

APS

— AUSTRALIAN —
PIPELINING SUPPLIES

PRODUCT CATALOGUE



Brawoliner
SACPRO
www.sacpro.se

PICOTE
LIFE FOR PIPES

sanikom
WORLD OF PIPE REPAIR

Hürke.
Kompetenz in Rohr und Kanal.

1300 277 111
www.pipelining supplies.com.au

ABOUT AUSTRALIAN PIPELINING SUPPLIES

Australian Pipelining Supplies is the number one supplier in Australia and New Zealand of the world's leading relining technology, including the Brawoliner® system.

With an experienced team of pipe rehabilitation experts, and proven success in millions of dollars of client relining projects across Australia, we can help get your business ready to provide drain and sewer pipe relining.

We have invested heavily in local research and development to provide not only the best in global technology, but to provide the right technology for Australian conditions and the local marketplace.

The result is a solution for almost every application. Whether you are seeking to provide inversion, a patch repair or even junction repair, APS has the answer.

A keystone of our approach is our commitment to providing a complete solution to our clients. That means providing Australia's leading relining training and education program, to show you and your technicians how to reline and avoid issues, as well as on-going support by both phone and even on-site assistance.

For all of your relining needs, our clients know they can count on Australian Pipelining Supplies for fast supplies, the best technology and systems and comprehensive training and support.

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Straight Transition Packers

Perfect for undertaking repairs within straight sections of pipe.

- Packer Lengths available - 1m to 3m

50mm Straight Packer 1m	CODE	APS-001-009
100/150mm Straight Transition Packer 1m	CODE	APS-001-025
100/150mm Straight Transition Packer 1.5m	CODE	APS-001-026
100/150mm Straight Transition Packer 3m	CODE	APS-001-027
100/150mm Straight Transition Packer 5m	CODE	APS-001-028



Bendy Packers

Suitable for undertaking repairs in either straight sections of pipe or bends up to 90 degrees.

- Packer Lengths available - 1m to 2m

100mm Bendy Packer 1m	CODE	APS-001-009
100mm Bendy Packer 2m	CODE	APS-001-025
150mm Bendy Packer 1m	CODE	APS-001-026
150mm Bendy Packer 2m	CODE	APS-001-027
150/225mm Bendy Packer 2m	CODE	APS-001-032
225/300mm Bendy Packer 1.5m	CODE	APS-001-032



Multi Bend Packers - Small

Perfect for multiple bend offsets, earthenware floor wastes and boundary traps. Also great for undertaking difficult access repairs.

- Packer Lengths available - 1.2m to 2m

50mm Multi Bend Packer	CODE	APS-001-010
80/100mm Gully Packer Special 1.2m	CODE	APS-001-020
80/100mm Gully Packer Special 2m	CODE	APS-001-021
Trap Leader With Spring	CODE	APS-001-022



Multi Bend Packers Large

Multi Bend Packers.

Perfect for multiple bend offsets, also suitable for repairing earthenware boundary traps.



100mm Multi Bend Packer 2m	CODE	APS-001-014
100mm Multi Bend Packer 3m	CODE	APS-001-015
150mm Multi Bend Packer 2m	CODE	APS-001-018
150mm Multi Bend Packer 3m	CODE	APS-001-019
100/150mm Multi Bend Packer 1.2m	CODE	APS-001-029
100/150mm Multi Bend Packer 2m	CODE	APS-001-030
100/150mm Multi Bend Packer 3m	CODE	APS-001-031
150/200mm Multi Bend Packer 2m RED	CODE	APS-001-032
Trap Leader With Spring	CODE	APS-001-022

Large Bore Packers

Large Bore Packer 150/225mm with Flow Through & Wheels	CODE	APS-001-035
Large Bore Packer 300/400mm with Flow Through & Wheels	CODE	APS-001-036
Large Bore Packer 450/600mm with Flow Through & Wheels	CODE	APS-001-037
Large Bore Packer 600/800mm with Flow Through & Wheels	CODE	APS-001-038

Multi Dimensional Packers (HD)

A range of multidimensional packers for straight length connection repairs.

30-100mm Multi Dimensional Packer 1000mm	CODE	APS-001-061
50-150mm Multi Dimensional Packer 1500mm	CODE	APS-001-062
100-250mm Multi Dimensional Packer 1000mm	CODE	APS-001-063
200-500mm Multi Dimensional Packer 1500mm	CODE	APS-001-064

Other lengths up to 5000mm available on request.





Patch Repair Lining

Repair damaged sections of pipe without the need to excavate. Patch repair lining is an easy cost effective way to enter into the pipe relining industry.

Packers available in varied lengths to suit your application. Various resins are also available to suit your application.

Training is supplied with all patch kits to ensure you get the absolute best results out of your investment.

- Great entry level into Pipe Relining
- Eliminates the need to dig or excavate landscaping
- Ideal for repairing small sections of pipe



**TRAINING
INCLUDED**

Patching Accessories

A large number of patching accessories and spare parts are carried in stock.

- Designed for fast turn around to help keep you on the job.

Rubber Bands - Size 33 - Small Bag	CODE	APS-001-044
Rubber Bands - Size 33 - Large Bag	CODE	APS-001-045
Plastic Roll	CODE	APS-001-046
Tub of Silicone Grease	CODE	APS-001-047
Disposable Gloves	CODE	APS-001-048



Liner

Australian Pipelining Supplies promote the use of the Brawoliner one piece woven liner for patch repairs. Brawoliner provides a much smoother result through bends and cleaner transitions between the relined sections of pipe and the original host pipe.

50mm Brawoliner	CODE	APS-003-006
70/80mm Brawoliner	CODE	APS-003-009
70/100mm Brawoliner	CODE	APS-003-010
100mm Brawoliner	CODE	APS-003-012
100mm Brawoliner XT	CODE	APS-003-0033
125mm Brawoliner XT	CODE	APS-003-015
150mm Brawoliner	CODE	APS-003-017
150mm Brawoliner XT	CODE	APS-003-020
100/150mm Brawoliner 3D	CODE	APS-003-021
150/200mm Brawoliner 3D	CODE	APS-003-023
200/250mm Brawoliner	CODE	APS-003-025
200/250mm Brawoliner XT	CODE	APS-003-027
100mm Brawoliner HT	CODE	APS-003-014
150mm Brawoliner HT	CODE	APS-003-019
100mm Brawoliner HT XT	CODE	APS-003-030



Clear Packer Tube

Designed to protect your packer from coming in contact with resin.

