
TECHNICAL DATA



Dimension/ Weight		
Transport length	mm	6.058
Transport width	mm	2.438
Transport height	mm	2.591
Transport weight	kg	11.100

Capacity		
Max. feed volume	m³/h	300
Max. feed capacity	t/h	50
Max. feed density	t/m³	1,3
Max. grain size	mm	80
Cutting point	µm	25*

Installed power	(400V/50HZ)	
Pump 1	kW	30
Double-deck screening machine 2x 4,3 kW	kW	8,6
Other	kW	N/A
Installed power	kW	39,1
Required connected power	kVA	117

* Values were tested under laboratory conditions and may deviate depending on the application. (Particle size distribution, density and viscosity of the feed have a major influence).

AREA OF APPLICATION

Slurry treatment:

- Microtunneling
- Diaphragm wall construction

OVERVIEW

- Easy and fast assembly
- Two set-up options for different on-site situations
- Easy road and sea transport. The complete plant is transported in an underflow tank with standard container dimensions and a CSC-certificate
- Wear resistant Linatex pump
- Powerful PU-cyclones for an optimal separation result
- Modular combinable with other Schauenburg components
- Extensive accessories available (see data sheet "Accessories")

SPECIFICATION

Plant type
Container with open steel frame incl. CSC-certification

Screening machine
Double-deck screening machine (width 1.4m, length 2.5m) for optimal separation and dewatering of suspensions

Hydrocyclone stage
Hydrocyclones 3x type PC 250- N

Electrical equipment
Electrical equipment including wiring according to VDE. 400 V 50Hz

Control system
Control cabinet