

MAXLINER®

MAXLINER *UK* PRODUCT CATALOGUE

YOUR GUIDE TO REHABILITATION PRODUCTS, CONSTRUCTION MATERIALS & EQUIPMENT

For additional product information and pricing, email sales@maxliner.co.uk

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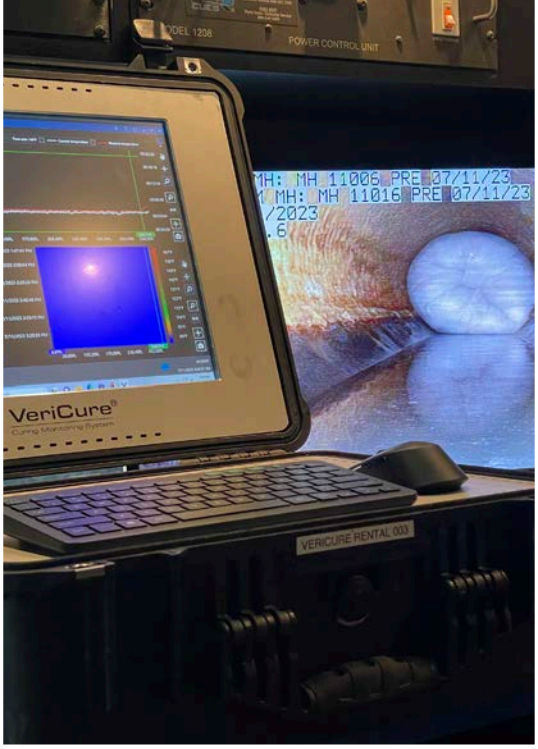
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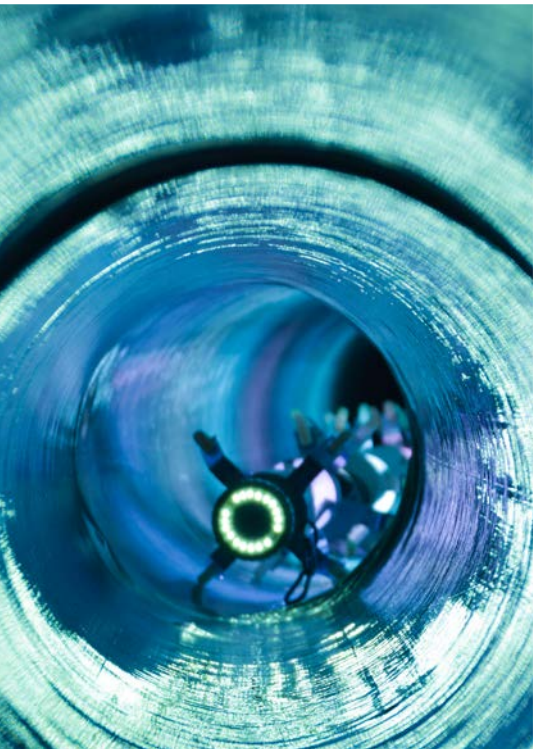








STORM & SEWER
SYSTEMS DN100+











FULLY STRUCTURAL

CORROSION-RESISTANT

Geopolymer Hybrid Cements Construction Materials

From large diameter structures such as failing sewer pipes above DN 900, storm culverts and tunnels to corroded concrete and brick manholes, **choose from our geopolymer and hybrid cements** to address these issues and much more.

For the fully structural, corrosion-resistant rehabilitation solution you are looking for, **our complete line** of geopolymer and hybrid cement mortars for patching and lining is the answer.

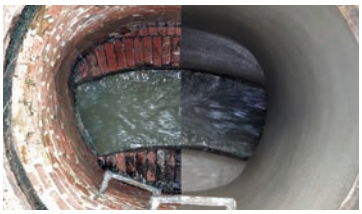
APPLICATIONS

- **Various structures, of all sizes and diameters, chambers and pipes**
- **Storm and foul sewers**
- **Manholes**
- **Non-round structures**

FEATURES & BENEFITS

- Complete Rehabilitation
- Restores Structural Integrity
- Prevents Corrosion
- Fills Voids
- Stops Leaks
- Quick Return-To-Service









GeoKrete®

GEOPOLYMER MORTAR - STRUCTURE COATING (CO_2 SAVING)

GeoKrete® is a fully structural, corrosion-resistant geopolymer mortar. It is comprised of aluminosilicate powder with an alkaline activator to form a monolithic mineral polymer with ceramic properties. It cures through a process of polycondensation and possesses proven, high early and long-term compressive strength.

IDEAL FOR:

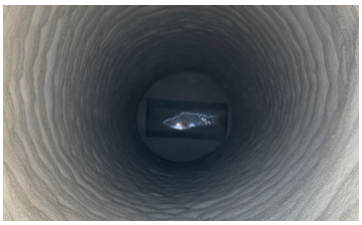
- **Raw, wastewater and infrastructure rehabilitation**
- **Shafts**
- **Tunnels**
- **Culverts**
- **Wet wells**
- **Coating, masonry, grout and repair mortar**

wrc approved

Deutsches Institut für Bautechnik DIBt

DIN19573 - XWW4 (BSK-BESTÄNDIG)





GeoKrete®-RS

RAPID-SETTING GEOPOLYMER MORTAR, HAND-SPRAYED OR SPIN-CAST STRUCTURAL COATING

GeoKrete®-RS is a fully structural, UV and corrosion-resistant Geopolymer mortar. Ideal for manual processing, but also for can be used mechanically.

IDEAL FOR:

- **Pipe, sewage and infrastructure rehabilitation**
- **Manholes**
- **Shafts**
- **Tunnels**
- **Culverts**
- **Wet wells**
- **CO_2 savings**





QM-1s Restore®

HIGH-STRENGTH CEMENT BASED MORTAR - STRUCTURE COATING

QM-1s Restore® is a Portland cement based, single component, high strength, fibre-reinforced, shrinkage-compensated cement mortar enhanced with a monocrystalline quartz aggregate. It was designed to structurally repair deteriorated metal, concrete and masonry structures. QM-1s Restore delivers a monolithic one pass vertical surface application up to 76.2mm in thickness by low-pressure spraying or centrifugal casting.

IDEAL FOR:

- **Vertical and overhead repairs to concrete or masonry**
- **Manhole**
- **Wet wells**
- **Metal pipes**
- **Water treatment plants**
- **Tunnels**
- **Locks and dams**
- **Coating, masonry and repair mortar**
- **DIN19573 - XWW3**





Hyperform®

HIGH-STRENGTH PATCHING MATERIAL

Hyperform® is a shaft mortar, masonry and repair mortar, one-component, rapid-setting, high early-strength patching material designed for repairing vertical and horizontal concrete and masonry structures. With invert lining, flow can be released within 25-30 minutes post mixing.

IDEAL FOR:

- **Filling large cavities in manhole walls**
- **Reconstruction of base vaults**
- **Concrete repair and patching**
- **Pipe repair - shaft head rehabilitation**
- **Construction of the berm and channel**



Quad-Plug®

HYDRAULIC CEMENT

Quad-Plug® is an accelerator and grouting mortar with a blend of special cements and admixtures which are designed to instantly stop running water or seepage in all types of concrete and masonry structures. Some benefits of Quad-Plug include: stops running water immediately, non-shrinking and expands as it sets.

IDEAL FOR:

- **Sewage pipes and sewer shafts**
- **Concrete tanks**
- **Lift shafts and pits**
- **Cisterns**
- **Cellar**
- **Concrete and masonry walls**
- **Against infiltration**
- **Accelerators and grouting mortar**







Quad-Flow

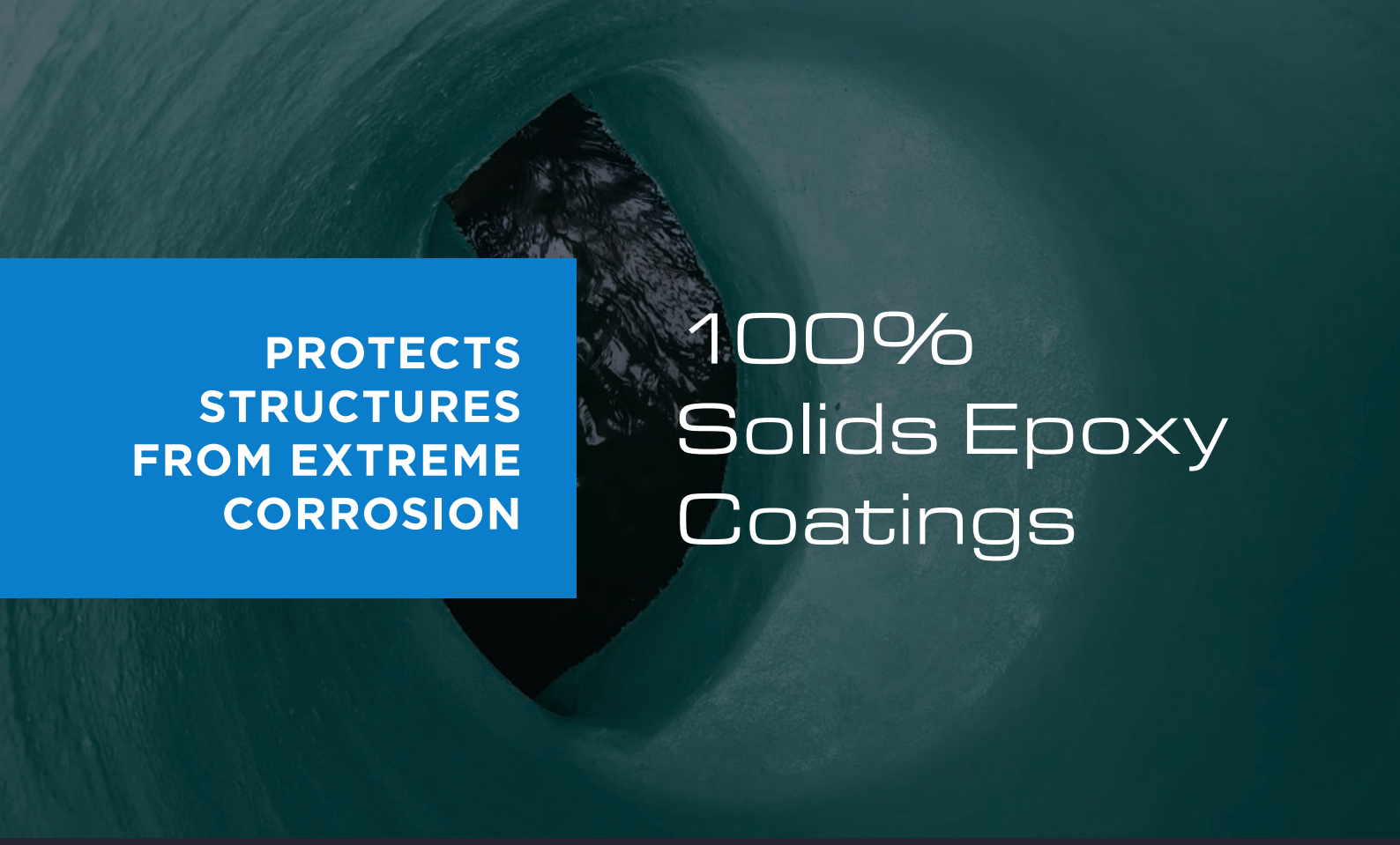
HIGH-STRENGTH INVERT REHABILITATION MORTAR

Quadex® Quad-Flow is a highstrength, quick setting invert rehabilitation mortar. It was developed to work in unison with Quadex construction materials to form an abrasion-resistant repair while increasing the structural integrity of damaged pipe and culvert inverts. The quick-setting characteristics of Quad-Flow minimises downtime and allows crews to continue working just a few hours after its application.

IDEAL FOR:

- **Restoration of rainwater and sewer inlets**
- **As a standalone repair method**
- **As part of a repair prior to the application of a Quadex mortar or polymer lining**
- **Grouting mortar**
- **Self-levelling**





PROTECTS STRUCTURES FROM EXTREME CORROSION

100% Solids Epoxy Coatings

The Quadex® family of 100% solids epoxies are developed and produced in-house to ensure the epoxy coating you choose not only **performs well, but applies quickly, easily and consistently**.

Check out the entire line to address your infrastructure located in extreme corrosion environments or where exceptional elongation and adhesion properties are demanded.

APPLICATIONS

- **Manholes**
- **Wet wells**
- **Industrial areas**
- **Wastewater facilities**
- **Water treatment facilities**

FEATURES & BENEFITS

- High Build, Single Coat Application
- Exceptional Corrosion Resistance
- Extreme Abrasion Resistance
- Quick Return-To-Service









Structure Guard®

HIGH BUILD, CORROSION RESISTANT EPOXY COATING

Structure Guard® is a 100% solids, high-build epoxy coating formulated to provide long-term corrosion protection and structural enhancement for manholes, pump stations, treatment plants or any wastewater infrastructure subject to high levels of corrosion and/or abrasion to include both municipal and industrial applications. Structure Guard sets fast for a quick return-to-service in the most aggressive and turbulent environments. It finishes smooth to enhance flow and is utilised as an interior or exterior pipe lining. Structure Guard can be hand-, spray- or spin-applied with approved plural component spray equipment.

IDEAL FOR:

- **Sewage pipes and sewer shafts**
- **Pumping stations**
- **Vaults and tanks made of concrete or masonry**
- **Inlet structures and diversion structures of:**
  - **— Treatment plants**
  - **— Steel pipes and tanks**
  - **— Separators (grease & oil)**
  - **— Chemical stresses**
  - **— UV-resistant**







Flex Guard®

FLEXIBLE HYBRID EPOXY COATING

Flex Guard® is a 100% solids flexible urethane/epoxy hybrid. The extreme flexibility of Flex Guard makes it the best solution for the most extreme conditions. With 100-150% elongation, it is effective where other coatings fail. Flex Guard exhibits excellent adhesion to steel and concrete; providing superior protection for tanks that typically experience freeze/thaw and temperature fluctuation. Flex Guard is designed for spray or trowel applications and is engineered and formulated for concrete, brick and steel structures. Benefits of Flex Guard include: no VOCs, quick drying, can be applied in areas of high humidity, and is unaffected by freeze/thaw. Flex Guard has excellent corrosion and abrasion resistance. Key Physical Properties include: Re-coat Window — 24 hours, Full Chemical Cure — 7 days.

IDEAL FOR:

- **Concrete and steel tanks**
- **Foundations**
- **Fissures**
- **Elongation**
- **Control joints**
- **Production**
- **Shafts**
- **End seals**
- **Liner repair**
- **Shaft heads**

ELIMINATE LEAKS DUE TO EXPANSION FROM FREEZE/THAW

Flexible Mastics & Hybrid Epoxies

Cracks due to expansion and contraction caused by traffic loading and freeze/thaw conditions, **lead to leaks** that result in inflow and infiltration and increased maintenance costs. The Quadex® line of flexible **leak stop materials** lead the industry in elongation and bonding performance. Ask for more details on our complete line.

APPLICATIONS

- **Cracks caused by expansion and contraction**
- **Manhole shafts**
- **Inverts**
- **Pipe ends**

FEATURES & BENEFITS

- Superior Elongation
- Excellent Adhesion & Bonding
- Easy to Apply
- Quick Setting



Structure Guard®-RS

RAPID SETTING EPOXY (CHEMICAL LOADS)

Structure Guard®-RS is a 100% solids, thick film epoxy coating that provides long-term corrosion protection and structural enhancement for sewer manholes, pump stations, wastewater treatment plants or any other wastewater infrastructure subject to high levels of corrosion and/or abrasion. Structure Guard-RS cures quickly and allows for rapid return to service in the most aggressive and harsh environments. The surface is smooth to improve flow and is used as an inner or outer pipe liner. It is also ideal for sole repairs.