- Made from a hi slip, hi impact plastic.

50mm Clear Packer Tube - Metre	CODE	APS-001-039
100mm Clear Packer Tube 5kg	CODE	APS-001-040
150mm Clear Packer Tube 5kg	CODE	APS-001-042
225mm Clear Packer Tube 5kg	CODE	APS-001-065



Resin

Australian Pipelining Supplies are able to provide you with a resin to suit most applications.

Standard Winter Silicate Patch Resin

Supplied in pre-measured bottles for ease and convenience.

- Supplied in box quantities of 5 sets (1 set will do a 1m patch)
- Also available in bulk kits of 40.5kg
- Work Time 15mins - Cure time 1.5hrs @ 20°C



Summer Silicate Resin

Silicate resin also supplied in Summer configuration for a longer work time.

- Supplied in box quantities of 5 sets (1 set will do a 1m patch)
- Available in bulk kits of 40.5kg
- Work Time 35mins - Cure time 4hrs @ 20°C

Brawoliner Epoxy Resin

- Available in either small 1.5kg tins or 10kg drums

Fast Cure RR Resin

- Work Time 12mins - Cure time 4.5hrs

Brawo 1

- Work Time 35mins - Cure time 15hrs

100mm Silicate Resin A&B Set (Winter)	CODE	APS-002-005
150mm Silicate Resin A&B Set (Winter)	CODE	APS-002-006
Brawo RR Resin 1.5kg	CODE	APS-002-004
Brawo 1 Resin 1.5kg	CODE	APS-002-003
Silicate Resin Set 40.5kg (Winter)	CODE	APS-002-009
Silicate Resin Set 40.5kg (Summer)	CODE	APS-002-008

Patching Regulator & Air Hoses Including Fittings

Used for accurate inflation of the packers.
Pressure relief valve included to ensure internal packer pressure is maintained.

Replacement hose assemblies including the associated fittings.

CODE	APS-001-003
CODE	APS-001-005



Lubrication Spray System

This tool will allow you to spray lubricant on demand onto your liner before installation.
Simply fill the container with lubrication fluid (soapy water, oil) and compressed air.

NB: May require modifications be made to your existing inversion nozzles.

CODE	APS-000-066
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By Pass Plug

100mm stack bypass plug.

Designed to divert water from a stack to allow work downstream to continue.

CODE	APS-000-051
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Packer Inflation Push Rods

Available in 2 configurations.
Standard Flex and APS Super Flex.

- Available in std. length 1.5m.

Standard Flex Push Rod 1.5m	CODE	APS-001-006
APS Super Flex Push Rod 1.5m	CODE	APS-001-007





Patch Repair Kits

Australian Pipelining Supplies are able to supply you with a complete patch repair kit customised to suit your business and the style of repairs that you are required to undertake.

From a basic entry level 100mm patch kit through to a complete 100 and 150mm combination patch kit.

Training

Australian Pipelining Supplies believe strongly in ensuring that you achieve the maximum benefit out of the equipment you purchase. Training and ongoing support is provided with all equipment purchases and can be customised to suit your individual business requirements.



**TRAINING
INCLUDED**



Advantages & Technical Highlights of the BRAWO Inversion Drum

- 1 Drum axle with water connection**
Easy filling of the liner with water without the need to open the drum.
In-built water output on the underside to generate circulation.
- 2 Hose connection in the drum axle**
- 3 Inversion opening can be swivelled or adjusted in height**
- 4 Pressure control on the rear of the drum**
Enables precise regulation of the inversion and holding pressure.
- 5 Solid base construction with rollers**
For safe and simple transport.
- 6 Large hand wheel**
For regulating the inversion speed.



BRAWOLINER Drum Capacity Chart

NAME	WEIGHT	L x W x H (cm)	DN 100 */**	DN 150 */**
Micro DN 350	Approx. 27kg	55 x 50 x 70	12m / 8m	8m / 6m
Micro DN 500	Approx. 33kg	70 x 50 x 87	20m / 16m	13m / 10m
Micro DN 600	Approx. 46kg	90 x 50 x 90	33m / 28m	25m / 22m
DN 700 UL	Approx. 50kg	110 x 70 x 105	72m / 56m	48m / 37m
DN 800	Approx. 79kg	125 x 70 x 115	100m / 78m	65m / 47m
DN 800 XL	Approx. 95kg	125 x 87 x 115	124m / 94m	84m / 63m

* Max. inversion length of liner

** Max inversion length of liner + water hose, 3/4"

BRAWO Inversion Drums

The liner can only conform to the pipe wall when it is inverted with a constant and uniform pressure. BRAWOLINER offers professional high quality inversion drums. The best stainless steel, high-quality workmanship and clever design enable an optimal result and professional operation over the long-term.

BRAWO Micro Drum 350mm & 500mm

With the BRAWO Drums Micro DN 350 and 500 BRAWOLINER offers two compact and easily transportable inversion drums. They combine the advantages of the proven BRAWOLINER inversion drum with maximum mobility.

- 180-degree swivel inversion opening, ideal for horizontal and vertical inversion
- Inversion with air – curing with water or steam
- Hand wheel for optimal control of the inversion
- Pressure control directly to the drum
- Compatible with BRAWO SteamBox L and BRAWO HotBox
- Water/Steam connection with the drum axis allows filling the liner with no pressure loss
- Interior illuminated drum
- Compatible with the accessories of the standard drum



CODE	APS-000-023
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BRAWO Micro Drum 600mm

This drum offers great capacity with the lowest weight.

Compact and lightweight

- Ideal for long rehabilitation sections inside buildings

Inversion angle can be swivelled or adjusted in height.

Hand wheel

- For regulating the inversion speed

Large viewing window

- Optical control during the inversion

Handle on the inversion drum

- Helpful lifting handle for better transport
- Fast and easy fix

Solid base construction with pneumatic tyres

- For safe and simple transport



CODE

APS-000-020

BRAWOLINER Inversion 700 UL

The lightest 700 mm stainless steel drum on the market

Weighing Approximately 50kg, the BRAWO Inversion drum 700 UL can be easily transported and also offers the unmatched benefits of a robust stainless steel drum.

Lightweight and durable

The weight reduction of the BRAWO Inversion drum 700 UL has been achieved without any functional reductions.

Our latest lightweight and durable inversion drum is built to the same high quality standard that is expected from BRAWOLINER.

