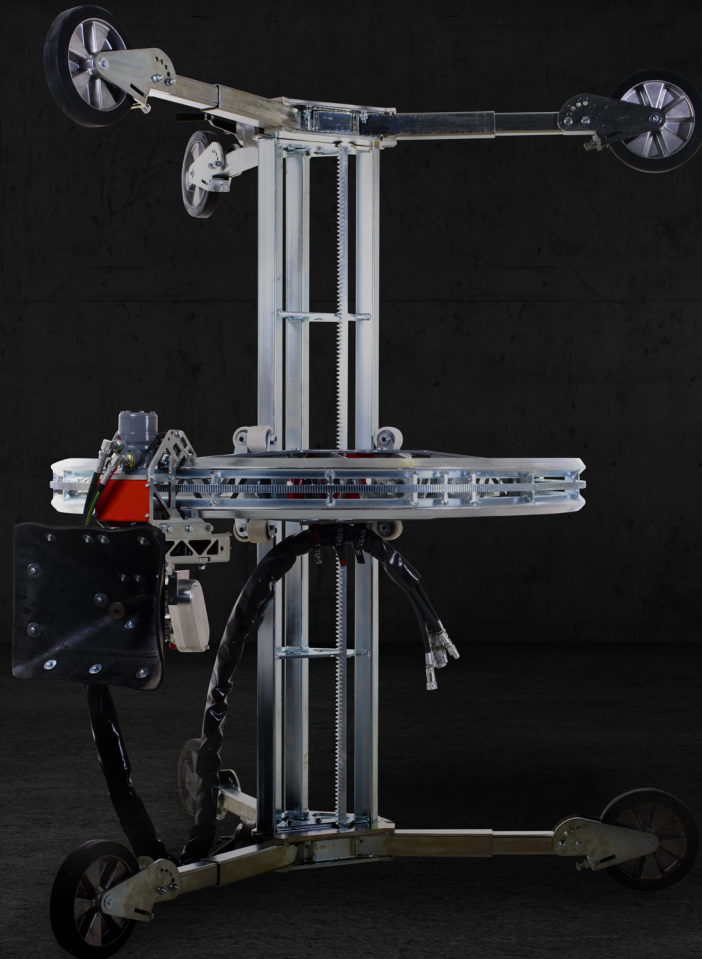
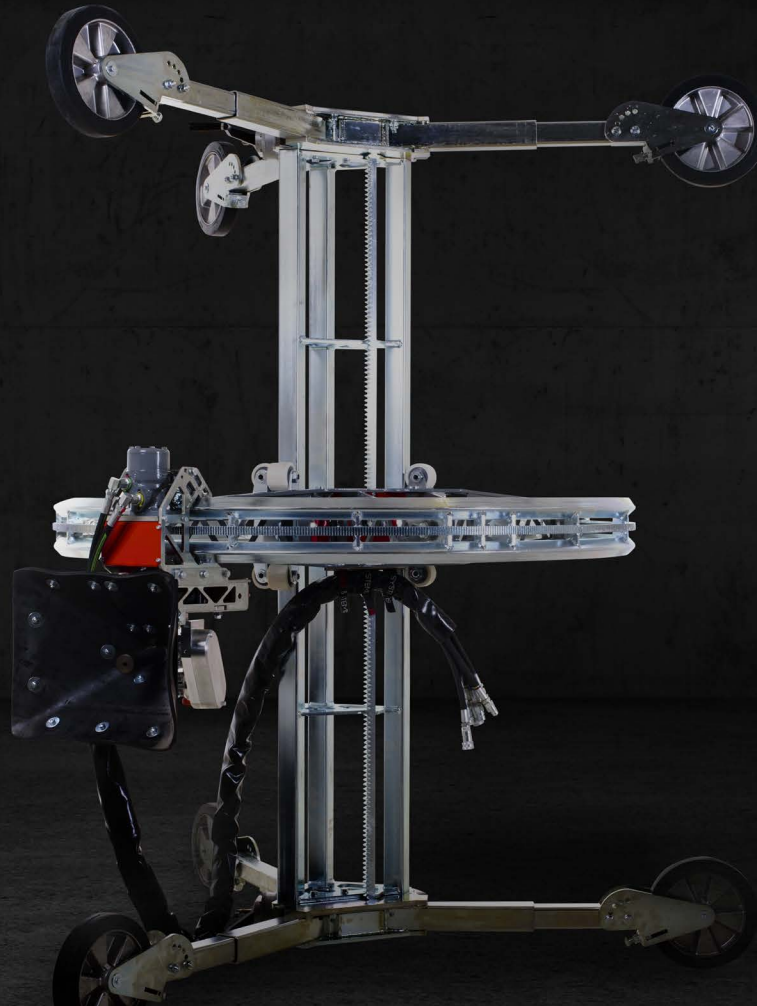