Structure Guard®-FM

MICRO FIBRE-REINFORCED MASTIC

Structure Guard®-FM is a 100% solids epoxy mastic used to protect new infrastructure and rehabilitate existing, damaged infrastructure. Structure Guard-FM is best applied using a trowel or with the Quadex OneGun®. Typical applications for Structure Guard-FM include: manholes, wet wells, vaults, septic tanks, steel substrates, floor and wall penetrations/cracks and simple spot repair. Structure Guard-FM is known for its bonding to nearly all substrates. It also requires no mixing, is fast curing and has up to 6.4mm build capability with no sag.

Flex Guard®-FM

FLEXIBLE EPOXY MASTIC

Flex Guard®-FM flexible fibre-reinforced epoxy mastic is designed to be applied to metal and concrete substrates that experience movement. With a 100-150% elongation, it is ideal for freeze/thaw and structures that experience temperature fluctuation. For best results, apply with a putty knife or trowel, depending on the voids to be filled or covered. Flex Guard-FM is recommended for concrete and steel tanks, foundations, cracks, control joints, manufacturing plants and manhole chimneys.

Chimney Guard™

FLEXIBLE AND DURABLE CHIMNEY SEAL

Chimney Guard™ is a durable one-pass monolithic manhole head seal made from a 100% solids epoxy/urethane hybrid. It is designed to provide a highly flexible and securely adhering seal designed to withstand heavy traffic loading, extreme freeze/thaw and infiltration. It can be sprayed or manually applied. Prior to application, the base surface must be roughened to ensure proper adhesion and performance of Chimney Guard.



STOP LEAKS, FILL CRACKS AND VOIDS, STABILISE SOIL

High-Performance Grouts

The family of Maverick polyurethane foam grouts address a broad range of infrastructure problems including inflow and infiltration, soil stabilisation and the filling of major voids.

APPLICATIONS

- **Anywhere there is inflow and infiltration**
- **Major cracks and voids**
- **Soil stabilisation**
- **Curtain grouting**
- **Lifting and levelling**
- **Stops Leaks, Fills Voids, Levels Concrete and Stabilises Soil**

DIFFERENT GROUTS, DIFFERENT CONDITIONS

- Fast Curing Foam Grouts For High Flow Leakage
- Single Component Foam Grouts For Leak Stoppage & Crack Sealing
- Migration Foam Grouts For Stabilisation & Leak Stoppage
- Structural Two-Part Grouts





Maverick I & I

RAPID-SETTING GROUTS FOR HEAVY INFILTRATION & LEAK STOPPAGE

Maverick I & I hydrophilic and hydrophobic polyurethane foams are designed to stop active infiltration and exfiltration at the source. These single and dual-component systems deliver controlled expansion, fast reaction, and strong adhesion in wet environments.

IDEAL FOR:
Sealing joints, cracks, penetrations, and soil-to-structure interfaces in critical infrastructure



Maverick Stabilisation

STRUCTURAL FOAMS & GROUTS TO BOOST STRENGTH & LOAD-BEARING CAPACITY

Maverick Stabilisation grouts improve soil strength and load-bearing capacity through controlled expansion and soil bonding. Available in single and dual-component formulations to perform in dry or saturated conditions.

IDEAL FOR:
Stabilising subgrades, foundations, embankments, and mining ground without excavation



Maverick Void Fill

EXPANDING MIGRATION & STRUCTURAL FOAMS FOR BROAD RANGE OF INFRASTRUCTURE

Maverick void fill grouts are engineered to efficiently fill unknown or inaccessible voids caused by erosion or loss of support. High-expansion polyurethane formulations displace water and consolidate surrounding soils.

IDEAL FOR:
Sinkholes, annular spaces, utility voids, and subsurface mining applications



ADVANCED EQUIPMENT FOR QUALITY APPLICATION

Turnkey Rehabilitation Equipment

Check out our complete line of **advanced application systems** developed for use with geopolymer, hybrid cement and polymeric materials for infrastructure rehabilitation. From pipes, manholes, wet wells and tanks, to many other critical structures... **look no further for an equipment solution.**

APPLICATIONS

- **Manhole rehab**
- **Pipe and structure rehab**

NOTE: Various pumps/mixers are available. Please contact us to confirm our recommended manufacturers. Please enquire about our extensive rental equipment.

MORTAR & POLYMERIC EQUIPMENT SOLUTIONS

- Mortar Trailers
- Precision Spinner Systems
- Portable Spray Systems
- Injection Grouting Equipment

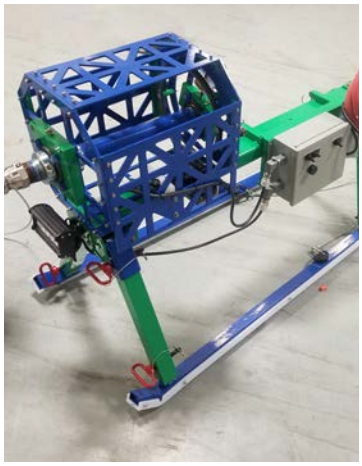




MixPro 50

The MixPro 50 Mixer Spray Pump is a three-phase (400 V) continuous mixing pump, ideal for spraying our pre-bagged GeoKrete® geopolymer and hybrid mortars. Ideal for use with a 400 V site supply or a 20 kVA Generator, this mixing pump is a high-quality, high-performance machine, built to last. It is equipped with 4 steerable wheels for better portability.

IDEAL FOR
- **GeoKrete®-RS and Hybrid Mortars**



Quadex® Gyro Sled™

The Gyro Sled™, an integral component of Quadex Lining System®, was developed by Vortex. It is a proprietary spray system refined over the past decade to deliver the most durable, precise spin-cast application of GeoKrete® geopolymer available. Engineered around its rugged sled body and high-performance rotary spray nozzle, the Gyro Sled drives the nozzle through a controlled cone-shaped rotation while GeoKrete is pumped directly through the nozzle's centre. Spun at high rpm, the material is centrifugally cast into a uniform lining that bonds to the inner pipe wall for long-lasting protection. Pulled smoothly through the pipeline by the Quadex Retrieval Device at a constant speed, the Gyro Sled coats the full pipe length with a precisely controlled, consistent thickness—delivering repeatable, specification-grade results on every run. Can also be used in egg-shaped profiles.

Exclusively designed to work with Vortex-approved mortar pump systems.



spinMASTER™

CENTRIFUGAL-CAST MANHOLE LINER SYSTEM — FOR MORTARS

The spinMASTER™ is a centrifugal-cast manhole liner system that speeds up the application process and produces a consistently even coat. The spinMASTER power winch features "continuous on-time" design which eliminates normal motor breakdown (overheating). The winch can be assembled for either hand control or foot pedal operation to navigate the precision spray head up and down the vertical structure. Suitable for round and rectangular structures.

IDEAL FOR
- **GeoKrete® and GeoKrete®-RS**



E-Mix XT

ELECTRIC VARIABLE SPRAYER FOR EPOXY COATINGS

The E-Mix XT, from Graco, is the easiest to operate variable ratio sprayer on the market. Dependable and durable, the E-Mix XT has been developed to work with all Quadex epoxy systems. Designed to handle spray ratios from 1:1 up to 6:1, it is an ideal sprayer for practically every job.

IDEAL FOR
- **Structure Guard®**
- **Structure Guard®-Water**
- **Structure Guard®-RS**
- **Structure Guard®-QS**
- **Chimney Guard™**
- **Flex Guard**



Quadex OneGun®

DUAL COMPONENT MATERIAL CARTRIDGE DISPENSER

This extremely powerful and ultra-portable, battery-operated cartridge gun is the perfect solution for applying the Quadex line of specialty epoxies, grouts and mastics. OneGun® is systematically designed to deploy the Quadex line of cartridged repair materials, whether in “1 to 1” or “2 to 1” ratios. OneGun’s 20-volt lithium-ion battery will deliver up to three hours of continuous power in the most extreme conditions. Benefits of using OneGun with Quadex patching and sealing products include:

- **One delivery method, multiple repair materials**
- **Battery operation eliminates cords and hoses from the work area**
- **Resealable cartridges eliminate material waste**
- **Durable design to withstand the toughest environments**



Quadex OneGun®

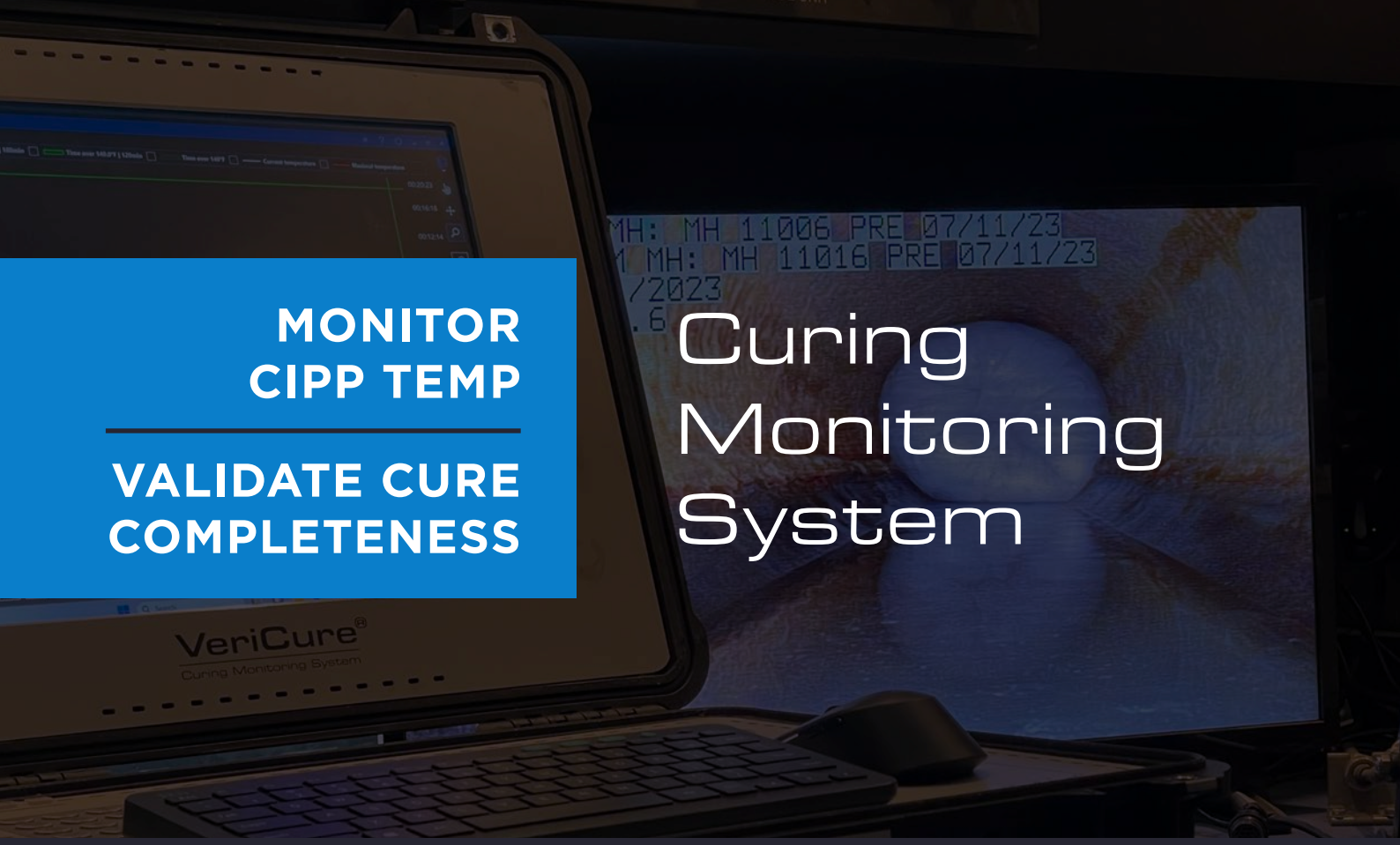


Quadex OneGun® Mini



Manual Cartridge Gun





MONITOR CIPP TEMP

VALIDATE CURE COMPLETENESS

Curing Monitoring System

VeriCure® is a **breakthrough technology** developed to improve the CIPP curing process. Its ability to constantly monitor the temperature during the liner installation helps **ensure a 360° cure** throughout the length of the host pipe.

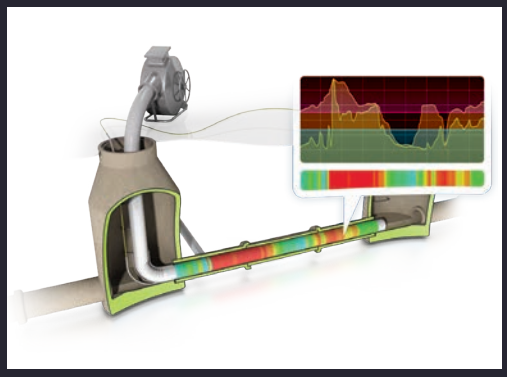
Regardless of existing flow, VeriCure **provides highly accurate and localised temperature data**; helping ensure every inch of liner is properly cured.

APPLICATIONS

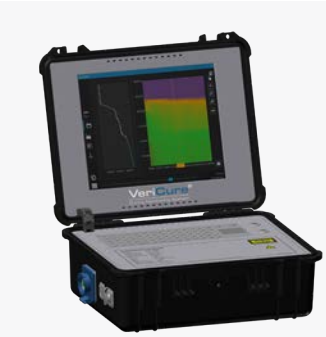
- **CIPP curing monitoring**
- **Approved for both heat and UV cured liners**

THE VERICURE® ADVANTAGE

- Optical fibre monitors temperature along entire length of CIPP liner
- VeriCure software verifies the cure and installation
- Achieve full cure in less time
- Reduce labour, equipment and fuel cost
- Comprehensive real-time and historical data



wrc approved



Portable VeriCure® Control Box

Designed for durability and portability, the VeriCure Control System is housed in an industrial-strength, protective pelican case for use in the field and on the job. Each system contains the following:

- **DTS measuring instrument**
- **VeriCure software package**
- **Fibre optic sensor cable connector**
- **LAN socket**
- **Energy supply socket**



VeriCure® FlatTemp

VeriCure FlatTemp optical fibre cable features a rectangular profile and contains GFK elements and aramid fibres. FlatTemp is perfect for segments or pipe runs of 300m or more.

- **Available in 1900m spools**



VeriCure® RoundTemp

VeriCure RoundTemp cable is an armoured, ultra-bendable optical fibre and exhibits exceptional crush resistance and bending radius (macrobending) performance, making it well-suited for pipelines with multiple bends.

- **Available in spools: 100m, 150m, 180m, 210m, 240m**



VeriCure® Cleaning Kit

The VeriCure cleaning kit includes two cleaning pens that connect to cable ends to electrostatically remove dust from fibre and connectors, electric spray to clear blue and green adapters, located on the box, of dust and dirt, as well as alcohol wipes to clean and dry fibre adapters to improve connection.



VeriCure® Default Locator

The VeriCure Default Locator includes a pin that has a 600-nanometer laser which precisely determines if there is a fibre break, faulty splice, or faulty connection.



