

Watermaster

Classic IV | Classic V

Amphibious Multipurpose Dredger
For dredging, piling, raking – and more

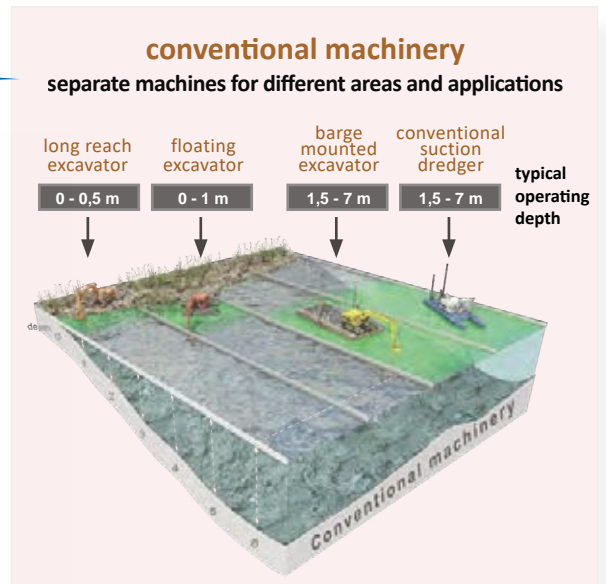
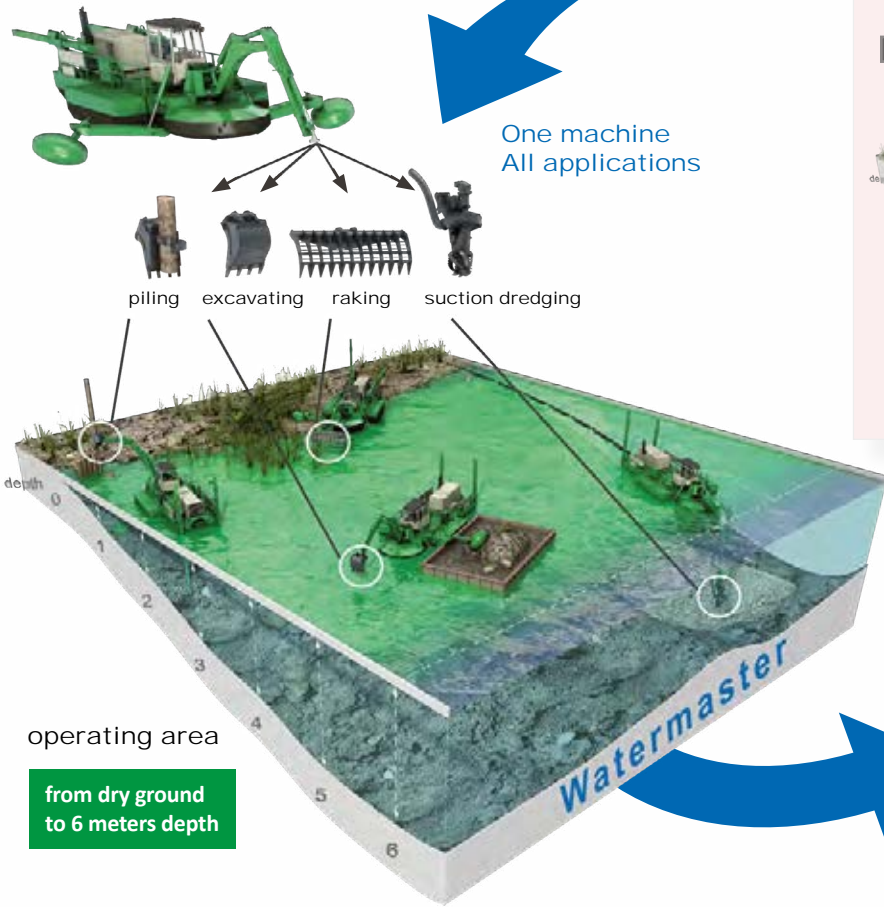
Unique mobility in water and on land
Operational area from dry ground to 6 meters depth

Made in Finland - Operating worldwide



Watermaster

Amphibious Multipurpose Dredger



Watermaster

- one machine for all applications
- superior mobility and versatility
- replaces several single purpose machines
- reduces investment and operational costs
- proven performance and service



1 transport
on a standard trailer

2 mobilize
without set-up times,
cranes and tugboats

3 work
without winches, wire-cables
and assisting vessels

versatile

mobile

proven

Watermaster

amphibious multipurpose dredger



Watermaster cutter pump

- sludge-pumping capacity up to 600 m³/h with Classic IV and 900 m³/h with Classic V
- discharge distance up to 1,5 km
- submersible, includes two cutter crowns
- revolutionary integrated cutting knife system (patented)



600 l bucket

- for excavation work



clamshell bucket

- for excavating polluted materials - seals the materials inside the bucket
- ideal for loading into barges
- volume 600 l



rake

- for removal of reeds, roots and other vegetation
- for cleaning the bottom from trash
- 2,75 m wide



piling bucket

- for driving wood piles
- for reinforcing shores
- for marina maintenance



FOPS certified cabin



Caterpillar engine

discharging up to 1,5 km away

large work area with flexible excavator arm

quickly changeable attachments

independent anchoring with 4 stabilizers

MINIMIZED REPOSITIONING TIME = MAXIMUM WORK EFFICIENCY

With its flexible excavator arm and four unique stabilizers, the Watermaster covers a large area from each position, and changes its position quickly

keep waterways operational

- deepening and maintaining shallow waterways
- marina and harbor dredging
- beach revitalizing and land reclamation



prevent floods and clean the environment

- flood prevention and control
- removal of invasive vegetation
- cleaning and restoring urban canals



utilize in construction projects

- foundation work by pile driving
- strengthening shorelines by pile driving
- trench digging and laying underwater pipe and cable



maintain industrial ponds and recover valuable materials

- maintenance of process- and wastewater ponds
- recovering valuable materials from tailings and drainage ponds