AQUA CENTRALIZER
Hydrodemolition robot accessories

Centralized power



AQUAJET



AQUA CENTRALIZER

Aqua Cutter 410V/710V/PCM

System for removal inside pipes and columns

The Aqua Centralizer is a 360° ring mounted on an Aqua Spine base that can be used for treating pipes or round tunnels from the inside. The power head can work a pre-set angle inside the tunnel or the full range of 360°.

The Aqua Centralizer can operate both in horizontal tunnels or vertical/inclined tunnels where it can be positioned with a hoist device. The power head and ring assembly indexes automatically along the spine rail to complete a whole tunnel section.

Adjustable lance angle

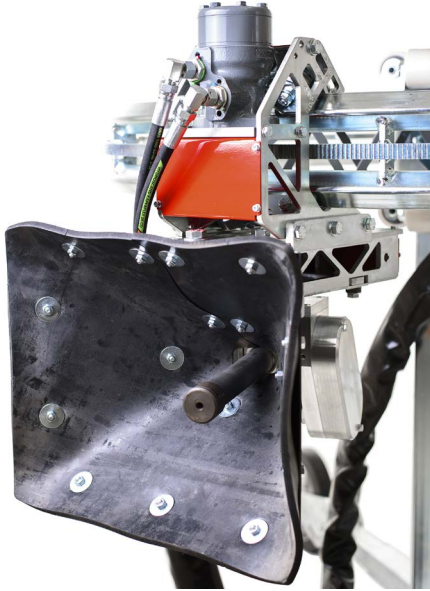
With the 25° adjustable lance angle and adjustable stroke of oscillation, the head can be reversed to handle both inside pipes and outside pillars if used on the Circular Power Head. The power head is easy to attach to the ring curved rail and is secured with one single bolt. The Spine roller is attached to the Spine rail in the same way.

Support wheels and Spine system

Triple support wheels that centers itself and crank handle with two gear ratios, low and high. Centralizer support fits in tunnels with diameters 1,5-3,0 meters. The base of the Aqua Centralizer is the triple rail from the Aqua Spine system, which means it can be built up to 6 meters between the two centralizer supports. The Triple rail can also be mounted in front of the support to reach all the way into a dead end of a pipe.

Power Head

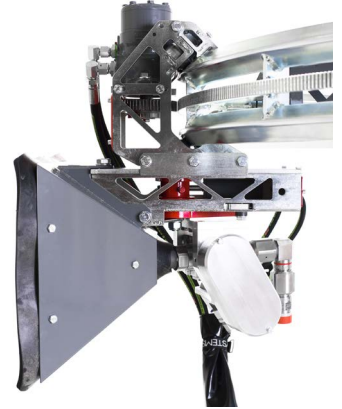
25° adjustable lance angle and adjustable stroke of oscillation. The head can be reversed to handle both inside pipes and outside pillars if used on the Circular Power Head.