RUGGED AND DURABLE

POWERFUL AND EFFICIENT

Sewer Rehab Robots

The incredibly powerful Schwalm Talpa series **delivers fast and efficient grinding and cutting solutions**. Simply add one of many cutting heads and experience the power for yourself.

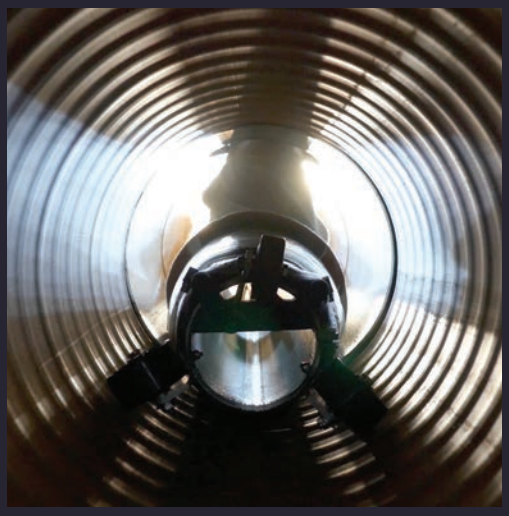
Schwalm is compatible with standard point repair systems to install pipe patches and inner pipe sealing systems.

APPLICATIONS

- **Pipe cleaning**
- **Debris removal**
- **Lateral reinstatement**
- **Pipe inspection**

SCHWALM TALPA SERIES ADVANTAGES

- Air-driven
- Rugged and durable
- Interchangeable attachments
- High-resolution camera
- Integrates with most CCTV systems







Schwalm Talpa FSR 1330

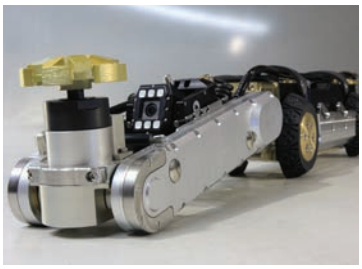
FOR PIPE SIZES RANGING FROM DN150 (LINED) TO DN300

- **Length (without connector): 765mm**
- **Width: 110mm**
- **Weight: ranges from 30-45 kg**

ROBOT FEATURES

- **Multifunction tooling mount - allows the robot to cut, clean, reinstate, seal, grind, etc. using a broad range of attachments**
- **Pressurised interior space - to protect robot from water penetration**
- **Strain relief/reverse driving control optimises control of your robot and minimises damage to cables**
- **Modular robots: share same digital box, camera, and other accessories**
- **Wheels: Non-slip, Solid Rubber or Carbide Surface wheels (for traction)**
- **Axle extenders to upsize robot's working diameter range**





Schwalm Talpa FSR 2060

FOR PIPE SIZES RANGING FROM DN200 TO DN600

- **Length (without connector): 900mm**
- **Width: 150mm**
- **Weight: ranges from 45-100 kg**

ROBOT FEATURES

- **Multifunction tooling mount - allows the robot to cut, clean, reinstate, seal, grind, chisel, etc. using a broad range of attachments**
- **Pressurised interior space - to protect robot from water penetration**
- **Strain relief/reverse driving control optimizes control of your robot and minimises damage to cables**
- **Modular robots: share same digital box, camera, air motor, and other accessories**
- **Wheels: Non-slip, Solid Rubber (standard or jumbo wheels) or Carbide Surface wheels (for traction)**
- **Axle extenders to upsize robot's working diameter range**

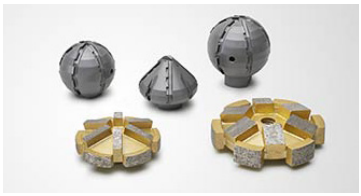




Oval / Egg-Shaped Pipe Accessories for Talpa FSR 2060

By using our accessories for oval pipes, the Talpa FSR 2060 can also be used in conically shaped pipes. The extension consists of a separate carriage that is used in the narrower base of the oval pipe; the position of the robot can be raised and guides stop the robot from tipping over in the wider area.

- **Oval Pipe Guide for Talpa FSR 2060**
- **Oval Pipe Robot carriage for Talpa FSR 2060**





Robot Attachments

Schwalm robots are designed to accept a wide variety of attachments to make your cutting and cleaning jobs fast and efficient.

- **Mushroom Head Milling Cutter**
- **Tungsten Carbide Ball Cutter**
- **Polycrystalline Diamond (PCD) Ball Milling Cutter**
- **Chisel for Talpa 2060**
- **Air Grinder: Use your Schwalm with our Pneumatic Disc Grinder, rotating at 12,000 rpm, for removing excess material or cutting metallic objects into pieces.**



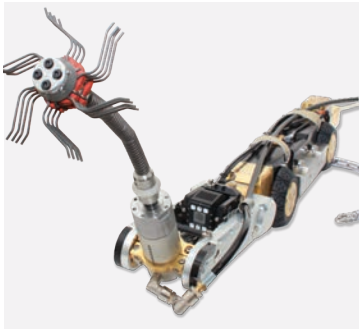
AccuPower® High-Pressure Water Jet Device for Models 1330 and 2060

The Vortex Accupower High-Pressure Water Jetter delivers up to 2,700 bar DN200 - DN1200 of ultra-high-power, water jetting performance for the most demanding pipe cleaning and cutting projects. Powered by Schwalm, the AccuPower will clean, clear, and cut through obstructions with ease in pipes ranging from DN200 - DN1200 in diameter. The conversion kit comes with everything you need and can be done on the job site.



Picote Robo Tools

Picote Robo Tools are exclusively available for Schwalm Robots. A specially designed air motor can be mounted on an existing Schwalm Talpa FSR 2060 Robot to operate the new tools. The air motor runs at max 1,500 rpm. Combine Picote's exclusive Robo Tools with the advanced Schwalm Robotic System to create a powerful and versatile solution for your job site.



ROBO SMART CUTTER™

Take advantage of the fine-tuning power of the Robo Smart Cutter. Use the cutting ball and then follow up with this incredible attachment. Grind away seams, welding beads and other inconsistencies in the pipe quickly and easily. Steering option included. Available sizes: DN150 - DN300.

ROBO CYCLONE™

Descale pipe like never before with the Picote Premium Cyclone Chain. Mount the Robo Cyclone on a robot for efficient cleaning and grinding. Available sizes: DN150 - DN300.

ROBO GRABBER™

Turn your robot into a retrieval device by adding the Robo Grabber. Remove items from hard-to-reach places. Reclaim a tool or item, weighing up to 35 kg. Available sizes: Regular Grabber for DN100 or larger pipes.



ROBO SMART SPIDER™

Descale fragile pipes with ease with your multi-use robot. Gentle on brass connections in water mains. Available sizes: DN150 and DN200.





Digital Controls

The Schwalm digital controls are built into a 19" housing and securely installed in a vehicle as a stationary control station. Here, the video information is merged and the operator controls all the robot interactions in the sewer. In addition, it controls the winding speed of the automatic hose-in-hose drum and the automatic cable drum.

Thanks to its compact design, the digital control module can be retrofitted into existing systems. The digital control module has several standardised video outputs which can be used to issue the video signal to external devices. In addition to the tried and tested joystick console controls, the latest version of digital controls can also be connected to an original PlayStation DUALSHOCK®4 wireless controller.

The operator can choose between the standard controls using a joystick or using an analogue stick on a controller, just like on your game console at home.





Cable Drum

The automatic cable drum from Schwalm features motorised, self-levelling, winding that automatically adjusts while winding and sorting the cable. A digital meter counter makes it much easier to use in everyday work. The cable winding automatically adapts to the robot's driving speed, but can also be set manually.

With a robust aluminium housing, it has space for cable lengths of 200m.

CABLE DRUM ACD 200

- **Cable output: Self-leveling winding**
- **Cable length: 200m**
- **Power supply: 110V, 230V**
- **Winding: automatic or manual**
- **Tensile force: manually controlled**
- **Speed: automatic or manual**
- **Counter: accurate to the centimetre**
- **Digital display**



Duo Hose-in-Hose Drum

Like the automatic cable drum, the automatic hose-in-hose supply line drum from Schwalm has motorised self-leveling winding that automatically winds and sorts the hose-in-hose supply line. The cable winding automatically adapts to the robot's driving speed.

With its robust aluminium housing, it has space for a hose-in-hose supply line with a length of 100m. The traction of the motorized self-leveling winding can also be continuously adjusted.

ADHD 100 HOSE-IN-HOSE SUPPLY LINE DRUM

- **Hose output: Self-levelling winding**



Maximum possible hose-in-hose supply line length: 100 m

- **Power supply: 110V, 230V**
- **Winding: automatic**
- **Tensile force: manually controlled**
- **Speed: automatic or manual**
- **Contains the item hose-in-hose supply line**

50M EXTENSION

Both ends of the hose-in-hose supply line are equipped with a special adapter, which accepts and releases the two lines, the Y-connector. Various extensions for the hose-in-hose supply line are available on request, which can be easily connected to the existing Y-connector. Extensions available in 50m.



Manual Hose-in-Hose Supply Drum

The hose-in-hose supply line can also be supplied with a manual hose reel. This offers space for a 100m hose-in-hose supply line and can be ordered as a stationary version for installation within the vehicles or as a mobile version with wheels.

- **Hose-in-hose supply line length: 100m**
- **Winding: manual**
- **Contains the hose-in-hose supply line**



Crane and Drum Frame

Schwalm's compact, functional crane and drum frame module is easy to install in a vehicle, either in existing setups (space permitting) or as a new custom vehicle installation. The frame is secured to the vehicle floor with six bolts and can operate on 110V or 230V.

Made from durable aluminum structural tubes, it houses a 200m cable drum, a 100m hose-in-hose line, and features a swivelling, telescopic boom with a 200-kilo chain crane. The boom and crane are operated via a wired remote, allowing precise placement of robots and equipment into shafts. The drums are controlled from an integrated panel.

For storage, a full-extension, extra-wide drawer at the vehicle opening holds the robots, and three additional drawers along the gangway store tools and accessories.



Portable Schwalm System

For flexible use of a Schwalm system in the field or in confined spaces.

- **Operating weight max. 500 kg**
- **Dimensions: 120 × 100 × 145 cm**

Equipped with integrated 51 L water tank and pump for camera flushing. Operates in conjunction with a mobile compressor and an external 230V/50Hz power supply (generator or power pack).

Consists of a Schwalm ACD 200m cable reel (rotatable 0–90°) and a manual hose-in-hose supply reel (100m).

Customised configuration with Schwalm Talpa FSR 1330 and/or Talpa FSR 2060 robots possible, housed in the heavy-duty pull-out drawer provided for this purpose.



SEWER MAINS

SEWER LATERALS

Sectional & Point Repair Solutions

Target the leak without replacing or relining the whole pipe. Our broad range of localised repair solutions tackles infiltration and exfiltration at isolated defects — from cracks and voids to leaking pipe ends and the junction where a lateral connects to the main sewer. From packers and top hats to resins, laminate materials and mechanical seals, **we provide solutions for sectional repairs, lateral connections and end seals.** Where the surrounding pipe remains in good condition, these **targeted repairs can avoid excavation and replacement,** or the need for complete relining.

APPLICATIONS

- **Laterals**
- **Sewer Mains & Drain Lines**

COMMON APPLICATIONS

- Leaking laterals
- Longitudinal cracks
- Radial cracks
- Leaking pipe connections
- Missing wall sections
- Sealing pipe ends









Schwalm HutlinerPacker®

The patented HutlinerPacker® is produced manually in the Schwalm manufacturing process. These are inflatable hollow bodies made from rubber and metal with a mountable protrusion on the side, the rubber hat.

These special devices developed by Schwalm serve to press short liners, which have been saturated in synthetic resin, onto sockets and tear formations in the main pipe and hat seals into lateral connections. The rubber hats, available in various sizes, are connected to the HutlinerPacker via a universal threaded mount. A HutlinerPacker with a flexible packer body can even be used in curved shafts, depending on the site conditions.

There are different sizes of HutlinerPacker available for main pipe diameters from DN100 to DN800. From a diameter of 200mm, the HutlinerPackers have a sufficiently great through-flow capacity to mean that no more pumping of wastewater is required. Fitting the main pipe formats, there are different sizes of hat attachments for connections from DN90 to DN250.



Rubber Hats

Highly elastic rubber hats which can be used to place the synthetic resin-saturated felt caps into the lateral connections.

The universal threaded mount allows quick connection and disconnection of the rubber hats. Highly elastic rubber belts position the hat brims closely around the packer body.

A total of eight different rubber hats are available for the different connection pipe diameters. Six of these can be combined freely, two rubber hat sizes (4 and 5) are dedicated.

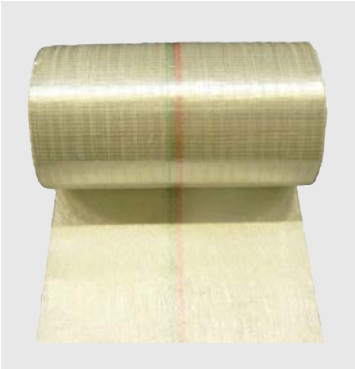


Felt Hats

Pre-assembled felt hats made from environmentally friendly polyester needle felt for renovating sewer lateral connections. Available in the diameters DN100, DN125, DN150, DN200 and DN250. The felt hats are available in two designs: with inclined branch angles (45°) or with straight branch angles (90°).

MATERIAL PROPERTIES

- **Composition 100 % polyester**
- **Material thickness: 5.0mm, ± 1**
- **Area density: 500 g/m² (DIN 12127)**
- **Shelf life: Storage at normal air humidity (50% - 70%)**



Glass Fibre Laminate

We provide you with the original Advantex glass fibre laminate. The laminate can already be cut into proper roll lengths to ensure a fit with the various pipe and sewer dimensions. It goes without saying that our glass fibre laminate is DIBt approved with respect to all the resins available from us.

WIDTH	1,086 GR. / M²	1,387 GR. / M²
0,35m	✔	✔
0,44m	✔	✔
0,53m	✔	✔
0,65m	✔	✔
1,30m	✔	✔







Max Point Repair

An all-in-one no-dig solution for point repairs. Developed by industry-leading experts and perfected in the field to provide long-term, leak-free repair — regardless of pipe age or material. Available in three ambient curing resins to meet your needs.

IDEAL FOR:

- **Longitudinal cracks**
- **Radial cracks**
- **Root and water infiltration**
- **Corrosion**
- **Offset joints**
- **Broken / missing pipe**

DETAILS

- **Engineered for the season or project condition. Available in three ambient, Quad-Cure® curing resins to meet your needs: Summer (slow), Winter (medium), and Turbo (fast)**
- **For pipes from 3”–72” in diameter**
- **Repair material sold in 24” and 48” lengths. Longer sizes available upon request.**
- **Bulk material orders available upon request**
- **Custom sizes available upon request**

BULK POINT REPAIR MATERIAL ORDERS

For high-volume repair programmes, Max Point Repair bulk materials give installers the freedom to prepare each repair to suit the job at hand. Choose from fibreglass matting in multiple widths and silicate resins in a range of container sizes, making it easy to accommodate different pipe diameters, repair lengths and project requirements.

Ideal for contractors carrying out multiple or ongoing point repairs, our bulk format helps reduce packaging, improve material utilisation and lower the cost per repair. You get the same dependable materials used in Max Point Repair kits, with greater flexibility for larger-scale installation programmes.





