

PICOTE

AQUA
FOR WATER



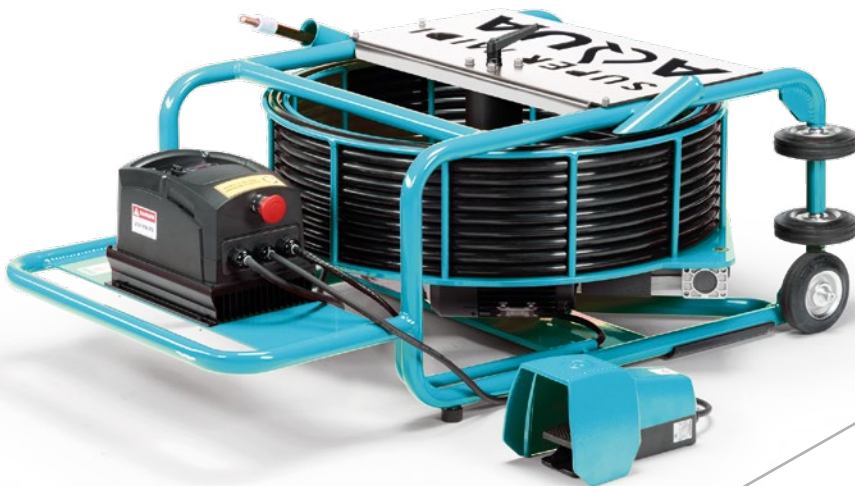
High-Speed Cleaning for Water Pipes

Picote offers a range of high-speed, high torque machines and tooling to tackle any surface preparation work or other descaling challenges with minimal water usage.

Picote Aqua takes the same technology of our tried and tested Picote Millers, used on thousands of wastewater jobsites worldwide every day, and applies it to clean water, with easily identifiable machines specific for water usage and a range of tooling to tackle almost any descaling challenge, even up to 100% corrosion!

Millers with Antibacterial Coating

A full range of high-speed multi-use Millers are available for cleaning and descaling. We have several models, including the Midi Cleaner, Super Midi, Maxi Miller and Maxi Power+, to meet your needs. All Millers can be sanitised (food grade) using Nanotechnology which kills bacteria and viruses. Shaft oil used for Millers is food grade too.



Super Midi

A high-speed multi-use machine. For cleaning and descaling DN75-150 pipes. 110v and 230v models available. 12mm Shaft with thin outer casing making it safe for the operator to hold. Operator presence control, electric safety clutch and E-Stop for added safety. Range 20m or 30m by adding a 10m extension. Access from either end of pipe for increased capabilities.



Maxi Miller

A high-speed multi-use machine for cleaning and descaling DN75 to 250 pipes and brush coating DN75-300 pipes. 110v and 230v models. 12mm Shaft with thick outer casing, making it safe for the operator to hold. Operator presence control, electric safety clutch and E-Stop for added safety. Range 30m from each access point, or 40m by adding a 10m extension.



