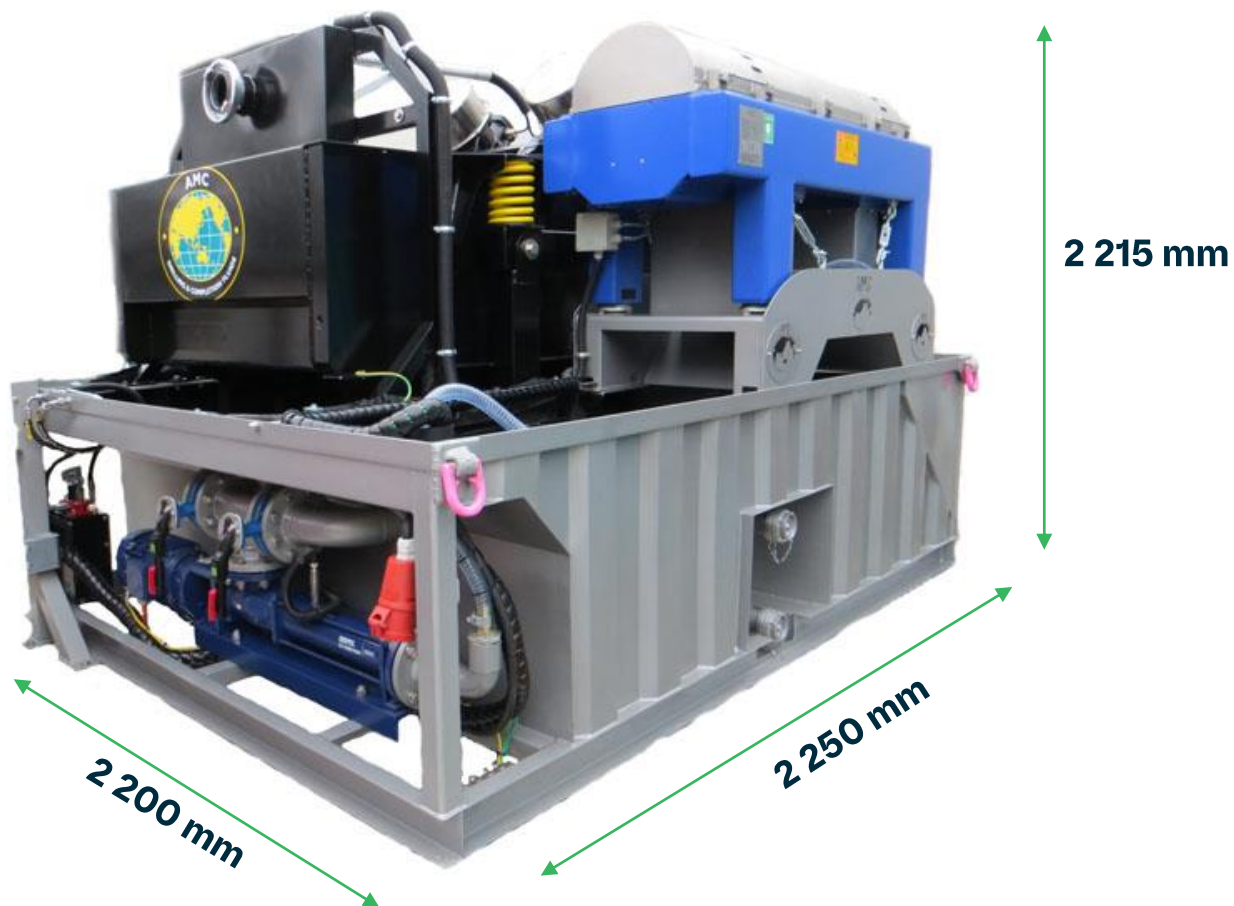


# IMD-500-SC

**IMDEX**<sup>TM</sup>



**KG**  
**2 200**  
**Kg**

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# IMD-500-SC

## Description

The IMD-500-SC provides a highly innovative solution for traditional drilling fluid handling and solids control on-site, as the IMD-500-SC can be integrated directly into your work process. The closed flushing system increases environmental protection, minimizes product use and optimizes the drilling process.

## Application

The shaker component of the system is responsible for the primary separation of drilling fluids and solid particles. It employs a high-capacity vibrating screen with multiple layers to efficiently separate and remove large cuttings and solids from the drilling mud. The robust design ensures effective solids control, allowing for the reuse of valuable drilling fluids while minimizing waste. Complementing the shaker is the decanter centrifuge, a vital component for further refinement of the drilling fluids. The centrifuge employs a high-speed rotational mechanism to separate finer particles and solids from the liquid phase. This process significantly reduces the solids content in the drilling mud, improving its rheological properties and enhancing overall drilling efficiency.

## Reducing Mud and Water Consumption

In operations where water management presents an operational challenge and has high associated costs, the closed-loop system of the IMD-500-SC allows the recycling of fluids and eliminates the continual need to cart water for drilling operations. Reduce water consumption by up to 90% and mud chemical consumption by up to 55%.

## Reducing Water and Mud Disposal Costs

The 200mm stainless steel decanter centrifuge can remove solids as small as 4 – 7 microns from drilling fluids, keeping drilling fluids in good rheological condition. The IMD-500-SC can reduce the volume of residual mud by up to 75%. Solids are condensed and transformed into a semidry solids cake, which minimises the costs associated with disposal.

## Improving Efficiency and Productivity

The use of clean drilling fluids is essential for drilling productivity. The IMD-500-SC maintains the properties of the fluids in optimum conditions, which reduces the wear and tear on rig components, optimises Rate Of Penetration, minimises formation damage, minimises fluid costs and reduces rig maintenance and breakdowns.

## Advantages

- Increase productivity and Key Performance Indicators
- Eliminates the cost of digging and rehabilitating sumps
- Reduces site footprint
- Minimises site re-mediation and environmental management costs
- Reduces water consumption mud usage and cartage costs
- Reduces the wear on drilling components
- Can be combined with many other AMC recycling equipment

## Weight and Dimensions

Length	2 750 mm
Width	2 200 mm
Height	2 215 mm
Weight	2 200 kg
Tank volume	2,8 m <sup>3</sup>

## Technical Specifications

Shale Shaker	3 panel Single Deck
Centrifuge	Alfa Laval CDNX 100 (200mm)
Max. speed	max. 5300 rpm
g value at max. speed	3100 g
Feed pump	Seepex BN10-6LS
Transfer pump	2,4kW Submersible pump
Agitator	1 x 0,9 KW
Control	PLC & VFD
Power Requirement	400 V, 3P-N-E, 50 Hz, 36 A, 22 KW
Required generator	27 KVA minimum



Manufactured under a quality system certified as complying with ISO 9001 by an accredited certification body.

Results may vary due to fluid properties and solids contents, please consult your nearest AMC technical specialist to achieve optimum performance.

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