Adjustable diameter

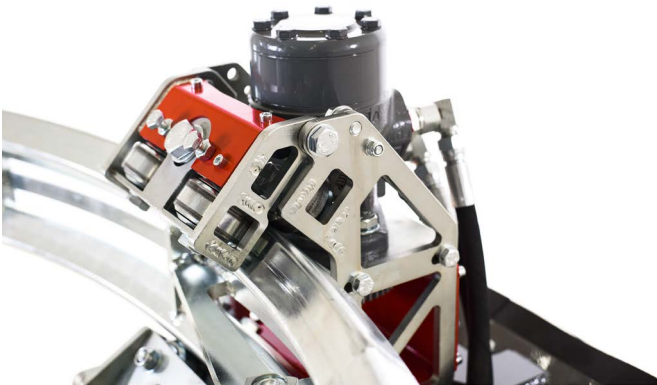
Centralizer rings are available in following diameters:
1,0m (fits 1,5-2,0m tunnel)
1,5m (fits 2,0-2,5m tunnel)
2,0m (fits 2,5-3,0m tunnel)

The bottom of the power head slides 250mm in and out to cover different pipe diameters in the 0,5m range between the different ring diameters.



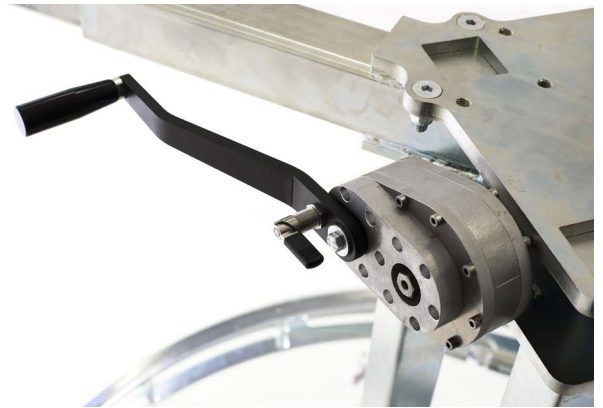
Connect the Power Head

The power head is easy to attach to the ring curved rail? And secured with one single bolt.

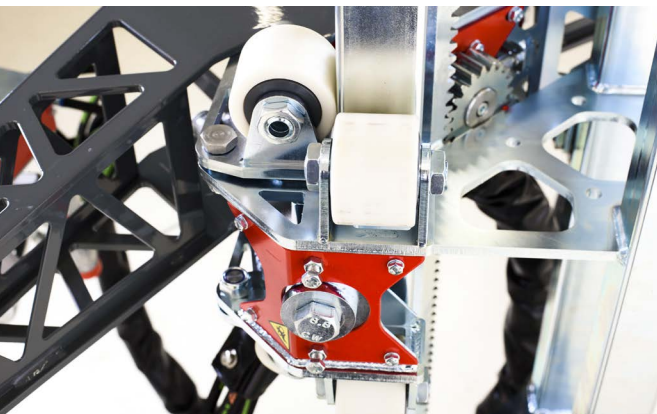


Centralizer

Tripple support wheels that centers itself and crank handle with two gear ratios, low and high. Centralizer support fits in tunnels with diameters 1,5-3,0 meters.

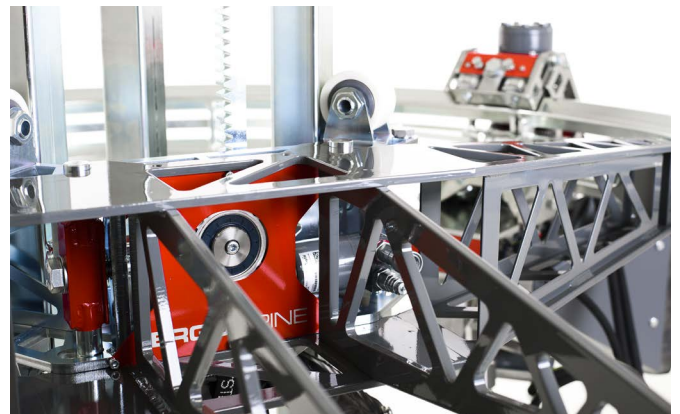


The Spine roller is attached to the spine rail in the same way.