Lightweight and durable

- Easily transported
- Robust stainless steel drum

Drum axle with water connection

- Easy filling of the liner with water without the need to open the drum
- Output on the underside for water circulation

Pressure control on the rear of the drum

- Enables precise regulation of the inversion and holding pressures

Inversion angle can be swivelled or adjusted in height



CODE APS-000-021

BRAWO Drum 800mm & 800 XL

Universal drums with maximum capacity for long renovation sections

The BRAWO Drums DN 800 and 800 XL are made of stainless steel.

Compact

- Ideal for long rehabilitation sections

Adjusted inversion opening

- Ideal for vertical inversion

Drum axle with water connection

- Easy filling of the liner with water without the need to open the drum
- Output on the underside for water circulation

Large viewing window

- Optical control during the inversion

Solid base construction with pneumatic tyres

- For safe and simple transport

Large hand wheel

- For regulating the inversion speed

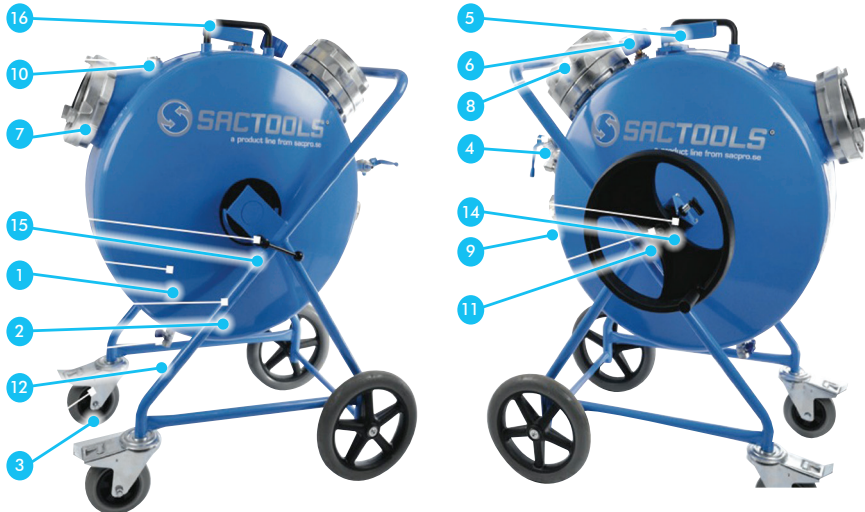


Brawoliner 800 Inversion Drum	CODE	APS-000-065
Brawoliner 800 XL Inversion Drum	CODE	APS-000-052

Designed For The User

The Inversion drum is made of aluminium for maximum strength combined with low weight. A sturdy but lightweight steel frame keeps the Extruder stable during use. The wheels are large and makes it easy to move and the big wheel handle gives the user maximum control over the installation. Large sight glasses provide a good overview into the pressure vessel during work.

The placements of the pressure gauge and compressed air connections are tested for maximum availability.



- 1 Vessels
- 2 Frame with handles (not 350)
- 3 Swivel castors with a brake (not 350)
- 4 Compressed air connections
- 5 Safety-Valve
- 6 Pressure gauge
- 7 Nose with Storz connection
- 8 Sight glass for monitoring (not 350)
- 9 Sight glass for lighting (not 350)
- 10 Connection for Sactools spray system, see accessories
- 11 Connection inlet of hot water for recirculation (not 350), see accessories
- 12 Connection for hot water outlet for recirculation (not 350), see accessories
- 13 Handle wheel for centre axle
- 14 Centre axle latch
- 15 Latch for the drum rotation adjustment (not 350)
- 16 Handle for the drum rotation adjustment (not 350)
- 17 Carrying Handle (only 350)

Sactools Lightweight & Compact Inversion

SACTOOLS EXTRUDERS are inversion drums designed for installation of flexible liners for pipes in sizes 50mm to 250mm. The design and the low weight means that they are very well suited for installations inside buildings. Sactools Extruders are available in four different sizes to meet all needs. We have invested a lot of effort in the development to ensure that the user gets the best possible equipment.

Sactools Extruder 350

Inversion drum that can hold approx 9m of impregnated 150mm liner. Storz 6" Connection. Weight 13kg. Length 55cm, width 40cm, height 50cm.

CODE APS-000-015



Sactools Extruder 500

Inversion drum that can hold approx 18m of impregnated 150mm liner. Storz 6" Connection. Weight 35kg including frame and wheels. 360° rotation. Length 86cm, width 63cm, height 101cm. Prepared for water circulation & spray lubrication.

CODE APS-000-016



Sactools Extruder 500

Inversion drum that can hold approx 38m of impregnated 150mm liner. Storz 6" Connection. Weight 48kg including frame and wheels. 360° rotation. Length 91 cm, width 63cm, height 118cm. Prepared for water circulation & spray lubrication.

CODE APS-000-017



Sactools Extruder 900

Inversion drum that can hold approx 50m of impregnated 225mm liner. Storz 6" Connection. Weight 80kg including frame and wheels. 360° rotation. Length 120cm, width 82cm, height 128cm. Prepared for water circulation & spray lubrication.

CODE APS-000-018



Accessories - Inversion Pipes

- Stainless steel
- Straight and bent
- Coupling Storz F-150 and A-110
- Diameters (mm) 50, 70, 100/120, 150, 200



Accessories - Inversion Hoses

APS offers inversion hoses for flexible extension of the inversion pipes.

- Pressure and temperature resistant
- Lengths 0.5m, 1m, 2m, 3m,
- Different lengths possible



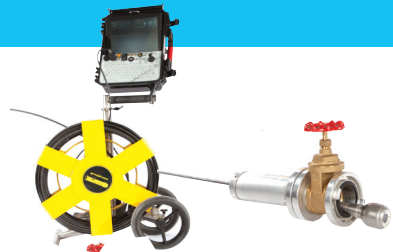
Accessories - Retaining Strap

Sturdy flat cord for control and secure regulation of the inversion speed.



Accessories - Camera Gate

The camera gate can be used during the curing process to visually check the renovation results without any loss of pressure.



Accessories - Blind Coupling F150 (Water)

If several liners need closing off, the use of a blind coupling is recommended.