Max Point Repair - UV System

Address I & I, exfiltration, roots, and off-joint connections without the hassle and expense of a complete reline. Max Point Repair UV uses clean ultraviolet light cure technology for reliable mainline point repair. Its no-shrink design anchors itself within the pipe and averages just 0.13" thick after curing. Max Point Repair UV features highly chemically resistant, styrene-free UV resin with an extremely high glass transition temperature of 266°F | 130°C.

DETAILS

- **Powerful UV-LED-Packer in two lengths**
- **Seamless rehabilitation with minimal reduction in flow capacity**
- **Restores pipe sections with permanent bonding**
- **Patches are available in 50 cm | 20" or 100 cm | 40" lengths, for the dimensions DN150 | 6", DN200 | 8", DN250 | 10" and DN300 | 12"**



Point Repair Packers & Accessories

Packers are durable, inflatable carriers designed to position and hold repair materials securely against the inside of a pipe while the repair cures.

Standard/Straight Repair Packers are used for point repairs in straight pipe sections. Available in multiple diameters and lengths, select models include a bypass to maintain flow during installation.

Flex/Elbow Packers are flexible carriers designed to navigate bends, elbows, and other curved pipe sections where a standard straight packer may not fit properly.

Pillow Packers are heavy-duty inflatable packers designed for larger-diameter pipes. Their pillow-style construction expands to support and press repair materials firmly against the pipe wall.

STD / START REPAIR PACKERS

- **3-4×24 PR Carrier**
- **3-4×48 PR Carrier**
- **4-6×24 PR Carrier**
- **4-6×48 PR Carrier**
- **6-10×24 PR Carrier with Bypass**
- **6-10×48 PR Carrier with Bypass**
- **8-12×24 PR Carrier**
- **8-12×24 PR Carrier with Bypass**
- **8-12×48 PR Carrier**
- **8-12×48 PR Carrier with Bypass**
- **12-15×24 PR Carrier with Bypass**
- **12-15×48 PR Carrier with Bypass**
- **18-24×24 PR Carrier with Bypass**
- **18-24×48 PR Carrier with Bypass**

FLEX/ELBOW PACKERS

- **4" FLEX Point Repair Carrier**
- **6" FLEX Point Repair Carrier**
- **8" FLEX Point Repair Carrier**

PILLOW PACKERS

- **15-24×48 Point Repair Pillow**
- **30-36×48 Point Repair Pillow**
- **42-48×48 Point Repair Pillow**

EQUIPMENT/ACCESSORIES

- **Pressure Cont./Air Regulator**
- **14" Bridle Two Leg**
- **30" Bridle Two Leg**
- **Push Air Rod**
- **250' Retrieval Cable**
- **500' Retrieval Cable**
- **Flexible Coupling**



HIGH PERFORMANCE

ADVANCED TECHNOLOGY

UV Curing Systems & Equipment

MaxLiner is proud to offer Vortex's proven, **robust range of UV curing equipment** for CIPP lining in sewer pipes and laterals. The range includes the SAVA family of curing technology, alongside light chains and packer sets, to support faster, more efficient curing. With both full-size and portable systems available, we can help you **select the right solution for the demands** and access constraints of each job.

ENVIRONMENTAL BENEFITS

- Less excavation and waste
- Reduced water demand
- Potentially lower energy use and emissions
- Smaller construction footprint disruption
- Installation benefits
- Fast, controlled curing
- Options for restricted access
- Simplified site preparation
- Monitored installation







SAVA Curing System (12 kW)

PLC CONTROL AND SUFFICIENT POWER FOR UV CURING UP TO DN1600

The Vortex UV curing system cable drum with PLC control features a high-strength aluminium frame. All equipment can be operated via the PLC with a brightly illuminated Siemens SIMATIC touch screen located at the front of the unit. The cable drum is electrically driven, has a cross-guide spindle and built with 305m of heat-resistant UV curing cable.

DETAILS

- **Dimensions: (L x W x H) 2000 x 1065 x 1455mm | 79 x 42 x 57"**
- **Weight: approximately 920 kg | 2030 lbs**
- **Control: Siemens Simatic with remote access (service)**
- **Chassis: strong aluminium frame**
- **Fanless PC with documentation/control software**
- **3 monitors for installation at the operator workplace**
  1 x for PC / 2 x for live video (front and back camera)
- **Diameter Range: DN150 - DN1600 | 6" - 63"**

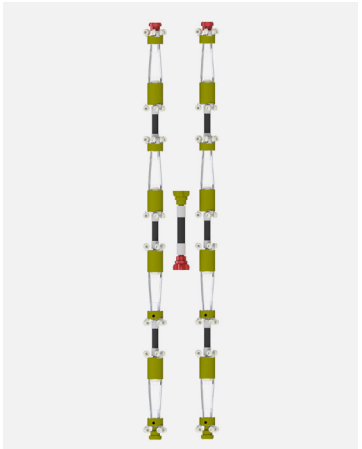


SAVA Lumen**iq**

SAVA Lumen**iq** is a sleek, portable UV curing system engineered for mainline rehabilitation in limited-access locations. Designed with intelligent light technology and Vortex IQ on the inside, SAVA Lumen**iq** delivers a smart, reliable solution for restricted-access UV CIPP installation challenges. Each system includes:

DETAILS

- **Power: 3.2 kW – 5.2 kW**
- **Cable Length: 200m | 656 ft**
- **Diameter Range: DN150 - DN600 | 6-24"**
- **Size (L x W x H): 1500 x 700 x 1100mm | 59" x 28" x 66"**
- **Weight: 522 kg | 1,150 lbs**



Vortex UV Light Chain Mini

DN150 - DN200 | 6"-8"

The Vortex UV Light Chain MINI was specifically developed for use in small diameters (DN150 | 6") where pipe offsets and deformations are present. These can cause the Light Chain to become stuck during curing when using a regular Light Chain. This would require expensive excavation and opening of the liner.

DETAILS

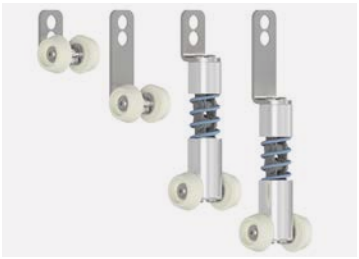
- **2 Light Chains with 4 UV lamps each**
- **2 IR temperature sensors per Light Chain**
- **Connection adapter**
- **Wheelset: DN150 | 6"**
- **Wheelset: DN200 | 8"**



Vortex UV Light Chain

DN150 - DN600 | 6"-24"

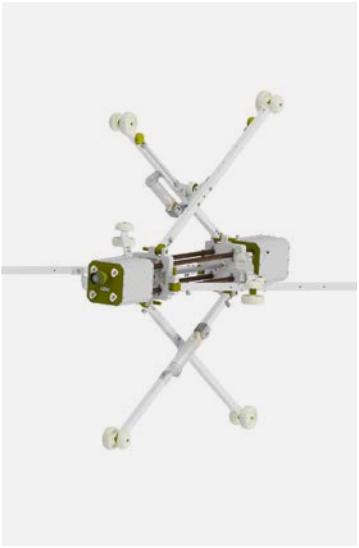
The Vortex Light Chain SMALL has eight centrally arranged and power-controlled UV lamps from 400-650W, depending on the pipe diameter. By exchanging the spring-mounted wheel sets, the Light Chain is optimally and smartly adapted to different pipe diameters.



DETAILS

Pipe Dimensions:

- **2 Light Chains with 4 UV lamps each**
- **2 IR temperature sensors per Light Chain**
- **Connection adapter**
- **Wheelset: DN150 - DN600 | 6"-24"**
- **Total Power: 3.2 kW/5.2 kW (8 x 400/650 Watt)**



Vortex UV Double Core

DN700 - DN1600 | 28"-63"

The Vortex UV double core consists of two cores connected with a connecting adapter. Each core is equipped with four UV lamps (1000-1500W) located on the electrically extendable wheel arms. This allows the lamps to move outward when the core is installed in the pipe, placing them closer to the liner material. This ensures improved illumination of the liner. The compact installation dimensions of just 400mm in diameter (wheel arms retracted) ensure an easy installation of the cores.

DETAILS

- **2 Cores with 4 UV lamps each**
- **2 IR temperature sensors per Core**
- **Connection adapter**
- **Working area DN700 - DN1600 | 28"-63"**
- **Total Power: 8.0 kW/9.6 kW/12.0 kW (8 x 1000/1200/1500 Watt)**



UV Packer Set

DN150 - DN600 | 6"-24"

With the help of UV packers, the GRP liners are tied in and set up in a user-friendly manner. Set consists of 5 pairs for nominal sizes DN150 - DN600. The stainless steel packers are equipped with matching air couplings for a compressor connection.

DETAILS

- **5 pairs DN150 - DN600 | 6"-24" stainless steel**
- **1 connection each for blower, compressor and measuring hose**
- **Easy-to-open lids**


VORTEX



COMPACT

LIGHTWEIGHT

Pipe Inspection

Clean, inspect and navigate in one operation. MaxLiner UK offers the VIPER® system for cleaning and inspecting drains, laterals and sewer pipes. Combining high-pressure jetting with a steerable Full HD live camera, VIPER allows operators to **see blockages, guide cleaning and check results as they work** — helping reduce repeat passes and time on site.

CHOOSE THE RIGHT VIPER FOR YOUR WORK

- **VIPER Light — portable convenience**
- **VIPER Compact — reach with a compact footprint**
- **VIPER Long Range — additional reach**

FEATURES

- Steerable head helps operators negotiate bends and enter lateral connections
- Switchable forward jet tackles blockages
- Live images help crews identify visible defects and assess the next steps





The Viper

A compact, steerable jet-powered inspection system with a motorised drum. With the Viper, you are able to steer, view, and clean branch and lateral lines with a single system.

KEY FEATURES (ALL VIPER MODELS)

- **Full HD: 1920 x 1080**
- **Fibre-Free**
- **Pipe Sizes: DN75 - DN600 | 3"-24"**
- **Passes through and steers into multiple 45° bends in lines DN75 | 3" and larger**
- **Passes through and steers into multiple 90° bends in lines DN100 | 4" and larger**
- **Working pressure up to 4,350 psi | 300 bar**
- **Hose diameter: DN10 | 3/8"**
- **Required water supply 1,600 psi | 110 bar, 8 gpm | 30 l/min**
- **Fresh water and recycled water operation**



VIPER LIGHT

- **With 100 ft | 30m hybrid hose 3/8"**
- **w x d x h: 26" x 9.5" x 29" | 66 x 24 x 73 cm**
- **Weight: 64 lbs | 29 kg including 100 ft | 30m hybrid hose 3/8"**



VIPER COMPACT

- **With 200 ft | 60m hybrid hose 3/8"**
- **w x d x h: 23" x 20" x 28" | 58 x 52 x 70 cm (handle retracted)**
- **w x d x h: 23" x 20" x 43" | 58 x 52 x 110 cm (handle extended)**
- **Weight: 119 lbs | 53 kg including 200 ft | 60m hybrid hose 3/8"**



VIPER LONG RANGE

- **With 265 ft | 80m hybrid hose 3/8"**
- **w x d x h: 23" x 25" x 28" | 58 x 64 x 70 cm (handle retracted)**
- **w x d x h: 23" x 25" x 43" | 58 x 64 x 110 cm (handle extended)**
- **Weight: 139 lbs | 63 kg including 265 ft | 80m hybrid hose 3/8"**

DEVELOPED FOR LONGEVITY

BUILT FOR PERFORMANCE

Mainline Felt CIPP Liners

MaxLiner offers a comprehensive range of standard felt and glass-reinforced CIPP liners for sewer main and stormwater system rehabilitation. Custom manufactured by Applied Felts, **a world leader in CIPP liner manufacturing and support**, our liners provide solutions tailored to the demands of each project.

CHOOSE THE RIGHT LINER FOR THE JOB

- **Standard Felt Liners — versatile and adaptable. A well-established choice for a broad range of sewer and stormwater rehabilitation projects.**
- **Glass-Reinforced Liners — strength with reduced wall thickness. Glass reinforcement provides increased stiffness, potentially allowing a thinner liner than conventional felt for the same design conditions.**

FEATURES & BENEFITS

- Broad range of diameters
- Custom wall thicknesses
- Impregnation and delivery services





Max Felt Liner — PVC Coated

Polyester fibre (felt) Liner with Polyvinyl chloride coating custom sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fibre rolls.



Max Felt Liner — PU Coated

Polyester fibre Liner with polyurethane coating custom sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fibre rolls.

Max Felt Liner — PP Coated

Polyester fibre Liner with polypropylene coating custom sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fibre rolls.



Max Glass Reinforced Felt Liner

Polyester fibre Liner with glass reinforcement to enhance mechanical properties. Available in different coating types (PUS, PUXR, PP, PVC) and coating weights, custom-sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fibre rolls with glass reinforcement introduced accordingly to offer improved mechanical strength in the installed liner.



FAST CURE

ENVIRONMENTALLY FRIENDLY

Sanitary & Storm UV Liners

BKP Berolina specialises in glass-reinforced, UV-cured CIPP liners for trenchless sewer and stormwater rehabilitation. Its Berolina-Liner range combines structural strength with thin wall construction, helping **restore pipe integrity while preserving internal diameter.** Factory-impregnated and supplied ready for installation, the liners accommodate a range of pipe sizes and profiles. Efficient UV curing supports rapid rehabilitation with minimal excavation, **reducing disruption and extending the service life** of existing infrastructure.

APPLICATIONS

- **Gravity storm and sewer pipes**
- **Round and ovoid pipes**

FEATURES & BENEFITS

- Faster installation compared with conventional methods.
- Reduced disruption to the end user and surrounding operations.
- Easier installation in difficult or restricted-access locations.
- Extends the service life of existing assets and infrastructure.
- Supports a more sustainable approach to asset management.





BKP Berolina Liner

UV GRP LINER FOR GRAVITY SEWER APPLICATIONS

Berolina Liner features advanced glass-fibre reinforcement, for exceptional structural strength with minimal wall thickness. This minimises loss of pipe diameter while maximising the load-bearing capacity of the rehabilitated system.

AREAS OF APPLICATION

- **Circular profiles: ID 6 - 38”**
- **Ovoid cross-sections: 8” | 12” - 28” | 41”**

FEATURES & BENEFITS

- **Seamless design, particular expandability**
- **Up to 1,640 | 3,280 ft | ≤ 12"**
- **Can be stored up to 6 months (VE liners) or 12 months (UP liners)**
- **Fast curing and smooth surface**
- **Suitable for all standard pipe profiles**
- **Quality management in accordance with EN ISO 9001:2015**
- **Bridging small profile and cross-section changes**
- **Resin types depending on requirement (polyester, vinyl ester, styrene-free)**
- **Abrasion protection layer**

wrc approved™ **PT/496/0422 (UP AND VE RESIN)**

Deutsches Institut für Bautechnik DIBt **Z-42.3-336 (UP AND VE RESINS)**



BKP Berolina-HF Liner

UV GRP, HIGH-STRENGTH LINER FOR GRAVITY SEWER PIPE

Due to the special construction of the glass sheets and higher glass content, Berolina-HF Liner achieves higher mechanical characteristics resulting in a reduction of the structurally required wall thickness compared with BKP’s standard UV GRP liner. Berolina-HF Liner is also available with Integrated Enhanced Security (IES), which can reduce installation time by up to 60 minutes.

