



underwater
cleaning
technology

YT-800

Description

Underwater Cleaning - without disturbing production

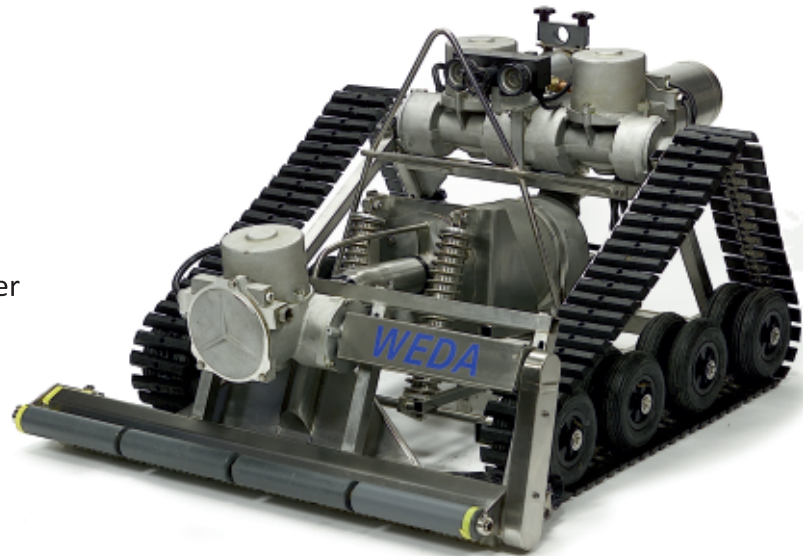
Weda YT – 800 is a remote controlled submersible robot developed for cleaning of large surfaces under water. The YT – 800 will clean your submerged surface, either it's a sand filter (slow filter), an infiltration basin or the bottom of a large water reservoir without havin to empty it.

Example cleaning of sand filters – online

One application for YT – 800 is cleaning of sand filters. Traditional cleaning using tracked crawler loaders and trucks is expensive and the filter has to be put out of production and completely drained. YT – 800 cleans while the filter remains in production. The YT – 800 removes the algae and sediments from the filter surface. This will lower the cost of cleaning and avoid losses in production or distribution capacity in the reservoir.

Easy and safe operation

The YT – 800 is remote controlled using a handheld radio control and can easy be operated by only one person. It can be equipped with underwater cameras to enable the operator to run the machine from a distance. It can for example be possible to run the machine from inside an operating room.



The optional hydrocyclon :

separates the algae and sediments from the sand surface and returns the sand to the filter. The sludge is pumped away to the sewer.

The YT – 800 is equipped with a powerful pump for pumping the sediment and algae to a designated point of discharge. Sediments can be pumped directly to sand and sludge treatment station if available at site.



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Optional equipment

Video camera for improved navigation in deep water.

Cleaning can be recorded and stored in CD-ROM, DVD or Digital format.

Alternative pumps Hydrocyclon

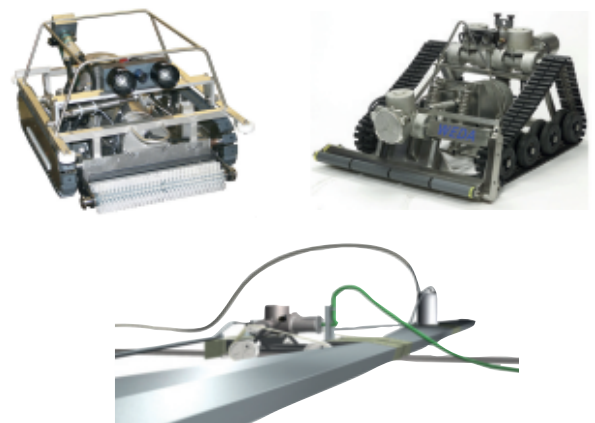
Realtime onboard separation of sand and algae. The sand is put back into the filter.

Technical Specifications

Dimensions (W x l x h)	120 x 115 x 90 cm
Suction width	120 cm
Weight	200 kg
Drive unit	Individually powered drive tracks
Suction nozzle	Vertically adjustable with rotating screw
Pump capacity	100 m ³ /h (will vary depending on length of discharge hose)
Speed	0,5 to 10 m/min
Power supply	400/480 V, 3-phase, 50/60Hz
Power consumption	5,5 kW
Radio control	Forward, backward, right, left, screw on/off, suction nozzle up/down, pump on/off
Discharge hose	3"

Our business - underwater cleaning technology

WEDA offers a wide range of cleaners for small and large drinking water reservoirs, various types of filters and sedimentation basins. WEDA, formed in 1919, is a Swedish company with headquarters in the town of Södertälje, south of Stockholm. WEDA products are available worldwide through a global network of distributors and Weda subsidiaries in the US and Germany .



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