Safety & Testing

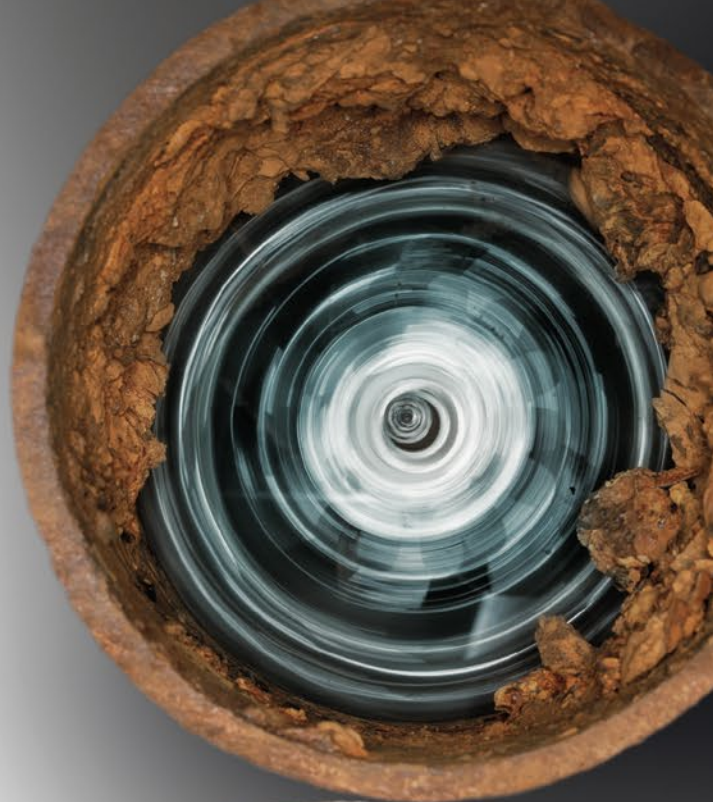
Our machines are designed with operator safety in mind. The flexible shaft rotates inside a outer casing which makes it safe to hold. All Millers are also fitted with a safety clutch, a shielded operator presence foot control and an emergency stop button. Before leaving Picote, all Millers undergo rigorous testing to ensure they meet our high quality standards.

Impressive Finish!

Our high-speed Millers are capable of cleaning cast iron pipe back to near original condition in only a few passes. Quickly and efficiently complete works without compromise, reducing how frequently the line will need to be cleaned. Prepares the inner pipe surface for rehabilitation to allow use of spray applied, CIPP or pipe insertion lining products

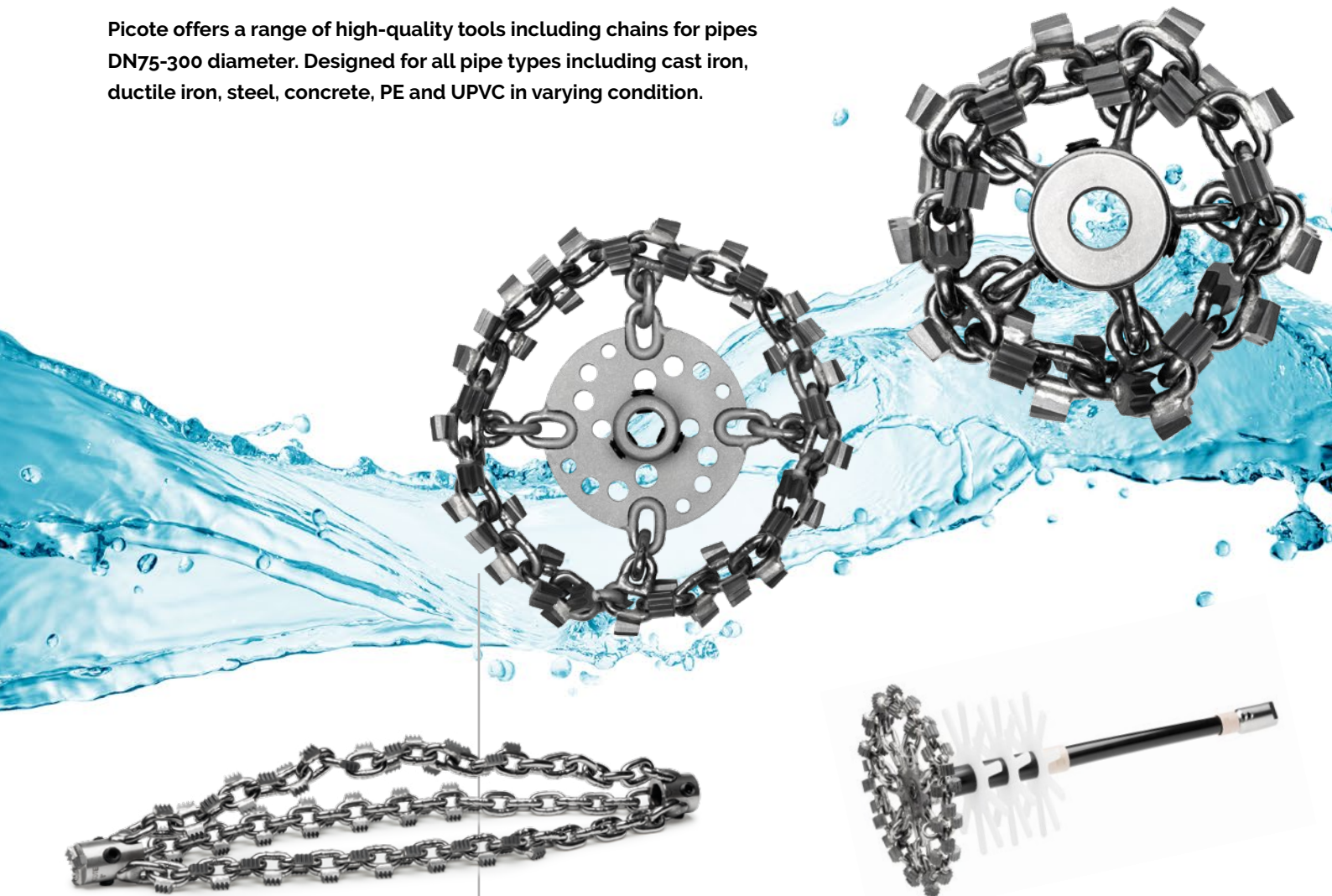
Suitable pipe types:

- Cast iron
- Ductile iron
- Steel
- Asbestos cement
- Concrete
- Plastic - PE & UPVC



Cleaning and Descaling Tools

Picote offers a range of high-quality tools including chains for pipes DN75-300 diameter. Designed for all pipe types including cast iron, ductile iron, steel, concrete, PE and UPVC in varying condition.



Grinding Chains

Designed to make fast work of pipe cleaning whether it is roots, scale & corrosion build-up, soft blockages, concrete and lead, failed gaskets, or pipe imperfections. Options include the Original, Drill, Cyclone, 3D, and Tornado Chains in multiple versions based on pipe diameter, material, and application.

Removal Tools

Whether it is metal, liner, concrete, or foreign objects that need to be removed, there is a solution available for even the toughest of challenges. Tooling includes the Twisters (Metal Grinder, Concrete Remover, Liner Remover), Grabbers, and Pipe Cutter.

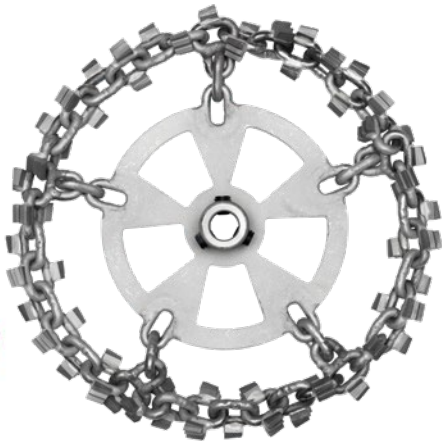
Robot Tools

Picote has a robotic tool range designed to be fitted to the high performance Schwalm Talpa Robot. Together with Schwalm's engineering team, Picote has created tools that can perform a variety of tasks such as grinding, cutting, and cleaning. Options include the Robo Smart Cutter™, Robo Cyclone, Robo Spider, and Robo Grabber. Range up to 200m.