AREAS OF APPLICATION

- **Circular profiles: ID 6 - 63”**
- **Ovoid cross-sections: 14 | 21” - 48 | 71”**

FEATURES & BENEFITS

- **Higher mechanical characteristics compared to the Berolina-Liner**
- **Reduction of the structurally required wall thickness compared to the Berolina-Liner**
- **Seamless design, particular extensibility**
- **Up to 1,640 / 3,280 ft | ≤ 12"**
- **Can be stored up to 6 months (VE liners) or 12 months (UP liners)**
- **Fast curing and smooth surface**
- **Suitable for all standard pipe profiles**
- **Quality management in accordance to EN ISO 9001:2015**
- **Bridging small profile and cross-section changes**
- **Resin types: PE, VE, styrene-free**
- **Abrasion protection layer**

wrc approved™ **PT/496/0422 (UP AND VE RESIN)**

Deutsches Institut für Bautechnik DIBt **Z-42.3-336 (UP AND VE RESINS)**



BKP Berolina-LP Liner

UV LINER PRESSURE-RATED UP TO 43.5 PSI

Berolina-LP Liner (LP = Low-pressure) is used in wastewater pressure pipe rehabilitation. Its unique layered liner construction features very resistant glass. This liner is recommended for low-pressure pipe applications with a maximum internal operating pressure of 43.5 PSI.

AREAS OF APPLICATION

- **Pressure pipes up to 43.5 PSI operating pressure**
- **Circular profiles: ID 6 - 24”**

FEATURES & BENEFITS

- **Use in low-pressure range**
- **Seamless design**
- **Ready for installations up to 1,640 ft**
- **Can be stored for up to 6 months**
- **Fast curing**
- **Smooth surface**
- **Suitable for all standard pipe profiles**
- **Bridging small profile and cross-section changes**





CarboSeal District Heating Relining

CARBON FIBRE-REINFORCED LINER FOR HIGH TEMPERATURES

BKP's CarboSeal® is a carbon fibre-reinforced CIPP lining system developed for the high temperatures and pressures found in district heating networks. It combines specialist carbon fibre reinforcement with a high-temperature epoxy resin to rehabilitate existing steel pipes from within, reducing the need for extensive excavation and replacement. CarboSeal provides a practical option for ageing or leaking pipelines, particularly beneath busy roads and other locations where excavation would cause significant disruption. The liner is pulled into the prepared pipe and cured using steam.

PERFORMANCE SPECIFICATIONS

- **Primary application — Rehabilitation of steel district heating water pipes**
- **Liner construction — Carbon fibre reinforcement with specialist high-temperature epoxy resin**
- **Reinforcement — Proprietary TeXtreme® carbon fibre fabric**
- **Diameter range — DN150 – DN800**
- **Operating temperature — Up to 130°C**
- **Working pressure — 16 bar**
- **Installation method — Pull-in installation within the cleaned and inspected host pipe**
- **Curing method — Steam curing**
- **Supply format — Factory-impregnated, ready for installation**
- **Material performance — Designed to resist hydrolysis and prolonged exposure to high-temperature water**
- **Thermal behaviour — Carbon fibre architecture developed to match the thermal expansion characteristics of steel pipes**





DESIGNED FOR ACCURACY

JUST-IN-TIME DELIVERY

Impregnation Services

MaxLiner® UK provides professional CIPP impregnation services for a broad range of liner systems and applications, including standard felt, GRP, pressure-rated and UV liners.

Our capabilities include a wide selection of resin technologies, including silicate, vinyl ester (VE), polyester (PE), polyurethane (PU) and epoxy. With controlled impregnation processes and experienced technical support, we provide contractors with consistent, installation-ready liners tailored to the specific requirements of each project.

APPLICATIONS

- **Diameters from 100mm - 2000mm**

OPTIONS

- On-site and mobile services available
- Just-in-Time delivery programme







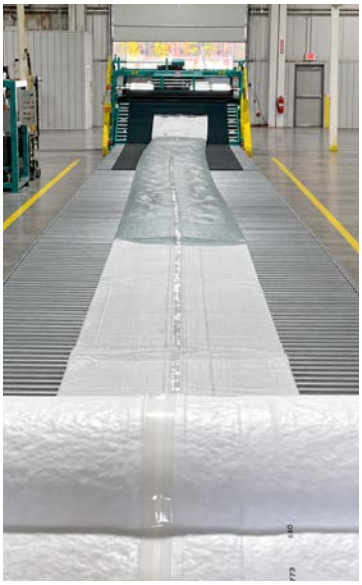
Impregnation Services

PRECISION & QUALITY AT EVERY STEP
MaxLiner offers Impregnation services, delivering customised CIPP liners to meet your project requirements. From beginning to end, our commitment to deliver value is evident in our quality assurance process.

FLEXIBLE & FAST DELIVERY OPTIONS
We offer the flexibility of impregnating liners on-site using our mobile impregnation systems. This flexibility ensures rapid delivery and maintains the integrity of each liner, as they are kept at optimal temperatures during transit in climate-controlled trailers.

DEDICATED SUPPORT
Our service extends beyond just providing products. Our dedicated team, from drivers to senior leaders, is committed to supporting your project from start to finish.

Experience the MaxLiner difference — where quality products, expert support, and timely delivery come together to ensure your project's success.





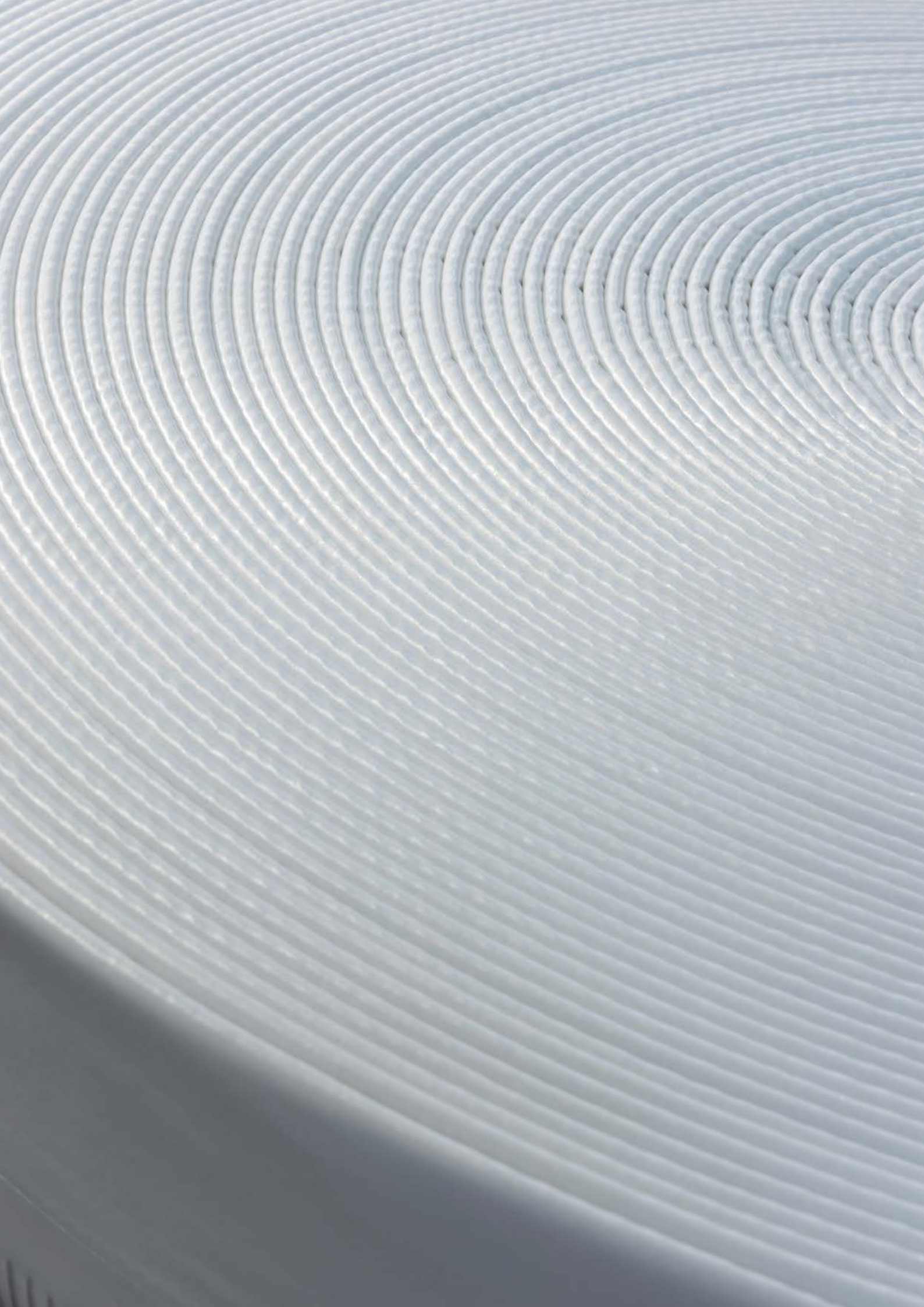




LATERAL & IN-HOUSE DRAIN PIPES









OPTIMAL RESULTS

ADVANCED SOLUTIONS

Pipe Prep & Cleaning

MaxLiner, in collaboration with Picote Solutions, offers **an extensive array of equipment**, designed to handle a variety of pipe materials and conditions.

This partnership brings together Picote's **renowned millers, cleaning, cutting and removal tools** with MaxLiner's distribution capabilities and field support... providing you with access to top-tier equipment for any project.

APPLICATIONS

- **Pipe Surface Preparation (Sanding / Profiling)**
- **General Drain Cleaning (Maintenance Work)**
- **Descaling & Pipe Cleaning**
- **Root Removal & Obstruction Clearing**
- **CIPP Reinstatement (Lateral Reopening)**
- **Removal of Failed Liners or Excess Material**
- **Preparation for Pipe Coating Systems**

FEATURES & BENEFITS

- Powerfull & Ergonomic
- Safe to Use While CCTV is in the Pipe
- Wide Variety of Tooling for all Pipe Types
- Extensions Available





Mini Cleaner

FOR 1¼"-3" | DN32 - DN75 PIPES

The Picote Cleaner family features high-speed, high-torque machines for cleaning, descaling and removing roots in smaller pipes. Standard safety features include: flexible protective outer shaft casing making the cable safe to hold, shielded operator presence foot control, safety clutch, emergency stop switch.

DETAILS

- **Reach 50 ft | 16m no extension**
- **Highly flexible outer casing to pass through P-Traps and multiple bends**
- **High-speed drain cleaning**
- **Unblocking and root removal**
- **Fast reinstatements, even through 2" | DN50 P-Traps**
- **Add Mini Pump or Xpress System for Picote Brush Coating™**



Midi Cleaner

FOR 2"-6" | DN50 - DN150 PIPES

The Midi Cleaner fits neatly between the Mini Miller and Super Midi Miller capabilities, with the strength of ⅜" | 10mm shaft but with thinner outer casing providing greater flexibility around bends. Fed by a standard wall outlet (in most cases) and weighing in at 144 lbs | 65 kg this is a great option for high-speed cleaning of 2"-6" | DN50 - DN150 pipes.

DETAILS

- **Reach 75 ft | 23m + 32 ft | 10m extension available**
- **High-speed drain cleaning 2-6" | DN50 to DN150**
- **Blockage removal**
- **Fast reinstatements 2-4" | DN50 to DN100**
- **Add Picote Brush Coating™ Pump to coat 2-8" | DN50 - DN200 pipes**



Mini Miller

FOR 2"-6" | DN50 - DN150 PIPES

The Picote Mini Miller is a high-speed, high-torque machine for cleaning, descaling and removing roots in smaller pipes. Weighs 27 kg | 60 lbs, 500 to 2900 rpm, 1100W output. Lightweight aluminium frame. Standard safety features include: protective outer shaft casing making the cable safe to hold, shielded operator presence foot control, safety clutch, emergency stop switch.

DETAILS

- **Smallest and lightest Picote high-speed, high-torque milling machine**
- **Reach 50 ft | 16m + 32 ft | 10m extension available**
- **High-speed drain cleaning 2-4" | DN50 - DN100**
- **Unblocking and root removal**
- **Fast reinstatements 2-3" | DN50 - DN75**
- **Add Mini Coating Pump or Xpress System for Picote Brush Coating™ for 2-6" | DN50 - DN150 pipes.**



Super Midi Miller

FOR 3-6" | DN70 - DN150 PIPES

The Super Midi fits neatly between the Midi Cleaner and Maxi Miller capabilities, with the strength of ½" | 12mm shaft but with thinner outer casing providing greater flexibility around bends. Fed by a standard wall outlet (in most cases) and weighing in at 152 lbs | 69 kg this is a great option for high-speed cleaning of 3"-6" | DN70 - DN150 pipes.

DETAILS

- **Reach 65 ft | 20m + 32 ft | 10m extension available**
- **High speed drain cleaning 3"-6" | DN70 - DN150**
- **Blockage removal**
- **Fast reinstatements 3"-6" | DN70 - DN150**
- **Add Maxi Coating Pump or Xpress System for Brush Coating 3"-8" | DN70 - DN200 pipes.**



Maxi Miller 240

FOR 3"-10" | DN50 - DN150 PIPES

The Maxi Miller 240 is a high-speed, high torque powerhouses for cleaning, removing hard deposits or failed CIPP linings, lateral reinstatements and Picote Brush Coating™. Designed for tough challenges like heavy scale build-up and roots. Weighs 196 lbs | 89 kg, 500 to 1475 rpm, 1.13kW output. Lightweight aluminium frame. Perfect for longer runs and heavy-duty work.

DETAILS

- **Reach 100 ft | 30m + up to 50 ft | 15m extension available (for 240V models – all others are 32 ft | 10m)**
- **High speed drain cleaning 3"-10" | DN70 - DN250**
- **Concrete, FOGs or failed CIPP lining removal**
- **Fast reinstatements 3"-8" | DN70 - DN200**
- **Use with Maxi Pump or Xpress System for Picote Brush Coating™ 3"-12" | DN70 - DN300**
- **Maxi Plus features removable control box to work closer to access point**



ProLITE 6

FOR 1¼"-3" | DN32 - DN75 PIPES

Built for drain cleaning, descaling, and blockage removal in small to mid-sized pipes, the Picote ProLITE 6 is compact and lightweight. Powered by an 18V Li-ion battery, these versatile units provide exceptional portability. Designed with operator safety, efficiency, and durability in mind, they are ideal for residential, commercial, and maintenance plumbing professionals.

DETAILS

- **1/4" | 6mm shaft model designed with 62.3' | 19m of usable shaft**
- **Weight: 30 lbs | 13.6 kg**
- **Foot pedal operation**
- **Electronic safety clutch for operator safety**
- **Ergonomic handle**
- **Multiple tool options and packages available**



ProLITE 8

FOR 2"-4" | DN50 - DN100 PIPES

Built for drain cleaning, descaling, and blockage removal in small to mid-sized pipes, the Picote ProLITE 8 is compact and lightweight. Powered by an 18V Li-ion battery, these versatile units provide exceptional portability. Designed with operator safety, efficiency, and durability in mind, they are ideal for residential, commercial, and maintenance plumbing professionals.

DETAILS

- **1/3" | 8mm shaft model designed with 45.9' | 14m of useable shaft**
- **Weight: 32 lbs | 14.6 kg**
- **Foot pedal operation**
- **Electronic safety clutch for operator safety**
- **Ergonomic handle**
- **Multiple tool options and packages available**





Original, Tiger Drill, and Cyclone Chains

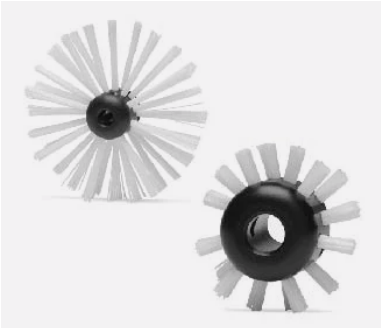
FOR 1¼"-3" | DN32 - DN75 PIPES

The Tiger Drill Chain features an integrated Front Drill Head to push through blockages, roots and lightly collapsed liners.

