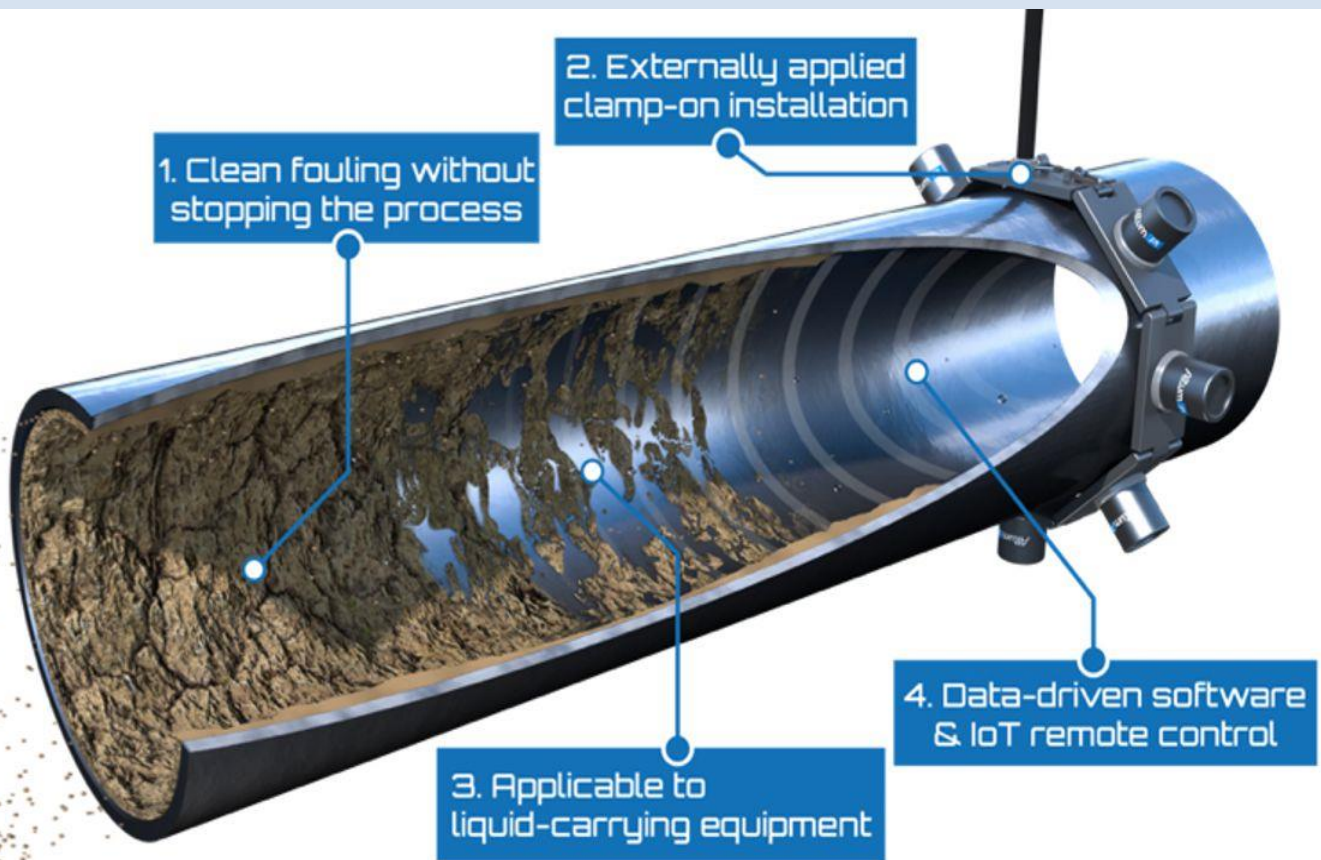


ULTRASONIC PIPE CLEANING SYSTEMS



**WE ARE COMMITTED TO
DELIVERING INNOVATION,
EFFICIENCY AND
SUSTAINABILITY**

Ultrasonic pipe cleaning is an advanced, non-destructive industrial maintenance method that uses high-frequency sound waves to generate microscopic cavitation bubbles in a liquid. When these bubbles implode, they produce highly localized shockwaves that scrub the inner and outer surfaces of pipes, removing scale, grease, biofilms, and chemical residues.



Benefits :

- Prevents fouling and scale from accumulating, saving millions in maintenance downtime, energy, and pump efficiency
- Capable of reaching microscopic crevices, internal bends, and heavily rusted sections that standard brushes or pigs cannot reach.

TECHNICAL DETAILS :

FREQUENCY	20 KHZ
CONVERTOR CONSTRUCTION	HIGH GRADE ALUMINIUM MATERIAL
POWER EFFICIENCY	1000 WATTS TO 4000 WATTS (Joule /second)
VARIABLE POWER	AMPLITUDE SETTING MINIMUM 50% TO 100% ADJUSTABLE
ULTRASONIC GENERATOR	MICROCONTROLLER IGBT OR MOSFET BASE
COMPLIANCE STATUS	ISO 9001:2015
COMPLIANCE STATUS	CE : MACHINERY DIRECTIVE (MD) 2006/42/EC



Oil & Gas and Petrochemical: Removes hardened grease, carbon, coke, drilling mud, and paraffin wax buildup from pipelines, heat exchangers, and drilling equipment.



Industrial Manufacturing & Tubing: Inline systems continuously clean metal tubes, wires, and corrugated hoses to remove drawing lubricants and punching dust.



Water Treatment & Plumbing: Helps dissolve calcium, mineral scale, rust, and biological blockages in municipal and residential water lines.



MTEKSONIC

Classic Sterling , B/001, Plot No. 84, Sector -08 New Panvel (E), Navi Mumbai-410206,

Contact : 8779681396, 8850571344, 9594545503.

Email : info@mteksonic.com, info.mteksonic@gmail.com

Website : www.mteksonic.com



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