



underwater  
cleaning  
technology

**YT-600**

## For sediment removal in reservoirs

YT-600 is a remote controlled vehicle for sediment (sludge) removal in all sorts of reservoirs. The powerful on-board submersible pump and wide nozzle allows for efficient cleaning of large bottom surfaces.

The sediment is pumped through a hose to a selected discharge point or to a filter.

Traditional cleaning after draining and then removal of the sediment requires the reservoir to be taken out of operation, which creates disturbances and may result in cracks and other problems in the reservoirs bottom and wall structure. By using the YT-600 the reservoir may stay in operation during cleaning. The YT600 is used today in several different industrial applications, from mines and desalination works to cooling towers in the processing – and other types of industries.



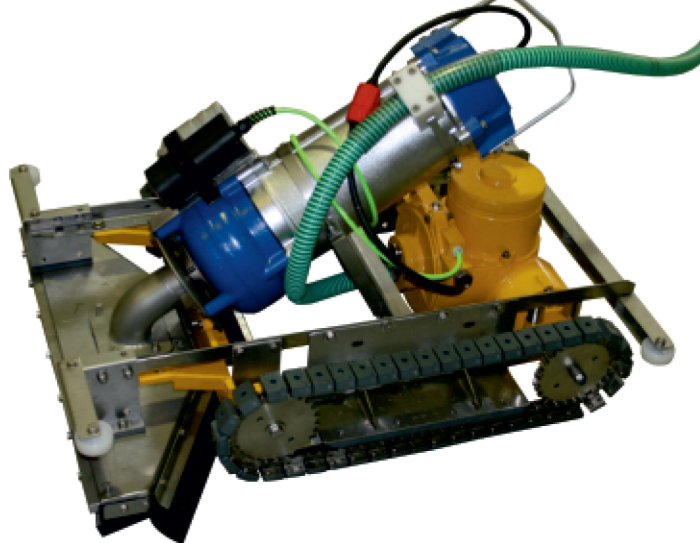
YT-600 is easily handled by one operator. YT-600 can be equipped with cameras and lamps in order to facilitate operation from a van or a control room. Using YT-600 decreases the cleaning costs and does not disturb the distribution. YT-600 has only electrical motors and uses no dangerous oils or chemicals that may damage the reservoir. YT-600 is delivered in the standard version with a 1.5 kilowatt pump and a 630 mm broad nozzle with a built-in fixed brushes. Alternative pumps and nozzle designs can be delivered when needed.



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## Optional equipment

Pump and nozzle can easily be dismantled at site for easy handling and transportation.  
Possibility to change the pump capacity, other pump/nozzle configuration possible.  
Dimension, L\*W\*H (mm) 950x630x900.  
«Robot cleaning operation during normal water basin operation» yes.  
Sludge discharge point waste, tank, road tanker and geotube.  
Sludge evacuation hose/pipe diameter, (mm) 75  
Documentation/user manual yes.  
Track type is sand track.  
Brush type Fixed, mounted inside nozzle/option  
Suction Nozzle Stainless steel, special design to fit the pump.

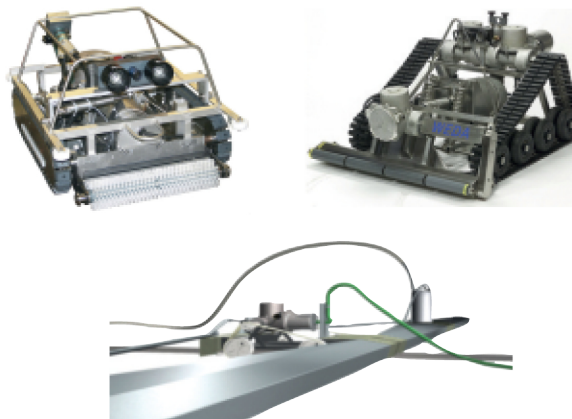


## Technical Specifications

Maximum area cleaning speed,	200 m <sup>2</sup> /h
Maximum cleaning speed (fixed)	0.2m/s
Cleaning width	630 mm
Maximum sludge thickness	~100mm
Maximum particle size	40 mm
Video camera	fixed with LED lights
Remote control Radio	Remote control Radio
Video recording possible	CD, DVD, Digital
Number of operator	1
Maximum pumping capacity	~30m <sup>3</sup> /h
Power supply	400V 3 phases 50Hz
Power consumption	2 KW
Weight in air Approx.	50kg
Mobility Delivered on Trolley	
Pump type	submersible sewage pump
Pump power (Standard)	1,5 kW

## 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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