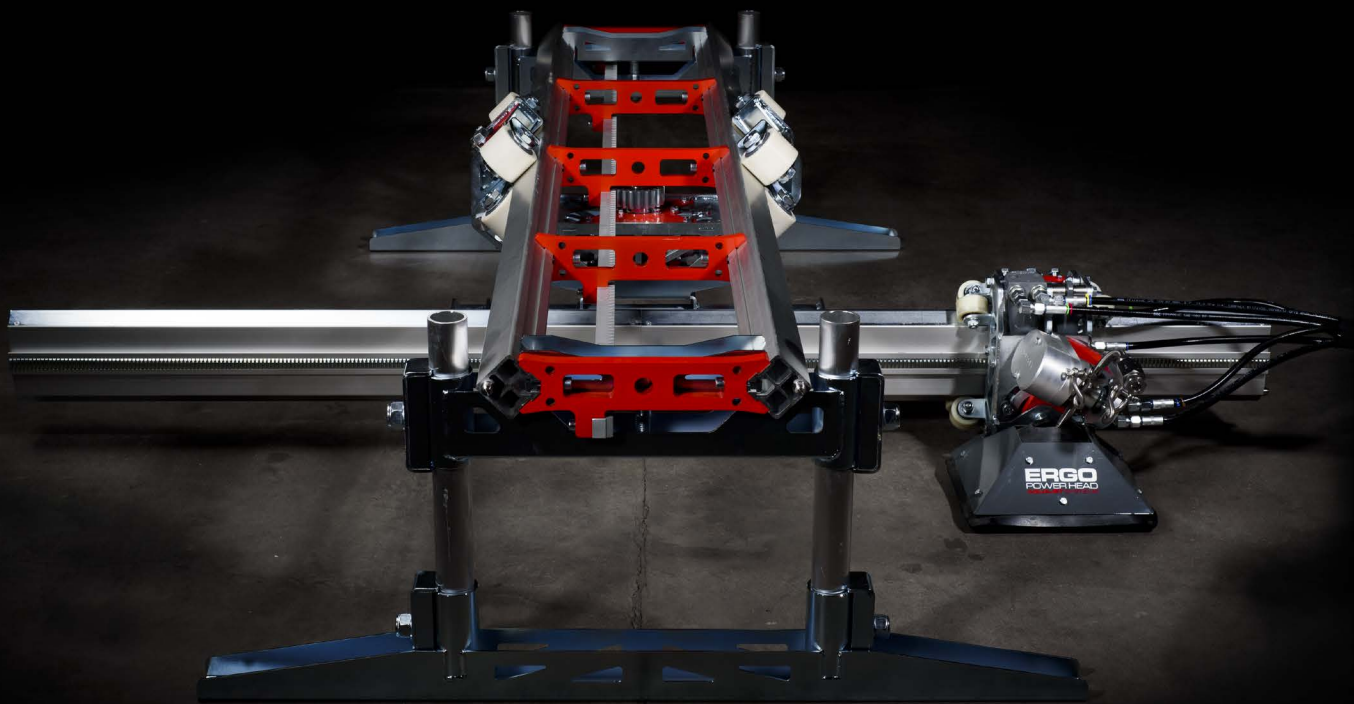


ERGO SPINE
Ergo system

Embrace the lightweight system



AQUAJET

Flexible hydrodemolition support

This innovative attachment couples with the convenience and portability of the Ergo system to deliver a lightweight yet formidable hydrodemolition solution. Its powerful water jets efficiently take on concrete removal and repair in some of the most challenging spaces to work, opening up the productivity of robotic hydrodemolition to nearly anybody in any location.

The Ergo Spine includes an Ergo Spine and a power head attached with a single bolt to a roller beam, which is connected to a spine roller mounted on a spine rail. Depending on the configuration, the setup may be supported by standard support legs, or the spine rail may be attached directly to a surface.

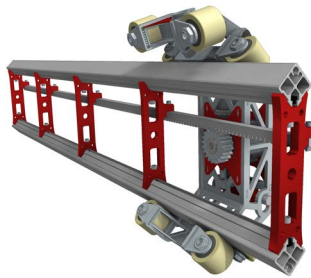
Key features

All parts can be carried by one person and all connection points are with a single bolt. We use the same bolt size for connections between spine parts and all intersection points are marked with

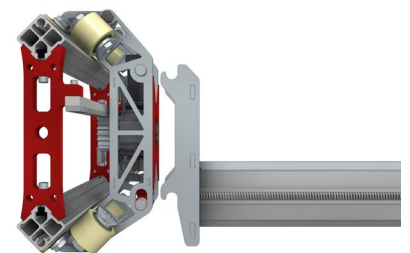
red. The Ergo Spine features a low weight, high strength skeleton base with a wheel setup that divides forces for the ability to handle high reaction forces. It can also be equipped with robot power head to handle high reaction forces.

Setups

The Spine's standard setup easily tackles concrete walls, floors and ceilings while the side setup delivers hydrodemolition power to narrow spaces.



The spine roller is connected to the spine rail with a single bolt.



Quick connection with a single bolt for different brackets and tools.

Facts

Working width	0.25-2.0 m (0.82-6.56 ft)
Max length between supports	2.0 m (6,56 ft)
Min clearance height	500 mm (19.69 in)
Roller beam lengths	0.25 m / 0.5 m / 1.0 m (0.82 ft / 1.64 ft / 3.28 ft)
Lance angle	±45°
Oscillation steps	8° / 22mm (0.87 in) and 14° / 42mm (1.65 in)
Spine roller weight	28 kg (61.7 lbs)
Spine rail weight	11 kg/m (7.39 lbs/ft)
Power head weight	21 kg (46.3 lbs)
Roller Beam weight	9.5 kg/m (6.38 lbs/ft)
Complete spine (2x2m) weight	approx. 125 kg (275.6 lbs)
Max reaction force	2000N @ 1,0 m from spine center Ergo Controller

