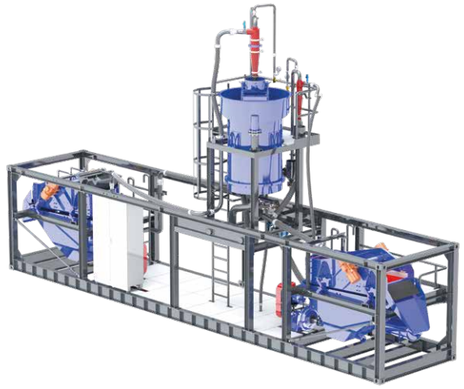

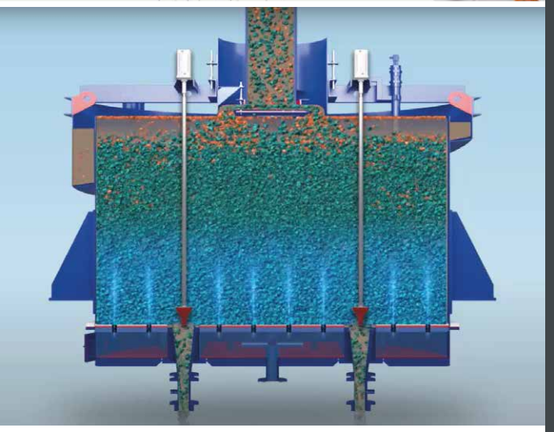

OPERATION

The MAB Catfish ensures an effective treatment of solids and sediments from water or soil remediation processes, producing high-quality mineral fractions.

Process step 1
The material is fed onto the MAB Catfish prescreen via a feeding chute, mixed with water.
Oversized particles are separated using a screening machine.

Process step 2
A pump transports the screened material to the first cyclone stage, where light materials and fine particles are removed through the cyclone overflow.
The underflow is thickened and transferred to the MAB Hydrosort I. It utilizes a continuous upstream water flow to create a fluidized bed, effectively separating organic particles, lightweight materials, and fine mineral contaminants into the overflow.

Process step 3
The underflow of the MAB Hydrosort I, consisting of the cleaned product, is dewatered and discharged using a dewatering screen-cyclone combination.

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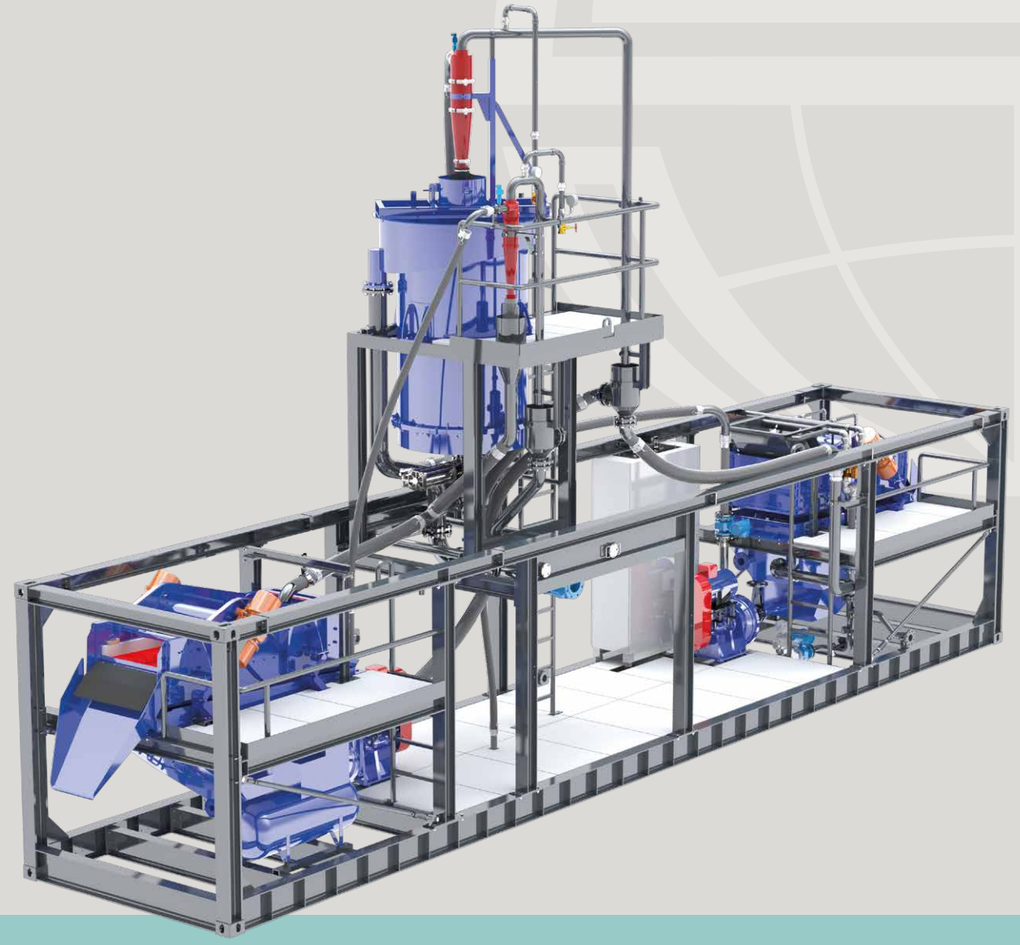
ENGINEERING A BETTER WORLD

