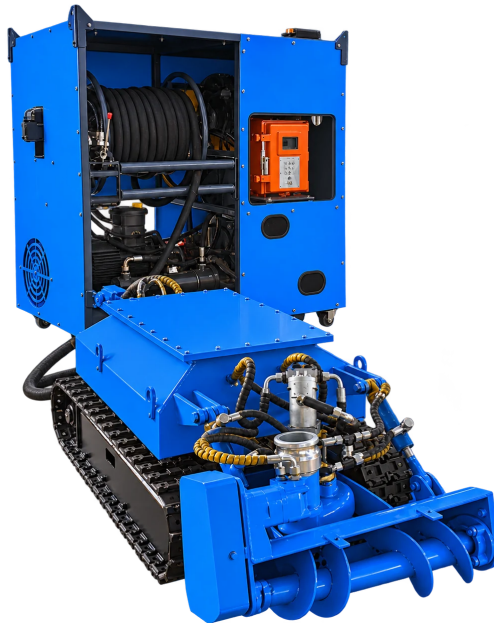


AMS-D500

Diesel Dredging & Desilting Robot

Remotely operated tracked dredging and desilting robot powered by a 56 kW four-cylinder water-cooled diesel hydraulic unit.



Actual equipment photograph with AMS colour treatment.

Engineering & project enquiries

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B-BBEE: Level 2

Diesel hydraulic power

Technical specification

Characteristic	Specification
Power source	Diesel hydraulic power unit
Engine output	56 kW
Engine configuration	4-cylinder
Engine cooling	Water cooled
Operation	Remotely operated tracked dredging platform

Pump & material handling

Technical specification

Characteristic	Specification
Discharge connection	80 mm
Maximum pump flow	100 m³/h
Maximum pump head	70 m
Maximum particle passage	15 mm
Maximum hydraulic input pressure	18 MPa / 180 bar
Maximum hydraulic input flow	60 L/min
Pump dimensions, L x W x H	270 x 220 x 460 mm
Pump mass	25 kg

Maximum flow and maximum head are separate pump limits. Duty-point selection accounts for slurry properties, pipe length, elevation and fittings. Pump dimensions and mass describe the pump component, not the complete robot.

Applications & operating duty

Desilting & sediment removal

Remove accumulated silt and sediment from suitable ponds, reservoirs, channels and water-storage areas.

Sludge transfer

Agitate and transfer pumpable sludge from suitable industrial basins, process ponds and settling areas.

Tank & sump cleaning

Remote sediment removal from compatible tanks, pits and sumps, subject to access and site requirements.

Dewatering support

Combine suction, discharge hose and pipeline connections for a specified water or slurry transfer duty.

Tailings & process applications

Assess slurry density, solids distribution, abrasion and pipeline duty for an engineered process solution.

Remote operation

A tracked platform and remote controls support work in areas where direct manual access is difficult.

Final project specification

The agreed quotation defines the final build, options, mass, dimensions, operating limits and required site documentation. Component ratings are not complete-machine or vehicle ratings. Confirm the configuration for the intended operating environment.

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