The Cyclone Chains are a great option for finish cleaning because they accurately hone the pipe back to near original condition. The Cyclone Chains utilise centrifugal force to keep them centred inside the pipe which also provides extra protection for descaling cracked or damaged pipes.

AVAILABILITY

- **Standard**
- **Premium**
- **PVC**
- **Tiger**
- **Tornado (Power+)**





Cleaning Brushes

FOR ⅓"-⅜" | 8MM - 10MM SHAFTS
Picote offers both nylon bristle and wire bristle cleaning brush options. Both are good for cleaning in plastic and fragile host pipes.

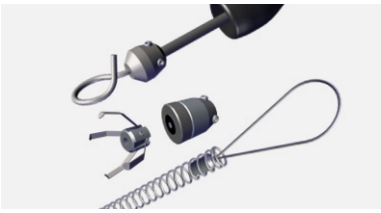
The nylon cleaning brushes are extremely gentle on the host pipe but are excellent at cleaning soft blockages due to the unique high-speed capability of Picote Millers. They are available for 1¼"-12" | DN32 - DN300 pipes.

Wire cleaning brushes are available for 2"-12"| DN50 - DN300 pipes, and are designed for removing fine dust or light mineral deposits.

NYLON
Very gentle on the host pipe and effective at clearing soft blockages in plastic and fragile pipes

WIRE
Designed to remove light mineral deposits and fine dust in cast iron pipes prior to coating.

NYLON & WIRE COMBO
Combination of the Nylon and Wire bristles (for cleaning only).







Grabbers

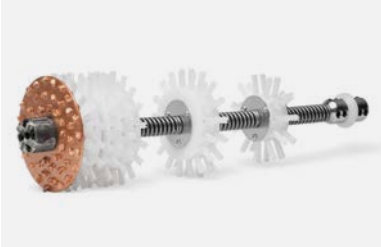
Picote Grabbers eliminate the need for excavation. Retrieve lost items or foreign objects with ease and precision. Navigate 90° bends.

SMALL GRABBER
- **Retrieve anything from pipes 2"-3" | DN50 - DN75**
- **Two lengths: 16 and 32 ft | 5 and 10m**
- **No need for an air compressor**

LARGE GRABBER
- **Comes with one set of jaws**
- **Large Grabber Extensions: increase the reach of the Large Grabber by using 1-2 32′ | 10m extensions**
- **CCTV camera and air compressor needed**

PICOTE GRABBER
- **Comes with two sets of jaws (Original Jaw Set 1 and 2)**
- **Increase the reach of the Picote Grabber by using 1-2 32′ | 10m Picote Grabber Extensions**
- **CCTV camera and air compressor required**
- **Can add Grabber Jaw Set 3 to make the Grabber easier to use in 6" | DN150 pipes**









Concrete & Liner Removal Tools

Picote offers a range of tools to tackle concrete and liner removal, suitable for your Maxi Miller or Maxi Power+ depending on the pipe diameter.

TIGER TWISTER LINER & CONCRETE REMOVER

Two tough jobs, one tougher tool. The Tiger Twister Liner and Concrete Remover is two times faster removing failed CIPP linings than the regular Twister Liner Remover. Also very efficient for concrete removal. A must-have for every toolbox.

- **Model for lined pipes**
- **Model for unlined pipes**

TWISTER CONCRETE REMOVER

For efficient concrete, grout, slurry, and rock removal. Dual front brushes provide added stability while the heavy-duty Front Metal Panel with large carbides and specialised Front Drill Head deliver great results.

- **4" and 6" | DN100 and DN150 models available with or without a steering axle**

TWISTER LINER REMOVER

The Twister Liner Remover's dual front brushes provide added stability, while the heavy duty front panel with its large carbides and front drill head, make for efficient collapsed liner removal.

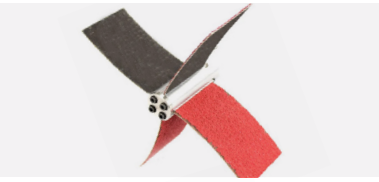
- **Lined pipes**
- **Unlined pipes**

MAXI POWER+ CONCRETE REMOVAL

The Twister Concrete Remover+ for the Picote Maxi Power+ has dual front brushes for added stability, a heavy-duty front panel with large carbides, and a specialized Front Drill Head with star carbides, all of which combine for powerful concrete, grout, slurry, and rock removal. Follow up with the Smart Cutter+ and/or a Tornado or Premium Cyclone Chain to remove any residual concrete from the edges of the pipe.

- **For 6"-9" | DN150 - DN225 pipes**











Cutting & Reinstatement Tools

Picote has a range of tools for reinstating lined connections and for cutting out roots and other obstructions in the pipe.

PICOTE PRO CUTTING KITS

- **With Picote Pro Cutting and Starter Kits you can have all of the most commonly used tools to tackle almost any cutting/reinstatement situation. Available for 2" | DN50 to 8" | DN200 pipes.**
- **Best for reinstatements**

PICOTE SMART CUTTER™

- **The award-winning Picote Smart Cutter is a unique reinstatement, cleaning, and pipe preparation option**
- **For 1 1/4"-12" | DN32 - DN300 pipes**
- **One of our most versatile tools and a must-have for any toolbox**

MAXI POWER+ REINSTATEMENTS

- **Twister+**
- **Smart Cutter+**

TWISTER LATERAL CUTTERS

Picote has a range of Twister Lateral Cutters available for quick and easy reinstatements, powered by Picote Millers.

- **Twister Lateral Cutter**
- **Twister Express**
- **Tiger Twister Lateral Cutter**
- **Twister Mini Flexi**

SPECIAL DRILL HEADS & TIGER BORES

- **Easily cut into tough blockages such as tree roots, grease, heavy scale, or tuberculation**
- **Can be used to unblock pipes in order to make space for larger tools to follow**





Mini Multi-Cutter

FOR 4"-6" | DN100 - DN150 PIPES

Designed exclusively to work with the Picote Mini Miller +C HD, the Mini-Cutter combines precision, portability, and performance in one powerful package. This simple yet robust mechanical robot harnesses the high speed and torque of the Mini Miller +C HD to deliver exceptional cutting results. Perfect for CIPP reinstatements and concrete or failed liner removal, reaching distances up to 82 ft | 26m.

DETAILS

- **Navigates multiple 90° bends with ease**
- **Operates underground or vertically with a small setup footprint**
- **No large compressor needed — efficient and site-friendly**
- **Integrated camera module for real-time cutting visibility**
- **Controlled compressed-air movement for smooth head operation (up/down)**
- **Works with Picote Push Rods for easy positioning and access**
- **Everything you need fits easily into a standard service truck:**
  - **— Picote Mini Miller +C HD with 10.1" LCD screen**
  - **— Push Rods**
  - **— Compact compressor**
  - **— Tool case and accessories**


MAXLINER



UNPARALLELED SOLUTIONS

ROBUST & EFFICIENT

Inversion Systems

MaxLiner delivers unparalleled solutions for small diameter pipe rehabilitation equipment. Recognised for its industry-leading CIPP systems, MaxLiner provides contractors with **robust, efficient, and easy-to-use liner inversion equipment** ideal for lateral and vertical pipelines. This comprehensive lineup ensures that every aspect of small diameter lining is covered, from installation to curing, with systems designed to minimise disruption and maximise efficiency.

APPLICATIONS

- **2" to 12"**
- **Drain, Waste, & Vent Piping Systems**
- **Cold, Warm, Steam, or UV/LED Curing**

FEATURES & BENEFITS

- Only Single Access Needed
- Compact & Lightweight
- Allows for Different Curing Methods









MaxDrum 500, 700, 900

The family of Max Inversion Drums allows you to easily, safely and quickly insert flexible liners into the sewer that needs to be rehabilitated. The resin-impregnated liner is wound onto the drum axle with a control rope and inverted into the open-ended or closed-ended sewer by compressed air. The inversion pressure and the inversion speed are constantly controlled via the control elements on the inversion drum. After the impregnated liner has been inverted, the curing process of the liner can be accelerated with hot water, steam or UV/LED light. This results in the creation of a new pipe in the old pipe.

MAXDRUM 500

INVERSION DRUM FOR LINERS UP TO 6" | DN150
MAX LENGTH OF 60 FT | 18M

- **Nozzle: Male Camlock 6” | Female Camlock 6” — nozzles can be used with the application of a SZ4-6R reducer**
- **Max Pressure: 14.5 psi | 1.0 bar**
- **Max Temperature: 212°F | 100°C**
- **Designed for 2”-6” liners**

Dimensions & Weight

- **Length: 2’ 7” | 79 cm**
- **Width: 1’ 10” | 57 cm**
- **Height: 3’ 1” | 95 cm**
- **Weight: 97 lbs | 44.2 kg**

MAXDRUM 700

INVERSION DRUM FOR LINERS UP TO 8" | DN200
MAX LENGTH OF 144 FT | 44M

- **Nozzle: Male Camlock 6” | Female Camlock 6” — nozzles can be used with the application of a SZ4-6R reducer**
- **Volume: 135 L**
- **Max Pressure: 14.5 psi | 1.0 bar**
- **Max Temperature: 212°F | 100°C**
- **Designed for 2”-8” liners**

Dimensions & Weight

- **Length: 3’ 3” | 98 cm**
- **Width: 1’ 11” | 59 cm**
- **Height: 3’ 10” | 116 cm**
- **Weight: 114.61 lbs | 52 kg**

MAXDRUM 900

INVERSION DRUM FOR LINERS UP TO 12" | DN300
MAX LENGTH OF 328 FT | 100M

- **Nozzle: Male Camlock 8” | Female Camlock 8” — nozzles can be used with the application of a SZ4-8R reducer**
- **Max Pressure: 14.5 psi | 1.0 bar**
- **Max Temperature: 200°F | 100°C**
- **Designed for 2”-12” liners**

Dimensions & Weight

- **Length: 3’ 7” | 110 cm**
- **Width: 2’ 4” | 72 cm**
- **Height: 4’ 5” | 135 cm**
- **Weight: 225 lbs | 102 kg**





Sluice

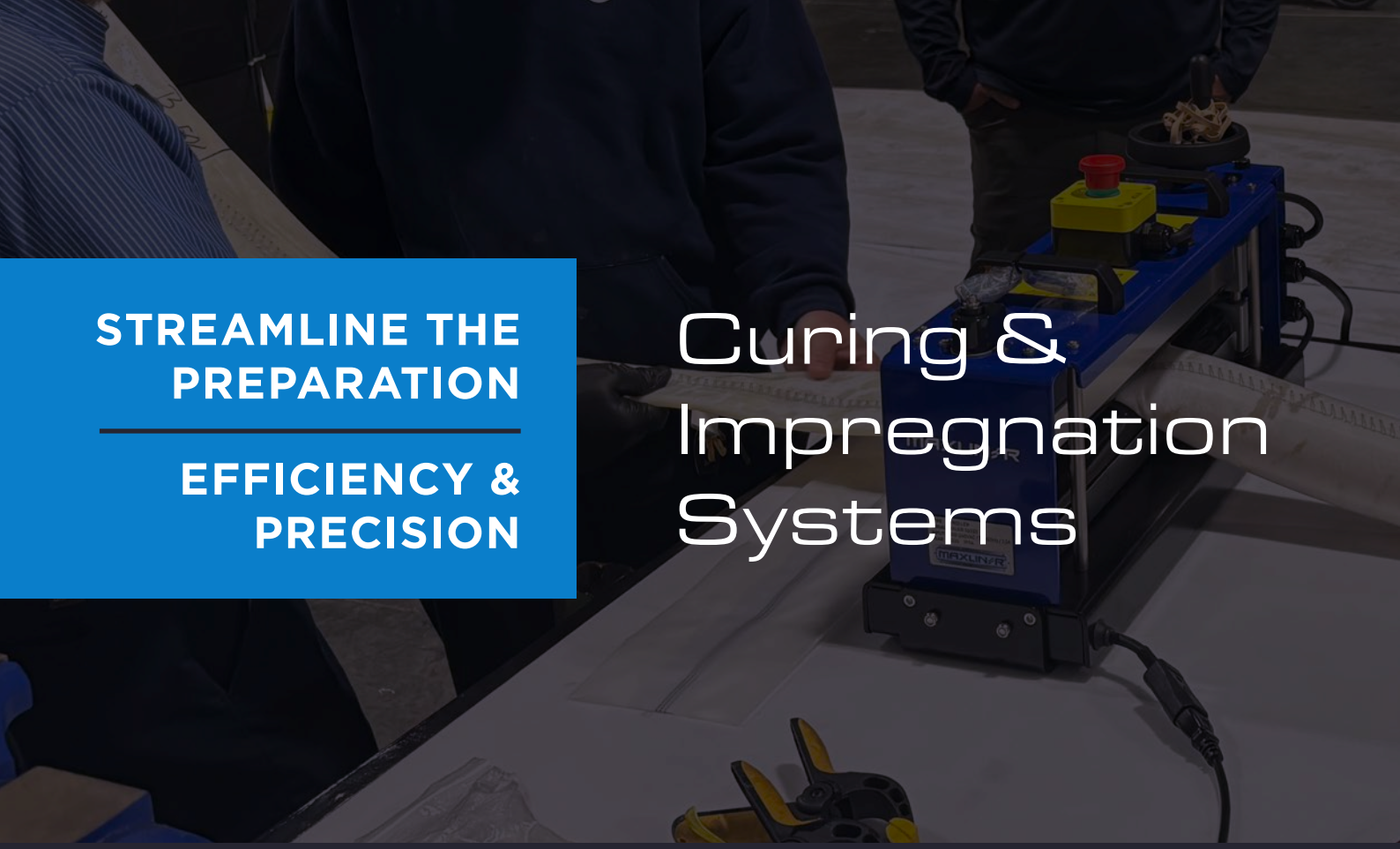
SLUICE INVERSION SYSTEM FOR LINER 2"-8" | DN50 - DN200

The Sluice is a developed system based on our patented two-chamber system for "endless inversion". This protects the liner from unwanted stretching, bruises, wrinkles and folds. This sluice works with all known rehabilitation methods such as cold, warm, steam, and UV curing.

DETAILS

- **For pipes up to 8" | DN200**
- **Material: aluminium**
- **Dimensions: approx. 29" x 22" x 32" | 730 x 550 x 800mm**
- **Outlet: 6" Camlock**
- **Weight: 62 lbs | 28 kg (without nozzles)**
- **Safety blow-off at 21.75 psi | 1.5 bar**
- **Compatible for air, steam, hot water, UV**
- **Max Temp: 194°F | 90°C**
- **Special features:**
  - **Patented chamber system**
  - **Safety features**
  - **Pressure monitoring and regulating features**
  - **Bypass with POWER-Shot Function**
  - **2 x connections for steam, water, camera or similar on the funnel**
  - **Foldable mobile frame**
  - **Roller for easier, gentler liner guidance**
  - **Angle adjustment**





STREAMLINE THE PREPARATION

EFFICIENCY & PRECISION

Curing & Impregnation Systems

Maximise the efficiency and precision of your liner installations with MaxLiner's **advanced impregnation equipment**. Our offerings include the Max E-Roller, designed to meet the needs of different project scales and requirements.