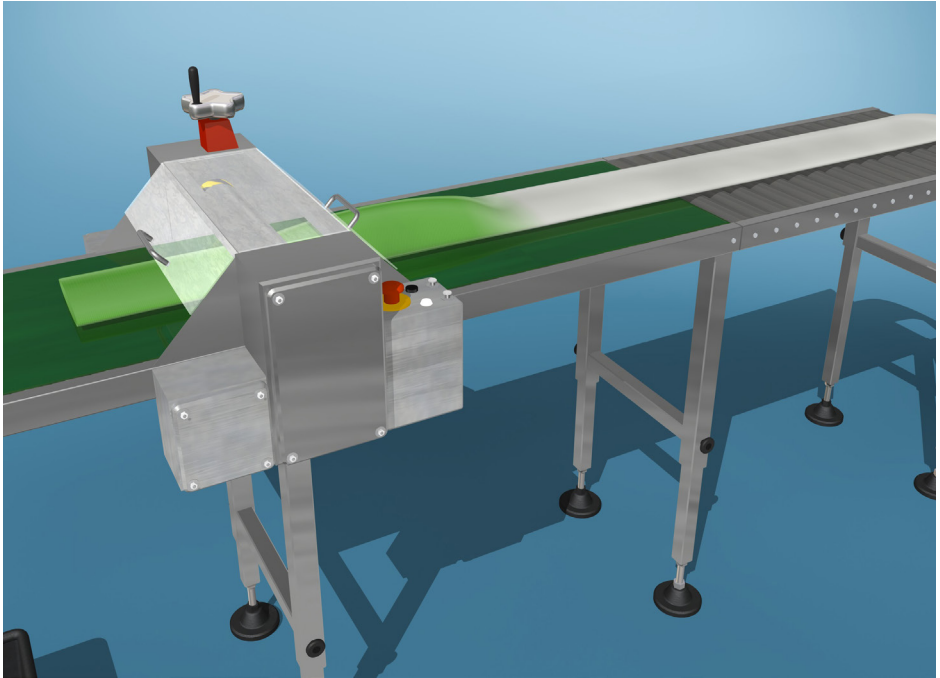
This makes it possible to separate the pressure drum after inversion from the inversion bend and maintain the liner under pressure until it has completed curing

- 2 connections for air/water



BRAWO Impregnation Systems

A protective and good impregnation is an essential success factor for a high quality renovation. BRAWOLINER offers you particularly functional equipment for this purpose:



Vacuum Pump

A vacuum pump facilitates impregnation and significantly reduces the danger of air inclusions.

- Powerful pump for rapid evacuation of air
- 4m vacuum hose with suction device
- Wall mounting bracket or carrying handle



CODE APS-000-004

Sactools Manual Impregnation Unit

The Sactools Manual impregnation rollers are a lightweight alternative to a truck mounted electric version. The unit evenly distributes and impregnates epoxy resin in flexible liners.

The manual impregnation unit rollers are operated simply by rotating the wheel. Height adjustment or distance between the rollers is adjusted by releasing the locking lever and lifting or lowering the adjustment lever.

Can be supplied with a tripod to lift the impregnation unit to a specified height, or easily bench mounted.



Manual Rollers	CODE	APS-000-006
Tripod	CODE	APS-000-007

BRAWO Manual Impregnation Table

The manual impregnation system is a good starter solution. The mobile unit can be easily transported and set up in-house or on industrial sites directly at the working area. Ideal for short renovation sections.

- Mobile impregnation system with foldable legs
- Economically transported and easy to store
- Manually driven by crank handle
- Adjustable roller distance



Technical Data Manual

Belt Length	2050mm
Belt Width:	380mm, designed for liner max. DN 225
	480mm, designed for liner max. DN 300
Working Height:	Approx. 860mm, Table gradient approximately 6°
Weight:	50kg

CODE	APS-000-005
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BRAWO Electrical Impregnation Plant

The electrical impregnation plant enables a protective and even impregnation of the liner, with the epoxy resin, without any over-stretching of the lining material. Due to its exact adjustable roller distance, indicated with a digital display, an even wall thickness of the liner can be controlled throughout its complete length. Furthermore it is possible to control the speed and direction of the rollers and the conveyor belt. This makes it easier to impregnate long lengths of liners.

Advantages of the Electronic Impregnation System

- Stepless regulation of the roller spacing with digital display
- Electrical belt drive (forward and reverse)
- Rollers driven synchronously
- Roller speed stepless regulation
- Pull-out roller belt for extending the working area



Technical Data Electrical

Belt Length:	3000mm
Roller Belt:	2500mm
Belt Width:	400mm, for liners up to DN 250
	500mm, for liners up to DN 300
Working Height:	Approx. 800mm up to 1000mm

Electronic Impregnation Table - Brawoliner 400mm	CODE	APS-000-009
Electronic Impregnation Table - Brawoliner 500mm	CODE	APS-000-010

Sactools Automatic Impregnation Unit

Safe and Easy Impregnation

Sactools impregnation unit, is as all the equipment in the Sactools product line, is user-friendly and safe. The unit is ideal for mounting on a workbench in a mobile workstation, or comes with an option of a foldable stand.

A conveyor belt feeds the liner forward in between the adjustable rollers.

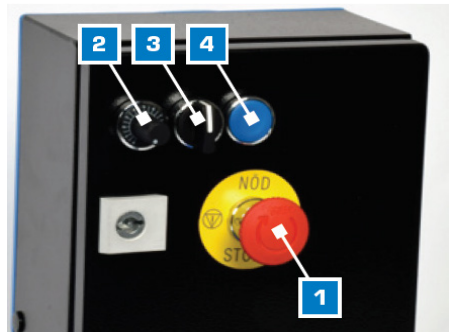
When releasing the upper roller the distance between the rollers can easily be adjusted and the liner can also be released.

The control of forward and reverse can be done in two ways, continuous drive or manual drive. It has an emergency stop button and pinch protection made of plexiglas that switches off all electrical functions.

- Adjustable Speed
- Roll width is 48cm
- Plexiglas pinch protection
- Emergency stop
- Operates at 240 Volts
- Continuous drive or manual drive
- Adjustable rollers with a manual display
- Weight 60kg (excluding stand)
- Length 95cm
- Width 62cm
- Heights 45cm or 135cm including stand



- 1 Emergency Stop
- 2 Speed Control
- 3 Continous Drive Forward/Manual Drive Backward
- 4 Reset



Curing Of Resins

Epoxy resins can cure at ambient temperature. The addition of heat can significantly reduce the curing time. This can be implemented in the form of hot water or steam. APS offers reliable heating units, for curing acceleration using water or steam; Units that rapidly pay for themselves.

