

## 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 onto the classifying screen deck, where separation of the coarse particles takes place in the first process step. The coarse particles are conveyed to the discharge and thus out of the circuit. Particles smaller than the separation cut of the classifying screen deck are collected with the slurry in the 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 screening deck again and dewatered. The overflow is directed into another chamber and from here it is reused as a recycled slurry.

## SCHAUENBURG

Maschinen- und Anlagen-Bau GmbH  
Weseler Straße 35 · 45478 Mülheim-Ruhr  
Tel. +49 208 99 91 - 0 · Fax +49 208 59 24 - 09  
sales@schauenburg-mab.com

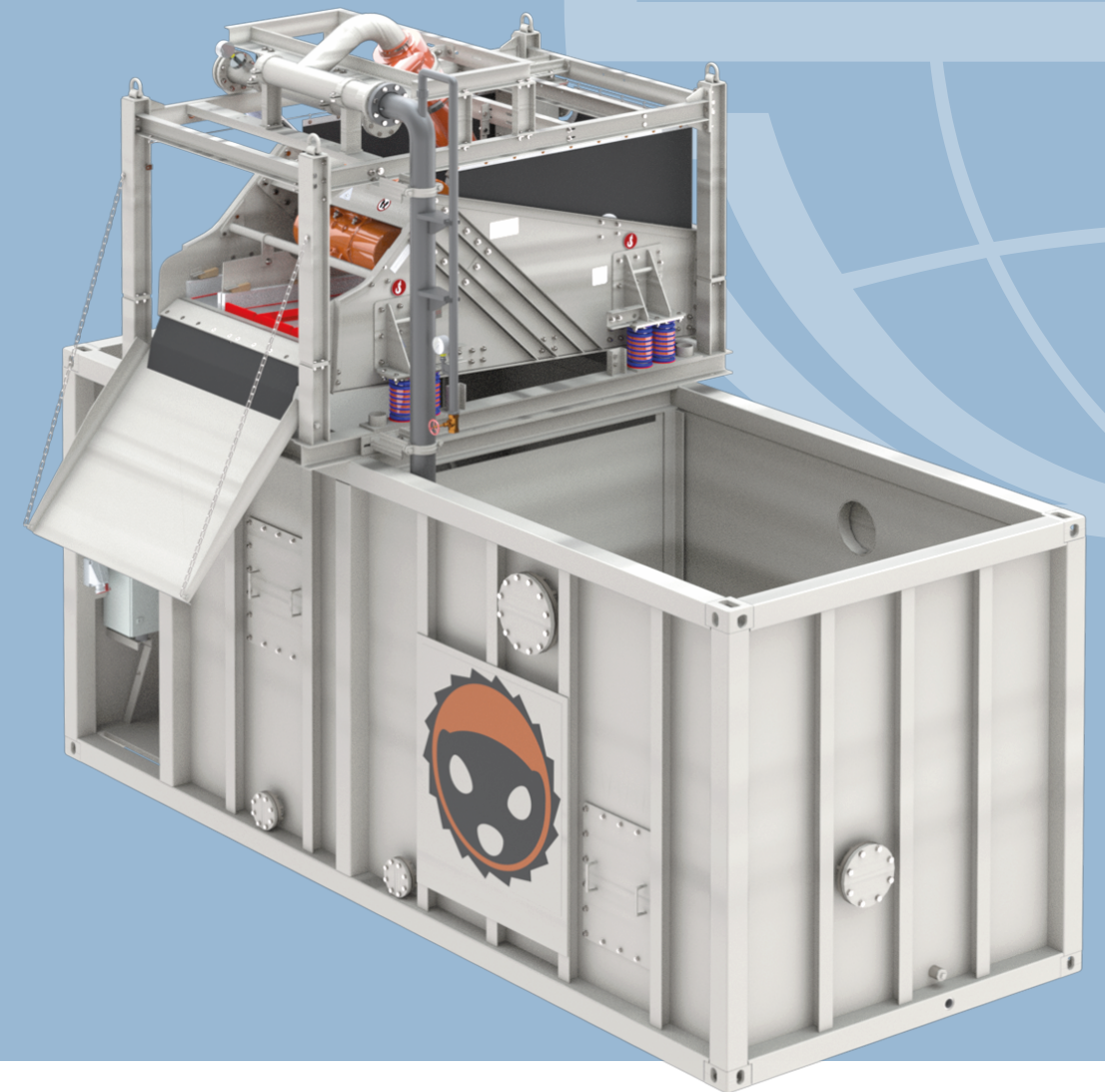
[www.schauenburg-mab.com](http://www.schauenburg-mab.com)



A company of the **SCHAUENBURG** International Group

ENGINEERING  
A BETTER WORLD

## SEPARATION PLANT MUNGO I



**SCHAUENBURG**  
Maschinen- und Anlagen-Bau GmbH

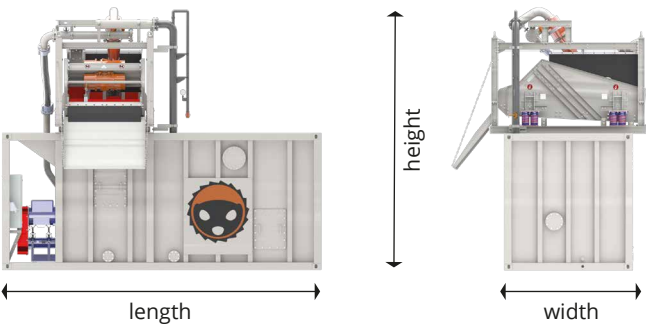
Customized to your requirements

# SEPARATION PLANT MUNGO I

As our most compact separation plant, the MUNGO represents the perfect combination of high-performance separation and site-appropriate design. Proven single-stage separation technology consisting of screening machine and hydrocyclones ensures optimum separation cut at feed rates of up to 100 m3/h.



## TECHNICAL DATA



Dimension/ Weight		
Transport length	mm	6.058
Transport width	mm	2.438
Transport height	mm	2.591
Transport weight	kg	9.500

Capacity		
Max. feed volume	m³/h	100
Max. feed capacity	t/h	20
Max. feed density	t/m³	1,3
Max. grain size	mm	80
Cutting point	µm	25*

Installed power (400V/50HZ)		
Pump 1	kW	18,5
Single-deck screening machine 2x 3,2 kW	kW	6,4
Other	kW	N/A
Installed power	kW	25,4
Required connected power	kVA	74

## FIELDS 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-cyclone 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**  
Single-deck screening machine  
(width 1.4m, length 2.5m) for optimal  
separation and dewatering of suspensions

**Hydrocyclone stage**  
Hydrocyclone 1x type PC 250- N

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

**Control system**  
Control cabinet

\* 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).