MAB CATFISH



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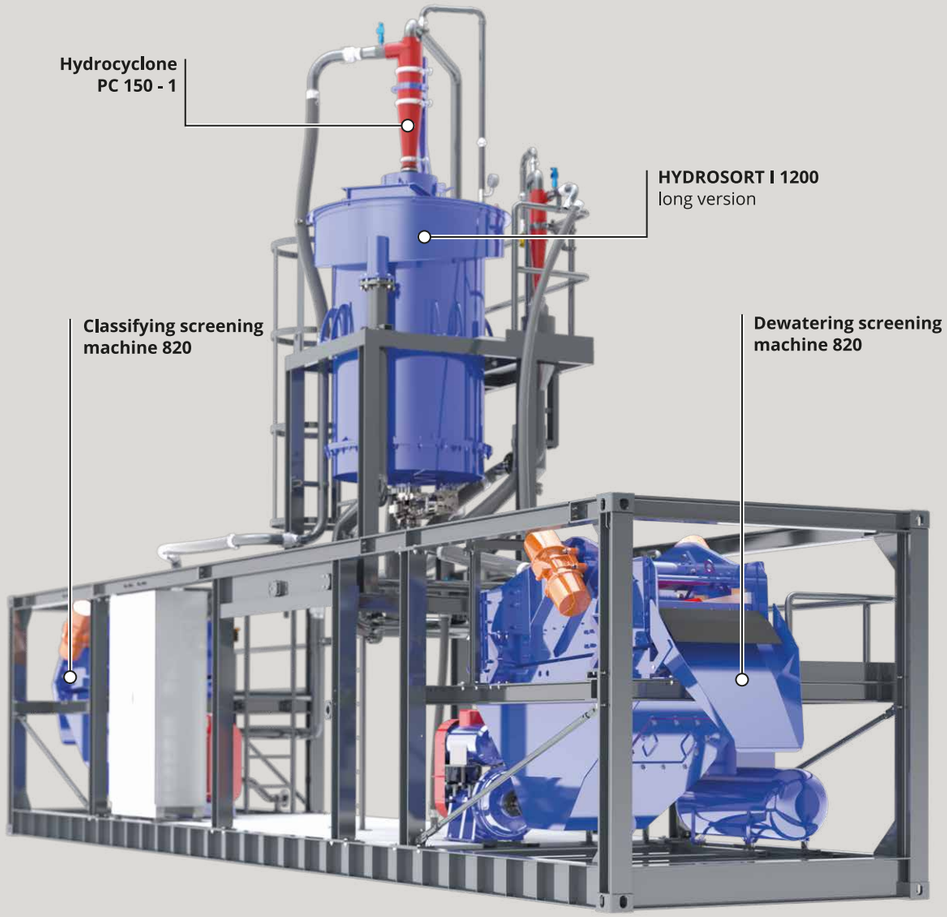
Customized to your requirements

MAB CATFISH

The MAB Catfish is an overall solution designed for an effective treatment of contaminated soils, river- and harbor sediments. The modular and expandable system is installed in a 40" container and Integrates a MAB Hydrosort I. The MAB Catfish ensures an efficient sediment & soil washing, processing up to 50 m³/h, and managing solid loads of up to 15 t/h with a maximum particle size of 10 mm.



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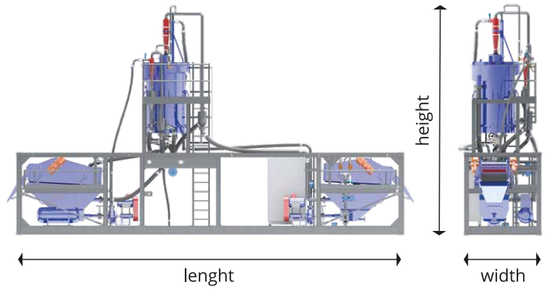
TECHNICAL DATA



Dimension/ Weight		
Transport length	mm	12.192
Transport width	mm	2.438
Transport height	mm	2.591
Transport weight	kg	15.000

Capacity		
Max. feed rate	t/h	15
Max. feed rate up to 2 mm	t/h	10
Max. sludge content -0.063 mm	m%	15
Max. feed volume	m³/h	50
Max. density organic	t/m³	1,2
Max. particle size	mm	10

Installed power	(400V/50HZ)	
Pump 1	kW	11
Pump 2	kW	5,5
Compressor	kW	7,5
Classifying screening machine 2x 1,5 kW	kW	3
Dewatering screening machine 2x 1,5 kW	kW	3
Total (e.g. air conditioner optional)	kW	30
Required connected power	kVA	75

* 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

Environment & Recycling

- Contaminated soils
- River sediments
- Harbor sediments
- Sand

OVERVIEW

- Easy and fast assembly
- Compact, foldable Hydrosort I
- Containerized frame for easy road and sea transport through (CSC- certification)
- Classification, washing, and dewatering combined in one application
- High performance PU cyclones for optimum separation results
- Modularly combinable with other Schauenburg components
- Extensive accessories available

SPECIFICATION

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

Screening machine
Two combined screening machines
(width 0.8 m, length 2.0 m)
The first screening machine ensures the classification of the feed material as the initial process step, while the second screening machine takes over the dewatering of the processed material as the final stage before discharge

HYDROSORT I
HYDROSORT I 1200 long version

Hydrocyclone stage
Hydrocyclones 1x type PC 150 – 1

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

Control system
Control cabinet incl. SPS control
(optionally extendable by touch panel)