HotBox

The HotBox is a diesel-powered continuous heater specially designed for domestic sewer renovation. Thanks to the high heating output, up to 1000 litres of water can be heated per hour. The mobile unit can be easily transported and can be operated outdoors close to the renovation site.

HotBox advantages

- Mobile heating unit
- Diesel-powered
- Stable frame with rollers
- Boiler with heating coil, top-fired boiler system



Technical Data HotBox

Water Qty Per Hour (min/max):	500/1000 Litres
Temperature:	Up to 90 Degrees Celsius
Heating Output Net kcal/hour:	61.000
Max. Working Pressure:	20 Bar
Measurements (LxWxH mm):	620 x 610 x 950
Wight: ca.	74kg

CODE APS-000-034

BRAWO SteamUnit

In addition to curing resin-impregnated liners for domestic sewer renovation with hot water, steam curing has also established itself. This is particularly the case for the renovation of downpipes, where water curing is only possible in shorter pipe sections with approx 4 metres of height difference. Steam curing has significant advantages in this case. BRAWOLINER offers a comparatively compact, but powerful system with the BRAWO SteamUnit, consisting of the following components.

BRAWO SteamGenerator

BRAWO Steam Generator

- Mobile, diesel-operated steam generator
- Reinforced chassis for building site development
- High steam output of approx 50kg/hour
- Ready for use in 15 minutes
- Rapid curing (only 80 min, heating time in combination with BRAWO HT
- Steam temperatures of up to 150 degrees celsius possible



Technical Data BRAWO SteamGenerator

Steam Capacity:	50kg/h
Steam Power:	2900 W
Steam Pressure:	5 Bar
Steam Temperature:	Max. 159 Degrees Celsius
Dimensions (LxWxH mm):	3070 x 530 x 1250 mm
Weight:	180kg
Thermal Output:	56 KW

CODE	APS-000-035
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SACTOOLS Steam Unit Medium Electric

ADVANTAGES

Sactools Steam generator can be used inside all properties where 3-phase, 400v, 16a outlet is available. Quick start-up, free from diesel spills and fumes. Continuous water connection to the steam unit allows continuous operation. Low centre of gravity, large wheels and ergonomic design makes the transportation of the steam generator convenient all the way to the workplace. Easy to understand and secure operation with all controls grouped in a control panel with clear symbols.



MULTIPLE USES

Our new electrically heated steam generator is developed for the use in the curing of branch pipe underground, but also for liners in lateral pipes, and in liners of limited lengths of horizontal pipes underground.

By adding heat during curing, the installation of epoxy impregnated liners and branch pipes will be safer and much faster. With secured temperature the risk that the installation tool removed too early is eliminated. The curing is faster and more installations can be done during the working day.

EASY TO OPERATE

Connect the Sactools steam unit to a 3-phase, 400volt, 16A socket, compressed air and a water outlet. The pressure and the flow of the compressed air is controlled, as well as the temperature of the air and steam mix. The operator easily switches between air pressure and vacuum with one lever.

This facilitates the branch pipe installations.

When the branch pipe is in place the steam is activated, which flows through the branch pipe installation tool. The return hose from the branch pipe installation tool is connected to the steam generator, where the flow - and thus the temperature of the tool - is controlled.

INLETS Water Supply, minimum 4 bar , 3-phase, 400volt, 16Amp electrical supply, Compressed air minimum 180L/min, Return from branch pipe installation tool

OUTLETS Mix of compressed air and steam, Outlet from return control valve

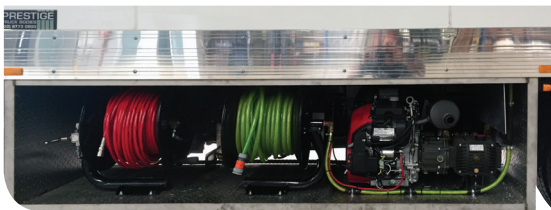
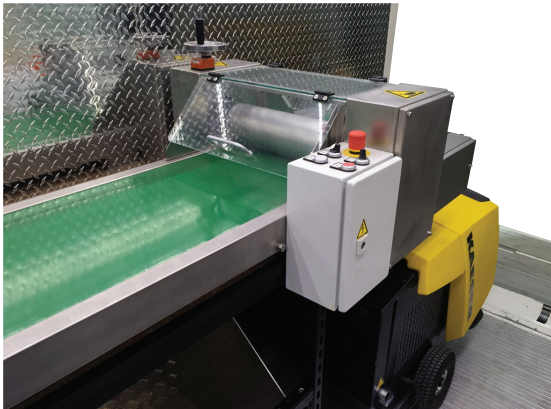
SPECIFICATIONS Total power consumption (electronics and heat): 5KW
Heating power: 4.8KW, Steam capacity: 7kg/h, Warm-up time at 10°C water: about 8 minutes, Dimensions in mm: height 1060, depth 500, width 580, Weight: 60 kg

CODE

APS-000-050

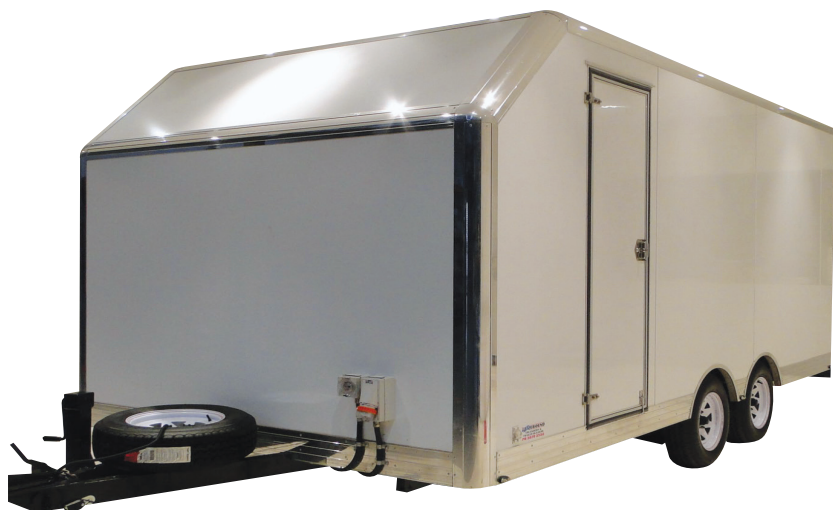
Complete Truck Packages

APS can also provide a complete turn key truck or trailer set up reliner package. Custom fabricated with ease of operation in mind. Built by reliners, for reliners.