MaxLiner offers **field-proven curing equipment** designed to meet a wide range of CIPP lining needs, delivering optimal results through ambient, heat, or UV/LED curing methods. For traditional curing of standard liners, our systems provide a cost-effective, reliable, and efficient solution in the field.

APPLICATIONS

- **Impregnation 2"-12" | DN50 - DN300**
- **Curing 2"-24" | DN50 - DN600**

FEATURES & BENEFITS

- Portable & Compact, Simple, & Effective
- Quick Detach Mounting Plate Included
- Safety Stop, Speed Control, & Directional for Forward, Neutral, & Reverse







Max E-Roller

MaxLiner's material-friendly Max E-Roller impregnation system is ideally suited for even distribution and complete resin saturation into the liner for trenchless sewer rehabilitation.

The Max E-Roller for pipes up to 12" | DN300 is a convenient, user-friendly solution in a new design. This compact version is lightweight and features electronic calibration. The roller spacing, which determines the wall thickness, is controlled using a handle located on the top of the unit. The pull-through speed is defined and controlled electronically via a rotary control. This unit is equipped with a quick-detach mounting bracket.

DETAILS

- **Input 100 – 240VAC / 50 – 60 Hz / 2.1A**
- **Adjustable speed control**
- **Direction switch**
- **2 powered brushless rollers/motors with grip coating**
- **Foot switch**
- **Adjustable roller gap with counter reading**
- **Quick release table fixing for easy movement on the work site**
- **Safety limit pressure between rollers (rollers stop if pressure is too high)**
- **Safety covers on both rollers**
- **Emergency stop**
- **Carrying handles**
- **Weight: 48 lbs | 22 kg**
- **Measures: 31" x 8" x 14" | 787 x 203 x 356mm**
- **Capacity: Max. 12" | 300mm liner**



CUTTING-EDGE TECHNOLOGY

INNOVATIVE SOLUTIONS

Coating Equipment

Our Picote collaboration combines coating equipment with **high-quality coating materials from Quadex**® to offer superior solutions for small diameter coating projects.

These house-to-main connection cutters remove the toughest deposits and are a reliable tool when opening and reopening lateral connections after liner rehabilitation — quickly and effectively.

APPLICATIONS

- **Restoration of Ageing Drain Pipes (1.25"-4")**
- **Corrosion Protection (Especially Cast Iron)**
- **Sealing Pinholes & Minor Leak Sealing**
- **In-Building Pipe Rehab (Key Advantage)**
- **Complex Pipe Systems Where Lining is Difficult**
- **Grease Line Rehabilitation (After Cleaning)**
- **Post-Cleaning Sealing After Descaling**

FEATURES & BENEFITS

- Avoids Costly Replacement of Plumbing Pipe
- 100% Solids Epoxy - No VOCs
- Quick Set-Up, Fast Process
- Compact System For Tight Working Conditions







Xpress Coating 2.0 System

FOR 1¼”-12” | DN32 - DN300 PIPES

The Xpress Coating 2.0 System from Picote is designed for small diameter pipe coating. The Xpress Coating 2.0 System offers rapid curing times and highly efficient operations for pipes ranging from 1.25”-12” | 31.75mm-305mm. This system minimises waste and mess, drastically reducing setup time and operational costs. The heart of the system is the Xpress Coating Pump, equipped with dual hydraulic resin cylinders engineered for the new 1:1, single-colour epoxy. It features a built-in extended-life battery and an internal resin heater, ensuring several hours of continuous work, even while charging. Included in the system is a motorised Delivery Hose Reel with 131 ft | 40m of delivery hose, enhancing ease of setup, mobility and storage.

DETAILS

- **Pipe Diameters: 1 1/4”-12” | DN32 - DN300**
- **Max Range: 131 ft | 40m**
- **Battery: Internal (24V, 882Wh)**
- **Cylinder Pump: 0.26 gal | 1 L**
- **Capacity Filler: 1.4 gal | 5.4 L**
- **Weight Pump: 220 lbs | 100 kg**
- **Reel (empty): 110 lbs | 50 kg**
- **Size Pump: 26.9” x 58.1” x 25.7” | 683mm x 1476mm x 653mm (WxLxH)**
- **Reel: 23.3” x 27.6” x 28.9” | 592mm x 701mm x 734mm**



HIGH MANEUVERABILITY

ENHANCED FUNCTIONALITY

Robotic Cutting

MaxLiner's small diameter robotic cutting solutions — powered by Dancutter systems — are **designed for precision cutting, grinding, and milling inside pipelines.**

These systems are primarily used to reopen lateral connections after CIPP lining, remove intrusions like concrete or roots, and clear obstructions without excavation, delivering accurate, controlled results even through bends and complex pipe geometries. With features like integrated cameras, 360° rotation, and high flexibility, they allow operators to **perform reinstatement and cleaning tasks quickly, safely, and with minimal disruption.**

APPLICATIONS

- **Mainline Cutting, Grinding & Milling**
- **Lateral Reinstatement**

FEATURES & BENEFITS

- Real-Time Video Feed
- Precision Control
- 3"-10"
- Long Distances







DC Super Flex

FOR 3"-6" | DN75 - DN150 PIPES

DanCutter's extremely flexible cutter navigates 45° and 90° bends and effectively cuts, grinds, and mills in diverse materials. Equipped with two joysticks, the control unit provides precise control over the motor rotation and cutter arm movements, allowing you to raise, lower, expand, and contract the cutter with ease. Enjoy unrestricted operation with a continuous 360° rotation feature. An automatic feeder and built-in slip ring provide for seamless back-and-forth movement. The DC Super Flex has a 164 ft | 50m hose for tailored operational flexibility, and is equipped with a spray nozzle for camera cleaning with air or fluid.

DETAILS

- **Pipe Diameter: 3"-6" | 75-150mm**
- **Supply Hose Options: 82 ft or 164 ft | 25m or 50m**
- **Bends: 45°-90°**
- **Expansion/Extraction: 2.4" | 60mm**
- **Rotation: 360° continuously**
- **Grinds, Mills and Cuts: PVC, liner, concrete, iron, cast iron, stainless steel**
- **Air Supply: 550 l/min, 22 cfm**
- **Grinder: 15,000 rpm**
- **Air Pressure: Max 145 psi | 10 bar**
- **Power Supply: 110/240 VAC – LN**
- **Weight:**
  - **82 ft | 25m — 128 lbs | 58 kg**
  - **164 ft | 50m — 156.5 lbs | 71 kg**
- **Stainless Steel Frame (L x W x H):**
  - **39.37" x 19.69" x 40.55"**
  - **1,000mm x 500mm x 1030mm**





DC Maxi Flex

BRIDGES THE GAP BETWEEN LATERALS AND MAINLINE

DC Maxi Flex is Dancutter's most powerful cutter. It has an extremely powerful grinder which makes the cutter both fast and efficient. The DC Maxi Flex is flexible and can go through several 45° bends in a 6" | 150 mm pipe and works effortlessly whether the pipe is straight or has bends.

If you are mostly working in larger pipes, DC Maxi Flex is your right choice for reopening laterals or removing hard deposits like concrete.
When you are cutting, milling, and grinding in pipes from 4"-16" | 150-400mm, DC Maxi Flex is a powerful solution whether the pipe is made of PVC, concrete, cast iron, or steel.

DETAILS

- **Extremely powerful motor**
- **360° degree continuous rotation**
- **High-quality stainless-steel alloy**
- **12" | 305mm color display**
- **Flexible through several 45° bends**
- **Cuts, grinds, and mills in all materials**
- **User friendly**
- **Precise control**
- **Toolbox, centring tool with brushes, and transport box are standard accessories**
- **We offer a versatile range of accessories and spare parts for your Dancutter solutions**

DESIGNED FOR ACCURACY

SUPERIOR PERFORMANCE

Standard Liners

MaxLiner® liners are high-performance CIPP solutions engineered for reliable rehabilitation of pipelines across residential, commercial, and municipal applications. **Constructed with advanced composite fabrics and seamless designs,** they deliver superior strength, flexibility, and chemical resistance while navigating bends, diameter changes, and transitions with ease. MaxLiner liners' optimised wall thickness minimises resin usage **without sacrificing structural integrity,** making them a cost-effective and durable solution for long-term pipe restoration.

APPLICATIONS

- **Best for Straight Piping**

FEATURES & BENEFITS

- When Precise Liner Landing is Critical
- Sweeping Bends Up To 45°
- Good For Moderate Transitions





MaxLight™ Liner

DIAMETER RANGES FROM 3" TO 12" | DN75 - DN300

MaxLight™ is a uniquely manufactured synthetic fibre felt CIPP liner with a TPU coating specifically designed to maximise LED light-cure capabilities. Tube forming and seam bonding are achieved by an overlocking chain stitched seam with an extruded taped joint – creating a superior, high-performance, impermeable liner designed for sweeping bends up to 45° and very minimal stretch. Manufactured in accordance with ISO 9001:2015. Ideal for LED light cure.

DETAILS

- **Open-End (Blindshot) with Calibration Tube and Closed-End**
- **Ideal for straight piping applications with minimal stretch**
- **May be used on sweeping bends up to 45°**
- **Custom diameters and lengths are available**
- **Not compatible with Styrene**
- **Manufactured transitions and custom sizes are available**
- **Thickness Range: 3mm - 6mm**
- **Stock lengths: 50m - 100m**



Max Felt Liner (PVC) — Drag-In | Eversion

DIAMETER RANGES FROM 3" TO 12" | DN75 - DN300

Polyester fibre (felt) Liner with PVC coating custom sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fibre rolls.

DETAILS

- **Thickness Range: 3mm - 6mm**
- **Stock lengths: 50m - 100m**



Max FlexLiner™

DIAMETER RANGES FROM 4" TO 6" | DN100 - DN150

Max FlexLiner™ is a non-woven, needle-punched polyester fibre felt with a PVC coating. Tube forming and seam bonding are achieved through a specially designed stitched skived seam and extruded taped joint and/or an overlocking chain stitched sewn process — creating a superior, high-performance impermeable liner designed for sweeping bends and very minimal stretch.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Closed-End ideal for straight piping applications with minimal stretch.**
- **May be used on sweeping bends up to 45° with slight wrinkling.**
- **Manufactured transitional liners and custom sizes are available.**
- **Thickness Range: 3mm**
- **50m and 100m lengths**
- **Custom transitions and longer lengths available**



VERSATILITY

DURABILITY

Flexible Liners

MaxLiner's Flexible Liner series is designed for versatility, precision, and performance in small diameter CIPP applications. Whether you need to navigate 90° bends, transition across multiple diameters, or line straight piping with minimal stretch, **our flexible liners are engineered to meet the challenge.** With durable PU or PVC coatings, custom sizing options, and compatibility with MaxPox resins, **these liners deliver smooth installations and long-term reliability** no matter how complex the pipe run.

APPLICATIONS

- **Open-End**
- **Closed-End**
- **Pipes with Transitions**
- **Pipes with Bends**

FEATURES & BENEFITS

- Non-Woven, Versatile Liner
- 3" & Greater
- Navigates Sweeping Bends To 90°
- Extreme Transitions



MaxFlex S

POLYURETHANE COATED FELT LINER 3MM

Polyester fibre single-layer flexible Liner with polyurethane coating custom sized for pipe rehabilitation manufactured in accordance with ISO 9001:2015.

DETAILS

- **Best suited for eversion and/or drag-in**
- **Stitched seam**
- **Thickness: 3mm**
- **Stock lengths: 50m - 100m**



Max Flex 4D™

DIAMETER RANGES FROM 3" TO 10" | DN75 - DN250

Max FLEX 4D™ is a non-woven, needle-punched PE felt liner with a unique elastic and impermeable PU coating. This specially designed stitched skived seam and extruded taped joint make it capable of transitioning up to four diameters (4D) while maintaining finished thickness and negotiating bends up to 90°.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Closed-End**
- **For transitioning sizes / change in diameter**
- **May be used on sweeping bends up to 90° with slight wrinkling**
- **Thickness Range: 4.5mm**
- **3" expands to 4", 4" expands to 6", 6" expands to 8", 8" expands to 10"**
- **50m and 100m lengths**
- **Custom longer lengths available**



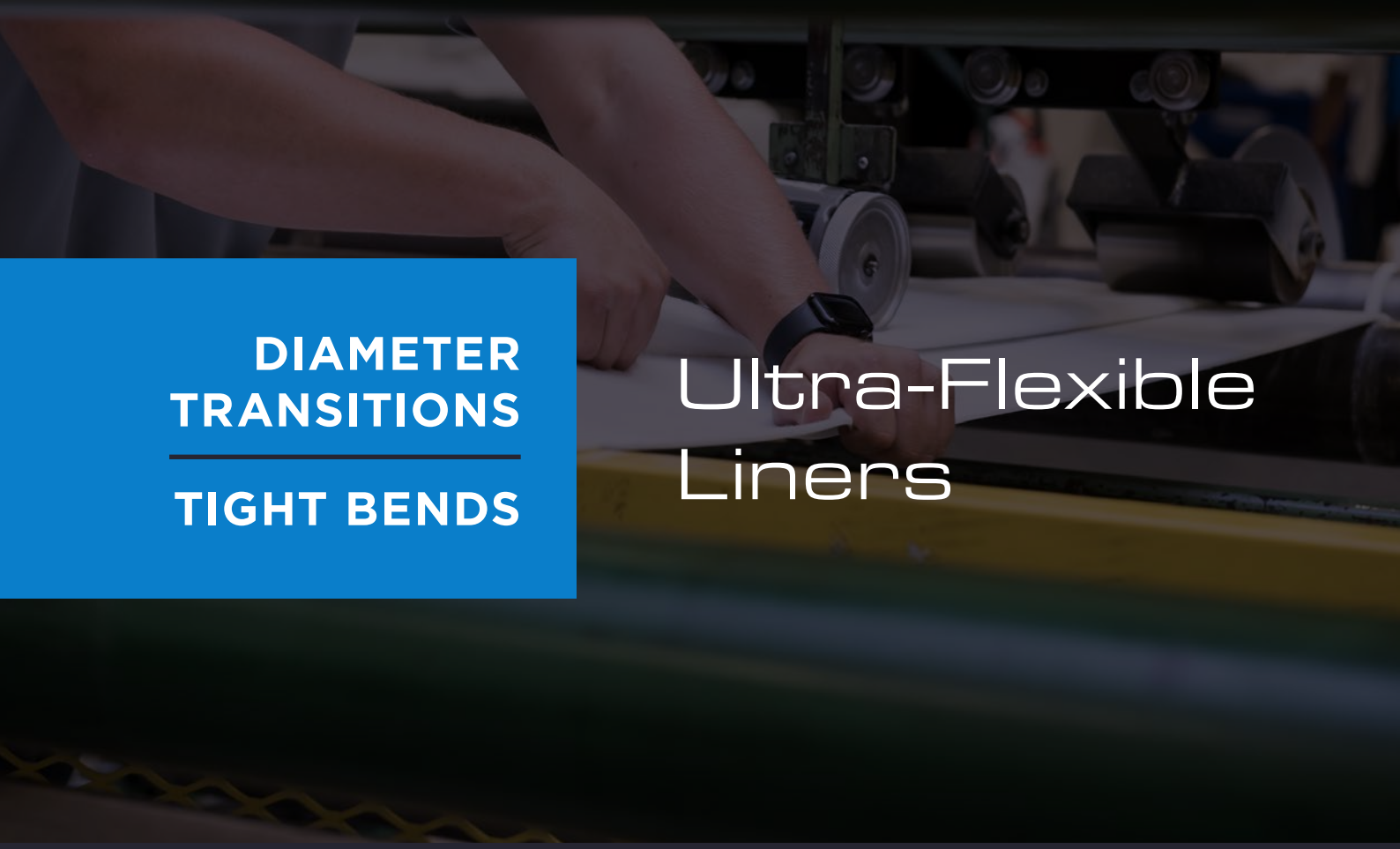
Max SuperFlex™

DIAMETER RANGES FROM 2" TO 12" | DN50 - DN300

Max SuperFlex™ is a non-woven, needle punched PE felt liner, uniquely bonded to an impermeable PU coating. Tube forming and seam bonding are achieved through a specially designed overlocking chain stitched sewn process and extruded taped seam. This highly flexible liner is capable of navigating multiple bends up to 90° and single-diameter transitions.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Closed-End**
- **Pull-in-Place**
- **Ideal for sweeping bends up to 90°**
- **Manufactured transitions and custom sizes are available**
- **Thickness Range: 2mm and 4.5mm**
- **50m and 100m lengths**
- **Custom longer lengths available**