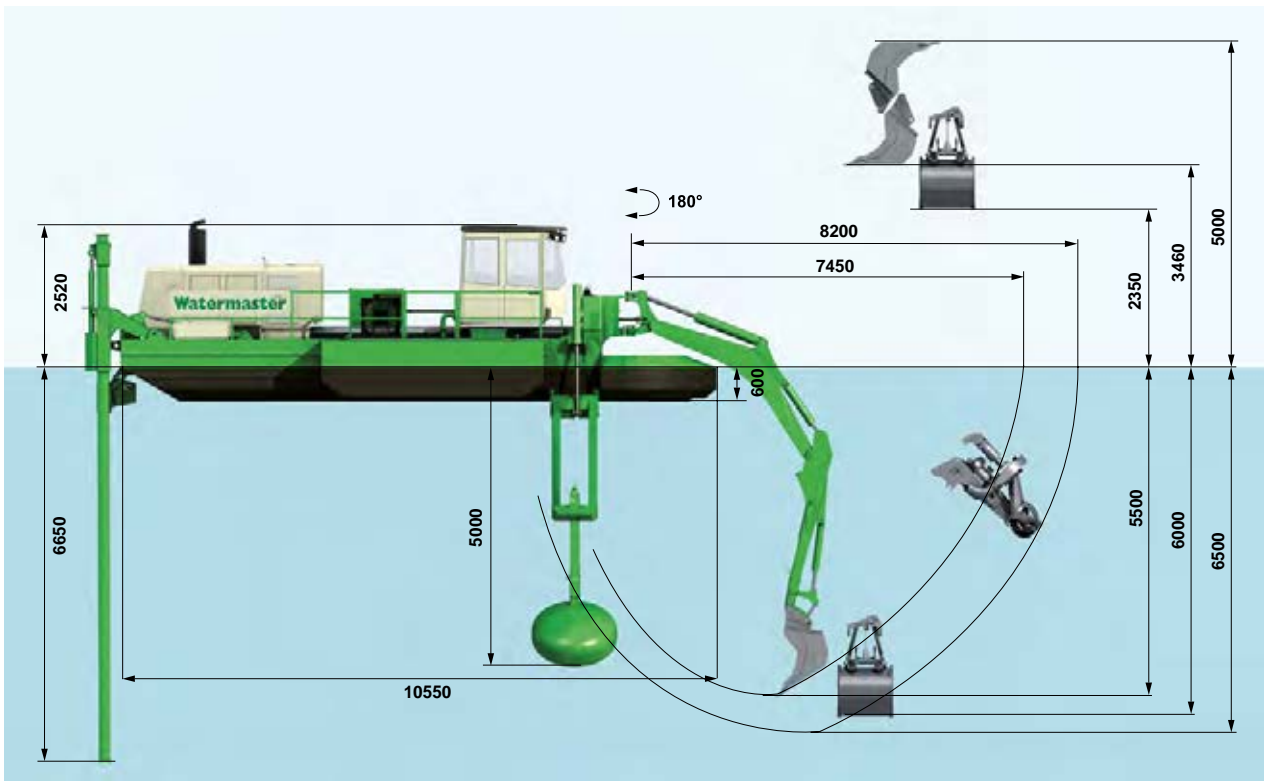


proven technology

- continuously developed since 1986
- made in Finland - operating worldwide
- supported by Watermaster service network
- ISO 9001 & ISO 14001 certified serial product



amphibious multipurpose dredger



Amphibious Multipurpose Watermaster

engine

Caterpillar C7.1, turbo charged, 6-cylinder diesel engine

- air-water radiator cooled
- flywheel power at 2100 rpm
- fuel tank capacity
- electric system
- batteries
- electric refueling pump

168 kW (Classic IV)
205 kW (Classic V)
1200 l
24 V
2 x 170 Ah

hydraulics

- one axial piston pump for dredging and propeller - operating pressure
- one axial piston pump for digging and stabilizers - operating pressure

max. 345 bar
max. 230 bar

excavator

- swinging angle
- break-out force from bucket cylinder
- digging force from arm cylinder
- lifting capacity at max. reach
- quickly changeable attachments

180°
83 kN
47 kN
24,5 kN

hull

- one piece hull divided into 7 watertight compartments
- corrosion resistant painting outside and inside
- protective skid bars on underside
- mast, signal lights for dredging and navigation

cabin

- modern FOPS certified cabin with excellent visibility
- additional seat for instructor
- 10 work lights

anchoring

- independent anchoring and work movement without assisting vessels, winches or wire-cables
- two front stabilizers, max depth 5,0 m
- two rear tilting stabilizers, max depth 6,7 m

mobility

- self-loading and self-unloading to/from a trailer
- moves independently in and out of water
- self-propelled
- amphibious in all work modes

certified quality

- quality certificate ISO 9001
 - environmental certificate ISO 14001
 - safety certificate ISO 3449
- certificates issued by authorized certification authority

transport dimensions and weight

transport length without boom 11,00 m
transport length with boom 17,00 m
transport width 3,30 m
transport height 3,15 m
transport weight ca 19,50 t

Technical specifications are subject to change without prior notice.
The pictures in this brochure include optional equipment.
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AQUAMEC Ltd.

P.O. Box 260, FI-27801 Säskylä, Finland
Tel: +358 10 402 6400, Fax: +358 10 402 6422
E-mail: watermaster@watermaster.fi

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