Complete Trailer Packages

Quality components and fitout throughout.
Years of refinement to give you the perfect package.



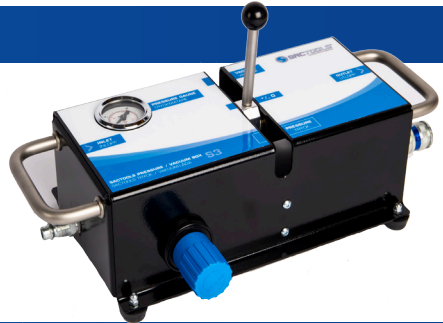
Junction Repair Systems

A complete one piece junction repair piece modified to suit the Australian market, sealing the upstream, downstream and branch arm collars. Standard Satellite Junction repairs and Flextool installations are easily installed with only one mainline entry point required, either upstream or downstream of the junction to be repaired, and only camera access required from within the branch arm. Flextool BL allows you to install a complete junction repair from within the branch line access, and only requires camera access within the main line upstream of the junction to be repaired.

Pressure / Vacuum Box

Allows you to vacuum down the liner and control the inflation pressure within one small compact unit. Perfect for use with ambient cure resins, where no heating is required. Simply connect a compressed air hose for both pressure and vacuum.

CODE APS-004-031

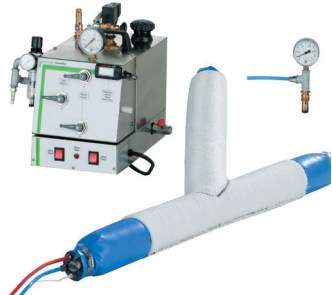


Steambox

Compact mobile steam generator designed for producing steam to aid in curing junction liners. Integrated pressure, vacuum and temperature control. 3.7 litre water tank for around three hours heating.

Specifications: Max Power. 1.5KW / electric.
Output approx. 2kg/hr - 100°C

CODE APS-004-005



Steambox L

Larger steam generator also designed for producing steam to aid in curing junction liners. 22kg in weight, 9 ltr boiler- refillable during operation, two heaters with 1500 watt for quick heating. Integrated pressure, vacuum and temperature control.

Specifications: Max Power. 3KW / electric
Output approx. 4kg/hr - 100°C

CODE APS-004-006



Sacpipe Connection System

In the Sacpipe Connection System, branch pipes are always installed with an overlap. This will result in a seamless waste water pipe system that is 100% leak free. Installing branch pipes will give a superior advantage and guarantee the quality for many years. Sacpipe provide a form fitting solution for lateral and horizontal pipes connections. From a diameter of 70 mm up to 225 mm. When using our branch pipe tools and a form fitted branch pipe, a quick, easy and reliable renovation will be achieved even on sewer pipes in poor condition.

Standard or Customised

Our branch pipes are produced in a large variety of sizes and models. They can be customized to suit your requirement.

- Form - fitted branch pipes for renovation of existing branch pipes.
- Standard sizes are from DN 70mm up to 225mm in the main pipe.
- From DN 50mm up to 225mm in the branch pipe connection.
- Standard length of the connection is 30 - 40cm depending on branch pipe dimensions.
- Flexible and secure connection
- For a leak free and easy installation.



Branch Pipe Felts

100 X 100 - 45	CODE	APS-004-020
100 X 100 - 90	CODE	APS-004-021
150 X 100 - 45	CODE	APS-004-023
150 X 100 - 90	CODE	APS-004-024
150 X 150 - 45	CODE	APS-004-025
150 X 150 - 90	CODE	APS-004-026
225 X 100 - 45	CODE	APS-004-027
225 X 100 - 90	CODE	APS-004-028
225 X 150 - 45	CODE	APS-004-029
225 X 150 - 90	CODE	APS-004-030

Packer Cover

100 X 100 - 45	CODE	APS-004-007
100 X 100 - 90	CODE	APS-004-008
150 X 100 - 45	CODE	APS-004-012
150 X 100 - 90	CODE	APS-004-013
150 X 150 - 45	CODE	APS-004-014
150 X 150 - 90	CODE	APS-004-015
225 X 100 - 45	CODE	APS-004-016
225 X 100 - 90	CODE	APS-004-017
225 X 150 - 45	CODE	APS-004-018
225 X 150 - 90	CODE	APS-004-019

Push Rods

To aid in the installation process of all junction packers, the Sactools Flexrod allow accurate positioning by being able to push then rotate the packer into position.

Flexrod 1.0	CODE	APS-004-032
Flexrod 3.0	CODE	APS-004-033



Flextool

A flexible packer holder tool that goes through 90° bends, with or without steam heating.

100mm	CODE	APS-004-036
150mm	CODE	APS-004-037



Straight

For easy installation in straight pipes. The use of centralisers as in the picture below are optional for Ø150 to Ø225. The Sactools packer holder tool for straight pipes with Ø200 or Ø225, has a joint in the middle that makes it possible to smoothly bring the tool into the pipe.

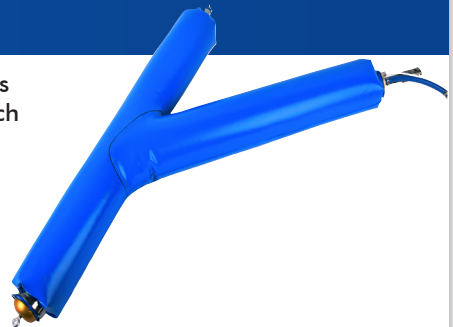
Ø150 to Ø225	CODE	APS-004-009
Ø75 to Ø125	CODE	APS-004-010



Flextool BL

A further development of the Flextool. With this flexible packer holder tool you install the branch pipe from the branch line. The branch pipe is installed and fine-tuned by using flexible rods and the camera is placed above the main pipe. New 90x90 configurations now available.

CODE	APS-004-034
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BRAWOLINER

The Standard For Repairing Defective Drains



The tried and tested Brawoliner is a seamless textile liner with a seamless foil coating. Due to its special loop construction, Brawoliner is extremely flexible and therefore ideally suited for the renovation of small diameter defective sewers found within private households and industry.

It is proven that Brawoliner can adapt perfectly to bends of up to 90 degrees and changes in pipe dimensions, without creating wrinkles or folds.

Advantages

- Able to cope with multiple bends of up to 90°
- Gentle inversion pressure from as little as 0.2 bar possible
- Can handle with one change in pipe dimension
- Simple and problem- free installation
- Can be used to fix most damage

The BRAWOLINER system is available in diameters of DN 50 to 250mm.