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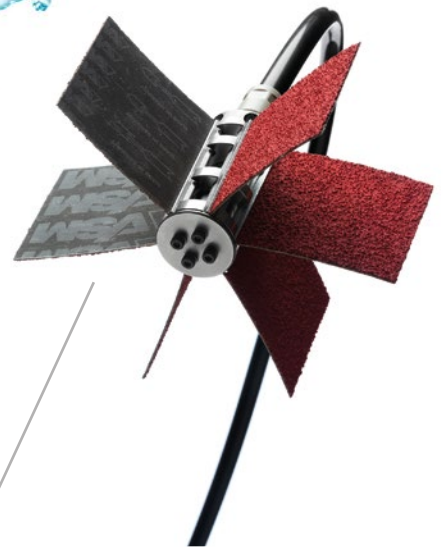
Smart Sweeper

A versatile tool for tough cleaning scenarios including corrosion, roots, calcite, & mineral scale in cast iron, ductile iron, steel, concrete, PE and UPVC pipes



Smart Spider

A great option for damaged or fragile pipes where there are corrosion holes or fractures within the pipe, allowing you to pass through to descale and prepare for rehabilitation



Smart Cutter™

An award-winning, multi-use tool that has changed the Trenchless Industry around the globe. Suitable for descaling and to remove any remaining materials from the inner walls of the pipe. Use after the initial cleaning for the smoothest finish. Perfect preparation for rehabilitation.

Innovation with Net Zero in Mind

Patented, award winning trenchless innovation from Picote is now available for the water industry. This helps contractors to save money and time as well as focus on reducing carbon footprint to meet Net Zero targets.

Save Time and Money

Significantly reduce disruption through proven trenchless rehabilitation techniques which eliminate costly excavation, save time, and help protect local wildlife and ecosystems.

- Significant time savings
- Huge water savings compared with jetting
- Reduce traffic disruption
- Lower carbon emissions
- Reduce residential or commercial disruption
- Safer for operators
- Better for environment & wildlife



Go Further! Clean Up to 200m With the Schwalm Robot

Combine Picote's innovative tools with the advanced Schwalm Robotic System to create a powerful and versatile solution to go further in distance (200m). Provide services to clean large, straight pipes over long distances. Gentle on brass connections in water mains.



References:

Queensferry Water Main UK (2021)

A DN75 cast iron water main was severely choked (up to 95% in places). It needed to be cleaned to prep for sliplining. The pipe bore was so badly restricted that the grit employed by an air flow vortex cleaning system could not pass through the pipe. Difficult access, built-up ground and multiple services crossing and running adjacent to the DN75 cast iron water main a section (60m) ran underneath the M56 Motorway. Successfully cleaned 180 metres of DN75 cast iron water main with Picote Super Midi.

Water Treatment Plant Indonesia (March 2018)

Cleaned pipe with Picote Mini Miller to prepare the surface for brush coating at a water treatment plant in Indonesia. Rehabilitated several cooling pipes for power plant turbines (4 turbines in total). Pipe sizes ranged from DN50-100. Work was executed one turbine at a time. Picote high-speed cleaning and brush coating proved to be much faster than other trenchless options allowing a better setup for working with bends in small pipes and a seamless solution for piping with a large number of junctions.

NASA Florida, USA (March 2019)

Rehabilitated a DN75 potable water supply line that had been installed in the 1960's on NASA campus. Due to the location of the pipe, excavation would have been extremely costly and difficult. The high-speed cleaning with Picote Maxi Miller for surface preparation and brush coating (Picote Dual Epoxy/NSF61-5 certified) with the Picote Maxi Coating Pump provided a fast and easy renovation while the facility maintained access to the road above.

Tried & Tested Techniques

A pioneering trenchless contractor in Finland since 2008, Picote today has 250+ patents related to pipeline renovation and tools. We offer innovative products and solutions to customers worldwide. Our R&D Team works closely with our expert Technical Services Teams to bring out tools that work in the real world. We offer unrivalled support through our Resellers, Training Centres, Technical Team and our online training courses, videos, and support materials from the Picote Institute.



Get the most out of your Picote with our Technical Trainers

Specialised hands-on technical training available at our Global Training Centres in England, Scotland, Finland and USA. Also available at customer locations worldwide. Practical and certification courses that cover everything you need to know about Picote products and solutions, whether you are just starting out or want to learn more. Contact our Technical Team for support when needed.



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