DIAMETER TRANSITIONS

TIGHT BENDS

Ultra-Flexible Liners

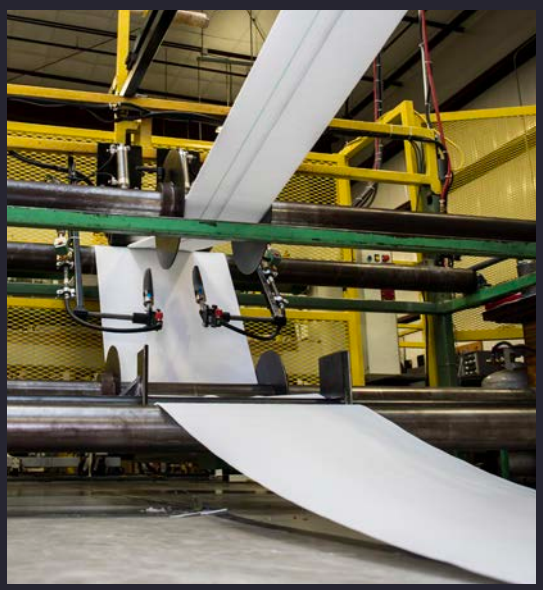
High-strength liners designed for diameter transitions and tight bends. Our Ultra-Flexible Liners are circular-knitted, using polyester and elastomeric yarns, making them ideal for troublesome lateral connections when there is a need to transition several diameters or navigate bends up to 90°.

APPLICATIONS

- **Sewer Laterals**
- **Mainline Sewers Up to 8"**
- **Pull-in-Place Method**

FEATURES & BENEFITS

- Exceptional Strength
- Navigate Bends Up to 90°
- Easily Transition Changes in Diameter





Max WovoLiner®

DIAMETER RANGES FROM 3" TO 8" | DN75 - DN200

An ultra-flexible liner bonded to a seamless impermeable PU coating. The circular-knitted construction of polyester and elastomeric yarns make it ideal for lining around multiple bends up to 90°.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Close-End**
- **Pull-in-Place**
- **Multiple bends up to 90°**
- **Thickness Range: 2.5mm and 3.5mm**
- **3" expands to 4", 4" expands to 6", 6" expands to 8"**
- **50m and 100m lengths**
- **Custom longer lengths available**



Max WovoX®

DIAMETER RANGES FROM 3" TO 8" | DN75 - DN200

An ultra-flexible, extensible liner bonded to a seamless impermeable PU coating. The circular-knitted construction of polyester and elastomeric yarns make it ideal for transitioning several diameters and lining around multiple bends up to 90°.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Close-End**
- **Pull-in-Place**
- **Transitioning sizes / change in several diameters**
- **Multiple bends up to 90°**
- **Thickness Range: 2.5mm and 3.5mm**
- **3" expands to 4", 4" expands to 6", 6" expands to 8"**
- **50m and 100m lengths**



WovoGlass™

DIAMETER RANGES FROM 3" TO 8" | DN75 - DN200

WovoGlass™ is an ultra-flexible liner, uniquely bonded to a seamless impermeable polyurethane coating which is 3x stronger than traditional liners. The circular-knitted construction of polyester and extensible fibreglass reinforcement makes it ideal for transitioning several pipe diameters and lining around multiple bends up to 90°. This liner is manufactured in accordance with ISO 9001:2015.

DETAILS

- **Open-End (Blindshot) with Calibration Tube**
- **Close-End**
- **Pull-in-Place**
- **Transitioning sizes / change in several diameters**
- **Multiple bends up to 90° and 3x stronger than traditional lateral liners**
- **Thickness Range: 3.5mm**
- **50m and 100m lengths**
- **Custom longer lengths available**



ULTRA-FLEXIBLE
LIGHT-DUTY

Calibration Tubes

MaxLiner® Calibration Tubes are **ultra-flexible, light duty PE fabric with PVC coating.** The Calibration Tubes help keep liners tightly pressed against the host pipe during the curing process.

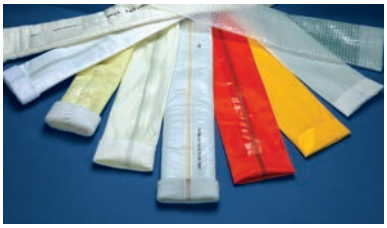
APPLICATIONS

- **Open-End Liner (Blind-Shot)**
- **Pull-in-Place**
- **Hot Water, Hot Air, LED Light, Steam & Ambient Cure**

FEATURES & BENEFITS

- Ultra-Flexible
- Clear Tube for LED Light Cure
- Single Stage Inversion with Liner
- Guide Tube









Max CalTube® (HF)

DIAMETER RANGES FROM 4" TO 8" | DN100 - DN200

Max CalTube® (HF) is ultra-flexible, light duty PE fabric with PVC coating and a high-frequency-welded overlap seam for keeping the liner tightly pressed against the host pipe during the curing process. For use in Open-End liner (Blind-Shot) and Pull-in-Place applications.

Types Available:

- HF – Green
- HF – Violet





Max CalTube® - Stitched

DIAMETER RANGES FROM 4" TO 12" | DN100 - DN300

Max CalTube® – Stitched is a flexible PE fabric that is PVC coated with a triple linear stitch and overlapped taped seam. For use in Open-End liner (Blindshot) and Pull-in-Place applications to keep the liner tightly pressed against the host pipe during the curing process.

Applications:

- Two-stage open-ended (Blindshot) inverted liner and Pull-in-Place
- Hot water, hot air, LED light, steam and ambient cure
- Clear tube for LED light cure and single-stage inversion with liner
- Guide Tube
- Stitched – Clear
- Stitched – Orange
- Stitched – Blue
- Stitched – White
- We offer larger sizes on custom orders



COMPREHENSIVE PORTFOLIO

END-TO-END COVERAGE

Parts & Accessories

MaxLiner provides a **comprehensive portfolio of parts and accessories** that support any lining project through to complete installation.

APPLICATIONS

- **MaxLiner Inversion Equipment**
- **SpeedyLight**
- **Dancutter**
- **Picote Hathorn**

FEATURES & BENEFITS

- Extensive Inventory
- Ready for Immediate Shipment
- After-Sales Support















General Consumables & Accessories

MaxLiner provides all of the parts and accessories you need to help you adapt to every type of installation, while keeping your hard-working MaxLiner System in shape to tackle even the toughest CIPP lining jobs.



Training

NEW CUSTOMERS

REFRESHER COURSES

Looking to **sharpen your team's skills** and get more out of your MaxLiner equipment? Connect with us for our world-class training team to meet you at your facility or work site.

Our expert field team is here to support you with **tailored sessions that fit your needs,** experience level, and schedule.

GENERAL INFO

- **Group training is encouraged (call for details)**
- **Training can be customised**
- **Field training rates include travel expenses**

FEATURES & BENEFITS

- Programmes Include Refreshments, Lunch, & Training Certificate
- Hands-On Techniques
- Contractor-Selected Courses
- Learn Fundamentals Needed for the Field





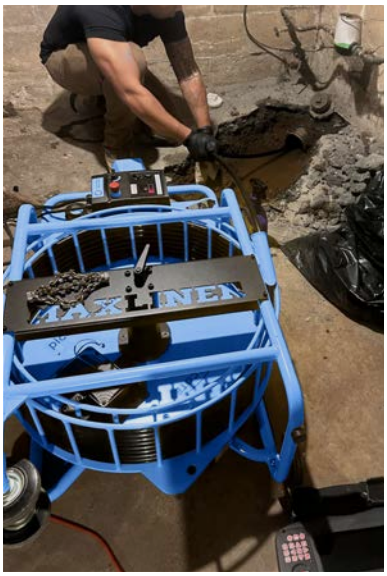


MaxLiner® Certified CIPP Installer Programme

Become a Certified CIPP Installer with hands-on training built around the MaxLiner system. Gain confidence in pipe rehabilitation techniques and best practices while learning the fundamentals needed to deliver consistent, high-quality results in the field. This training covers ambient, hot water, and LED-cured operations.

Details:

- Group size is limited to 4 people without prior approval from MaxLiner.
- Programmes include refreshments, lunch, and training certificate.
- Training can be customised.



Picote Advanced Training Programme

An expanded programme building on basic training, covering key pipe rehabilitation techniques. Includes hands-on descaling, pipe preparation, and contractor-selected training in robotic cutting or brush casting, with an optional third day for both. Contact us to join our Picote advanced training course!

Details:

- Group size is limited to 4 people without prior approval from MaxLiner.
- Programmes include refreshments, lunch, and training certificate.
- Training can be customised.



Resins

EASE OF HANDLING

OPTIMUM PERFORMANCE

MaxLiner has curated a **complete line of resins designed for ease of handling and optimum performance.** Each resin is formulated to work in conjunction with our extensive family of liners for vertical and lateral applications, using ambient, heat, or UV cure systems. We've got you covered for all your small diameter lining resin system needs.

APPLICATIONS

- **Industrial, Municipal, & Commercial Applications**

FEATURES & BENEFITS

- 100% Solids Epoxies Containing Zero VOCs or Styrene
- Superior Elongation
- Excellent Adhesion & Bonding
- Efficient & Effective Impregnation
- Quick Setting







EPOXY SYSTEMS

MaxPox® (Epoxy Based)

MaxPox Resin 4:1:
Two-part, 100% solids epoxy base resin used with the MaxPox Hardeners. MaxPox base resin has an ultra-low odour, zero VOCs, and is Styrene-free.
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg

MaxPox 4:1 Hardeners:
- **MaxPox 30** – A 30-minute working time hardener exclusively used with the MaxPox Resin base.
  - Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
  - Ideal for short-length, small-diameter installations
  - Elevated ambient cure physical properties
- **MaxPox 60** – A 60-minute working time hardener exclusively used with the MaxPox Resin base.
  - Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
  - Ideal for small and medium diameter installations
  - Recommended to be force cured with heat
  - Ambient cure
- **MaxPox 180** – A 180-minute working time hardener exclusively used with the MaxPox Resin base.
  - Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
  - Ideal for small and medium diameter installations where an extended working time is needed
  - Recommended to be force cured with heat
  - Not suitable for ambient cure

MaxPox Resin 2:1:
Two-part, 100% solids epoxy base resin used with the MaxPox Hardeners. MaxPox base resin has an ultra-low odour, zero VOCs, and are Styrene-free.
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg

MaxPox 2:1 Hardeners:
- **MaxPox 30** – A 30-minute working time hardener exclusively used with the MaxPox Resin base.
  - Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
  - Ideal for short length small diameter installations
  - Elevated ambient cure physical properties
- **MaxPox 60** – A 60-minute working time hardener exclusively used with the MaxPox Resin base.
  - Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
  - Ideal for small and medium diameter installations
  - Recommended to be force cured with heat
  - Ambient cure



POLYSTER RESINS

Max UP Ambient Cure

Max UP resin is a high molecular weight isophthalic/unsaturated polyester resin. Max UP provides the corrosion resistance, durability and toughness that is required for Cured-in-Place pipe applications.

Details:
- Ambient cure
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Excellent catalyzed pot life
- Excellent mechanical properties
- High molecular weight
- High viscosity version





VERTICAL APPLICATION RESINS

Max VertiPox® Family

VertiPox 3:1 Resin:
Two-part, 100% solids epoxy base resin used exclusively with VertiPox Hardeners uniquely formulated for vertical piping and in-building applications. VertiPox base resin has ultra-low-odour, zero VOCs, and is Styrene-free.

- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Specifically designed for vertical application
- Thicker viscosity for less resin slugging
- Hot Water, Hot Air, Steam or Ambient curing

VertiPox 30:
A 30-minute working time hardener exclusively used with the Max VertiPox Resin base. Ideal for short lengths.

- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Small diameter installations
- Elevated ambient cure physical properties

VertiPox 60:
A 60-minute working time hardener exclusively used with the Max VertiPox Resin base. Ideal for short length.

- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Small diameter installations
- Elevated ambient cure physical properties



VINYL ESTER RESINS

MaxPox® VE

MaxPox® VE is a corrosion-resistant epoxy vinyl ester resin designed for Cured-in-Place pipe (CIPP) applications. Engineered for ambient curing, it provides strong performance and durability in demanding pipe rehabilitation environments.

Its corrosion resistance is comparable to CORVE8100. CORVE8190 is LA Greenbook approved, providing an option for applications requiring compliance with Los Angeles Greenbook specifications. Specific testing data and corrosion recommendations are available upon request.

- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg

FEATURES

- Moderate Composite Exotherm
- Good Fibreglass Impregnation
- Tested Under ASTM D2990 for Flexural Modulus Creep

BENEFITS

- Resistant to distortion during cure cycle
- High composite physical properties
- Retains structural integrity under load in severe conditions







UV/LED RESINS

MaxLight® UV Family

MaxLight UV Resin:
Single-component resin formulated to cure with UV LED light that offers excellent mechanical properties and chemical resistance.

DETAILS
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- No waste
- Compatible with ALL MaxLiner liners
- No Styrene, ultra-low odor

MaxLight+ UV Resin System:
Single-component, ultra-clear acrylate-modified epoxy resin that is LED light curable and exhibits excellent adhesion to most structural materials with faster cure speeds.

DETAILS
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- 40% faster cure rate
- No Styrene, ultra-low odor
- Superior chemical properties
- More chemical resistance
- Higher heat deflection temperature

Max UVVE

Styrene-free Vinyl ester resin for UV cure CIPP, relining of laterals and house connections.

DETAILS
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Highly thixotropic Styrene-free vinyl ester resin
- The resin can be cured by UV light



SILICATE RESINS

MaxLight® EA

The MaxLight EA Resin System is a light-curable epoxy acrylate formulation specifically engineered for Cured-in-Place pipe (CIPP) rehabilitation applications. MaxLight EA exhibits excellent adhesion to structural materials and provides superior corrosion resistance to municipal sewage, acids, and alkalis commonly found in drain, sewer, and commercial wastewater environments.

DETAILS
- Tins: 25 kg, Drum: 200/225 kg, IBC: 1,000 kg
- Single-component formulation
- Superior adhesion to pipe materials
- Designed specifically for CIPP applications
- Environmental compliance (non-hazmat at ≤5L)







EVERYTHING YOU NEED. ONE SOURCE.









MAXLINER®

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