50mm	CODE	APS-003-006
100mm	CODE	APS-003-012
150mm	CODE	APS-003-017
200/250mm	CODE	APS-003-025



BRAWOLINER 3D For Changing Diameters



The rehabilitation of laterals, drains and sewers with changes in diameter is a big challenge for many rehabilitation methods and systems. Particularly, changes in diameter, for example from DN 100 to DN 150.

Two Changes of Dimension

The new BRAWOLINER 3D was specially developed for lining through pipelines where there are big or several changes in diameter. In diameter changes from DN 100 to DN 150 the seamless textile liner forms itself to both diameters with the final result being a wrinkle free finish. The secret is in its unique and extremely flexible polyester/loop construction which allows the liner to stretch laterally to accommodate diametrical changes.

BRAWOLINER 3D is available in the nominal width DN 100 - 150 (4" to 6") and DN 150 - 200 (6" to 8") each in the lengths of 25m, 50m, or 100m.

For dimension changes from DN 70 to 100 (3"- 4") we offer the BRAWOLINER DN 70 special, which is also available in the above mentioned.

70/80mm	CODE	APS-003-008
70/100mm	CODE	APS-003-010
100/150mm	CODE	APS-003-021
150/200mm	CODE	APS-003-023
200/250mm	CODE	APS-003-025

BRAWOLINER XT -Extra Thick

Longitudinal fractures, broken pipes and holes can dramatically affect the structural integrity of the pipe. Such damage is often caused by poor installation, overloading, traffic or ground movement.

The rehabilitation of this type of damage is essential to restore structural integrity and water tightness. The new BRAWOLINER XT system from KOB has a higher stiffness whilst still maintaining its unique flexibility.

For this reason the liner is ideal for the renovation of structurally impaired or deep pipes with bends and changes in diameter.

- BRAWOLINER XT is available in the nominal widths DN 100 until DN 250

100XT	CODE	APS-003-033
125XT	CODE	APS-003-015
150XT	CODE	APS-003-020
200/250XT	CODE	APS-003-027



BRAWOLINER HT The Liner For Domestic Rehabilitation

For domestic rehabilitation BRAWOLINER have been equipped with a special temperature - stable film, which means that steam curing is also possible at high temperature. The BRAWOLINER HT offer in addition the same advantages as our tried and tested.

BRAWOLINER®

- Bends of up to 90°
- 2 dimension changes
- Hot curing with steam and water possible

100mm HT	CODE	APS-003-014
150mm HT	CODE	APS-003-019



Calibration Tube

Superlight

Green in colour

Recommended for ambient cure
or warm water cure applications.

- 100mm
- 150mm
- Available in 100m rolls

50mm	CODE	APS-003-039
100mm	CODE	APS-003-001
150mm	CODE	APS-003-003



Medium Duty

Orange in Colour

Recommended for ambient cure
or hot water cure applications.

- 100mm – 300mm

100mm Medium Duty Orange	CODE	APS-003-030
100mm Heavy Duty White	CODE	APS-003-031
150mm Medium Duty Orange	CODE	APS-003-025
150mm Heavy Duty White	CODE	APS-003-026
225mm Heavy Duty White	CODE	APS-003-026



The BRAWO Resins

The BRAWO resins are special epoxy resins for the renovation of domestic and industrial sewerage systems. They have been optimised for use with the BRAWOLINER and have outstanding properties:

- Excellent mechanical properties
- High abrasion resistance
- High chemical resistance
- Last over 50 years (durability)
- Practically odourless during installation
- Environmentally friendly when fully hardened

The Green Resin

The green colour of the resin is not just a distinctive feature, it clearly shows during the impregnation process, whether even impregnation of the liner has been achieved and also enables a clearer picture of the post CCTV camera inspection of the renovated pipes.

Ambient Cure & Hot Cure

BRAWO resins are reactive resins. Mixing the resin with the hardening agent starts the reaction process. BRAWO resins will harden or cure at both ambient and higher temperatures. The application of heat considerably reduces the cure time.

Processing and Curing BRAWO Resins

	BRAWO® I	BRAWO® III	BRAWO® HT	BRAWO® RR
Processing Time 15°C	50 min	3.5 hr	70 min (20°C)	30 min
Curing Time 10°C	13 hr	24 hr	18 hr (15°C)	6 hr
Curing Time 50°C	100 min	220 min	140 min	75 min
Curing Time 70°C	45 min	140 min	80 min	not recommended



BRAWO I

The fast reaction epoxy resin is particularly suitable for the renovation of short stretches of piping up to 30 meters.

A hot cure can be achieved within 100 minutes.



1.5KG	CODE	APS-002-003
10KG	CODE	APS-002-002

BRAWO III

This slow reaction epoxy resin is particularly effective for the renovation of longer lengths of pipeline or larger diameters.

BRAWO III has a handling or installation time of around 3.5 hours at an ambient temperature of 15°C. Hot curing at 50°C allows complete curing in only 3 hours.



10KG	CODE	APS-002-011
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BRAWO HT

The Resin For Domestic Rehabilitation

BRAWO HT resin has been specially formulated for use in buildings. Together with the outstanding features of the BRAWO resins, it meets all structural requirements:

- Dimensional stability under heat > 93°C
- Cold and warm curing

We supply BRAWO HT in 12kg complete packages consisting of resin and curing agent.



10KG	CODE	APS-002-010
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BRAWO RR - Simply Quicker

BRAWO RR is the extra quick - hardening 2K - epoxy resin of BRAWOLINER. Buy a bundle size of 1.5 kg and a hot curing time of just 75 minutes it allows an economic renovation with hat profiles, connection cuffs and short liners.

Of course BRAWO RR is also suited for ambient curing beginning from 5°C. Like the proven BRAWO resins BRAWO RR can be used on humid and dry as well as on mineral (e.g. to sewage pipes) or metallic subsoil. The high chemical resistance and excellent product features guarantee a permanently good rehabilitation result.



1.5KG	CODE	APS-002-004
10KG	CODE	APS-002-014

Ambient Cure Silicate Resins

SR WaterGlass Resin

A two component ambient cure resin, which offers a number of variations and possible uses. Available in either Summer or Winter configurations depending on your desired application.

Summer

Longer working times, up to 45mins, curing times around 5 hrs.
Ideal for long length pull in place liners or inversion relining.

Winter

Shorter work times , typically 15mins, cure times around 1.5 hrs.
Ideal for patch repair liners with either fibreglass or liner.