Aqua Spine

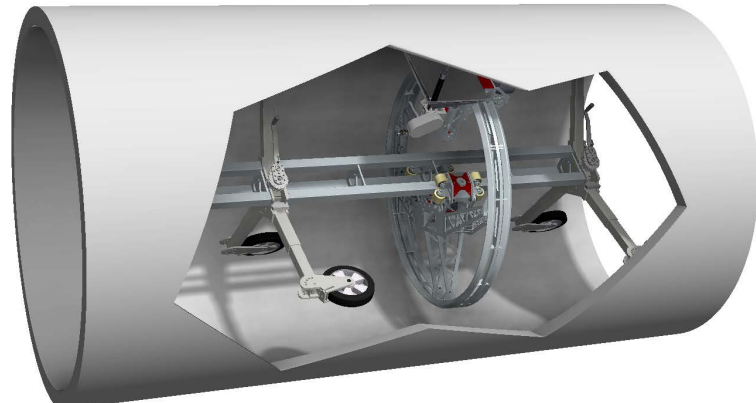
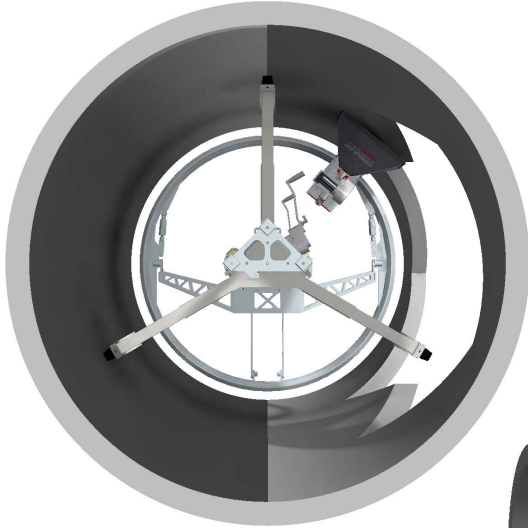
The base of the Aqua Centralizer is the triple rail from the Aqua Spine system, which means it can be built up to 6 meters between the two centralizer supports. The Triple rail can also be mounted in front of the support to reach all the way into a dead end of a pipe.





Facts

Working diameter with $\varnothing 1,0\text{m}$ ring	$\varnothing 1,5\text{-}2,0\text{m}$ (4,9-6,5 ft)
Working diameter with $\varnothing 1,5\text{m}$ ring	$\varnothing 2,0\text{-}2,5\text{m}$ (6,5-8,2 ft)
Working diameter with $\varnothing 2,0\text{m}$ ring	$\varnothing 2,5\text{-}3,0\text{m}$ (8,2-9,8 ft)
Max length between supports leg	6,0 m (6,6 ft)
Spine rail sections	0,5/1,0/2,0/3,0m
Max length on Spine rail outside	1m (3,3 ft)
Lance angle	$\pm 25^\circ$
Oscillation step 1	$5^\circ / 26\text{mm}$ (1,0 in)
Oscillation step 2	$9^\circ / 48\text{mm}$ (2,0 in)
Oscillation step 3	$14^\circ / 74\text{mm}$ (2,5 in)
Lance adjustment in-out	250mm (9,8 in)
Total weight with ring $\varnothing 1,5\text{m}$ (4,9 ft)	420 kg (925 lb)
Total weight complete with all rings	590 kg (1300 lb)
Max reaction force	2000 N
Roller speed	AUTO
Indexing speed	AUTO
Max water depth continuous	1m (3,3 ft)
Max water depth intermittent	10m (33 ft)



$\varnothing 1,0\text{m}$ (39") up to $\varnothing 2,0\text{m}$ (79") pipe
 $\varnothing 1,5\text{m}$ (59") up to $\varnothing 2,5\text{m}$ (98") pipe
 $\varnothing 2,0\text{m}$ (79") up to $\varnothing 3,0\text{m}$ (118") pipe

