

AMC Underground Solids Removal Unit™

AMC's award-winning solids control technology, in a modular design for underground operations.



The AMC Underground Solids Removal Unit™ (AMC UG SRU™) has a closed-loop system which reduces the volume of mud and water required for underground operations, reducing operational costs and creating a safer working environment.

Improving Efficiency & Productivity

The unit's high-speed decanting centrifuge is specifically adapted for diamond drilling, operating up to 3,000rpm, to remove solids to less than 5 microns and keep drilling fluid in excellent rheological condition. By maintaining clean, non-abrasive mud, the AMC UG SRU™ is able to reduce mud and water consumption, the occurrence of stuck pipe, wear-and-tear on drilling components, overall downtime, and allow personnel to focus on the drilling operations, rather than monitoring and mixing mud.

How Does It Work?

The AMC UG SRU™ works by circulating drilling fluid directly from the drill collar to be processed by the centrifuge, where drill solids are separated from the mud slurry and discharged via a waste chute. After being processed, cleaned drilling fluids flow into a tank for return to the drill rig. A conveniently positioned mixing system can be used to blend products into drilling fluid in this tank.

Key Benefits

- Reduces water consumption mud usage and transfer costs
- Reduces wear and tear on drill components
- Improves bit on bottom time
- Improves on-site health and safety, reducing slips and hazards due to mess, mud and water
- Increases drilling productivity KPIs
- Quick and easy installation.

TECHNICAL SPECIFICATIONS

OPTION 1 – SKID MOUNTED WITHOUT WHEELS

DIMENSIONS	SIZE
Weight	2,500kg (5512lbs) without wheels and tow hitch
Length	2,530mm (8.3ft) base frame without tow hitch
Height	1,960mm (6.4ft) base frame without wheels
Width	1,670mm (5.5ft) base frame without wheels including jack legs

OPTION 2 – WITH TRAILER

DIMENSIONS	SIZE
Weight	2,800kg (6173lbs) with wheels which can be removed
Length	2,530mm (8.3ft) + 1,670mm (5.5ft) tow hitch. Tow hitch is hinged and will fold upwards to approx 2,530mm (8.3ft)
Height	2,260 mm (7.4ft) with wheels which can be removed
Width	1,670mm (5.5ft) + 640mm (2ft) with wheels which can be removed

UNIT SPECIFICATIONS

ITEM	DESCRIPTION
Centrifuge	9" stainless steel bowl decanting centrifuge with a g-force of 2900 at 3000rpm
Process capacity	40 – 130L / min
Pump	Positive displacement pump
Mixing system	Jet hopper and agitator
Motor	Electric power lead with Masey plug powering electric/hydraulic motor
Tank capacity	2 x 950L chambers (approximately)

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.

Further Information

For more information please go to our website www.amcmud.com or contact your nearest AMC office.

ASIA PACIFIC

Perth, Australia (Head Office)

T +61 8 9445 4000

E amc@imdexlimited.com

Indonesia

T +62 (0) 21 759 11244

AFRICA

South Africa

T +27 (11) 908 5595

EUROPE

Germany

T +49 4402 6950-0

United Kingdom

T +44 (0) 1273 405 975

SOUTH AMERICA

Argentina

T +54 (9) 261 426 1116

Brazil

T +55 (47) 3404 5920

Chile

T +56 (2) 2589 9300

Peru

T + 51 (1) 322 8850

NORTH AMERICA

USA / Canada

T +801-364-0233

Mexico

T +52 (871) 169 2095