- Available in pre set measured quantities, to suit 100 and 150mm patch repairs, or in bulk buy 40.5kg drums.



100mm Patch Sets W	CODE	APS-002-005
150mm Patch Sets W	CODE	APS-002-006
Silicate Resins 40.5kg W	CODE	APS-002-009
Silicate Resin 40.5kg S	CODE	APS-002-008

BRAWO Resin Mixers

Epoxy resins are reaction resins where the curing process only begins once the resin and hardener are combined. Uniform curing requires precise dosing and careful mixing of both components.



BRAWO Resin Mixing Unit

The resin mixing unit significantly facilitates mixing in the case of large orders.

Climatic chamber with material provision

- Automatic cooling and warming function,
- Optimal resin temperature in all weather
- 60kg of resin main, 20kg of hardener
BRAWO I or BRAWO III

High Precision Dosing

- Two independent high precision piston pumps
- Mixing - ratio individually adjustable,
low maintenance and low wear

Two Stage Mixing Process

- Mixing with disposable static mixer, minimal
cleaning expenditures

Easy To Use

- Adjusting of the total quantity in the control unit
- Mixing at the touch of a button next to the
impregnation plant
- Free hands, thanks to swivel mixing head



The Picote Miller Range

A single solution for all your Picote tools
Lateral Cutting - Collapsed Liner Removal - Drain Cleaning

One machine to power all of your Picote tools

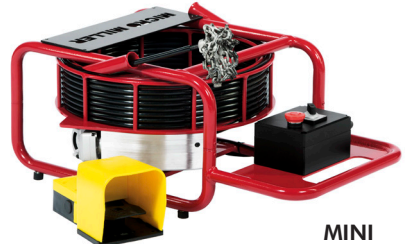
- Powers all Picote lateral cutters; the Smart Cutter, the Twister and the Special Drill Head.
- Powers the Twister Duo for light removal of collapsed liner inside cast iron pipes.
- For use with our range of Cyclone and Original grinding chains for highly efficient drain cleaning.
- Powers the new Pipe Cutter for DN50-200
- One man operation, saving on labour costs.
- Safer and more durable than a regular hand drill.
- Available in 110V or 240V versions in a range of sizes:

MINI 17m range for 8mm shaft. For DN50-70 pipes with lateral cutters and DN50-100 for drain cleaning. Also used in conjunction with Picote coating.

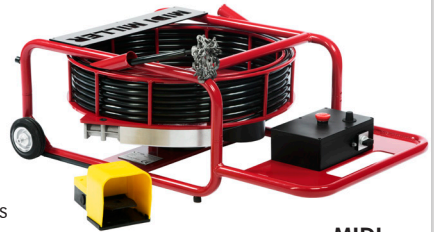
MIDI 12m range for 12mm shaft. For DN70-200 pipes with lateral cutters and for drain cleaning and pipe cutting. Adapter available for 8mm/1/3" shaft for DN50 pipes.

MAXI 30m range for 12mm shaft. For DN70-200 pipes with lateral cutters and for drain cleaning and pipe cutting. Adapter available for 8mm/1/3" shaft for DN50 pipes.

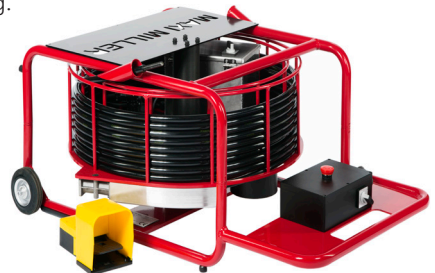
POWER PLUS 20m range at 18mm shaft.



MINI



MIDI



MAXI



POWER PLUS



The award-winning Smart Cutter is a unique lateral cutter for DN32 - 200 / 1¼"-8" drains, and has successfully reinstated over 40,000 branches world-wide to date inside cast iron, concrete and clay pipes.

The Smart Cutter not only eliminates the need for traditionally expensive methods, but its user friendly and fully customisable design also greatly reduces training and maintenance costs and can also be used as an aid for robots, or for the Twister to achieve a smooth finish.

Navigating 90° bends and diameter transitions effortlessly, the Smart Cutter accurately shapes openings without accidental damage to the original pipe.

A great remedial tool, the Smart Cutter also removes lead, nails, roots, fins and epoxy slugs as well as other inconsistencies such as wrinkles in the pipe.

Twister Express

The new Twister Express is up to six times faster than the Original Twister, and up to three times faster than the Twister Duo. With replaceable plastic guards to prevent damage to the plastic pipe, the Express model focuses on safety as well as speed.

- Only available for DN 100/4" pipes



Twister Express (unlined pipe) 100mm	CODE	APS-006-007
Twister Express (lined pipe) 100mm	CODE	APS-006-006

150mm Twister Duo

The Twister Duo is an upgraded version of the Original Twister. The new front metal panel features more carbides which are larger than the previous model, making it not only up to three times faster, but also enabling it to perform light liner removal for DN 150 / 6" cast iron pipes.



150mm	CODE	APS-006-008
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Twister Mini

The Twister Mini is a brand new Twister designed for 2" and 3" plastic pipes. The unique design features a spring action which gives the small Twister great flexibility to navigate tight bends. The metal front drill head makes this a fast and efficient tool.

50mm	CODE	APS-006-013
75mm	CODE	APS-006-014



Liner Remover Tool

The Liner Removal tool is designed to easily remove failed liner from within the pipe. The specially designed drilling head, in conjunction with the new thicker front metal panel make removing liner faster and more efficient. Available for DN100 and DN150 pipes. Available for both lined and unlined pipes.

100mm Lined Pipe	CODE	APS-006-009
100mm Unlined Pipe	CODE	APS-006-010
150mm Lined Pipe	CODE	APS-006-011
150mm Unlined Pipe	CODE	APS-006-012



Concrete Remover - Twister Range

Twister Concrete Remover with two front bushes, a heavy duty 3mm front metal panel with large carbides and a specialised front drill head with star carbides used for efficient concrete removal. Dual brushes provide added stability. Heavy duty front panel with larger carbides brings added power to the process.

DN100 x 85mm FMP	CODE	APS-006-90
DN150 x 125mm FMP	CODE	APS-006-091



The Smart Spider - Drain Cleaning

The Smart Spider cleans all types of pipes fast and highly efficiently - even safe to use in PVC pipes. Specifically for pipes where the base or other sections are missing. Easily navigates 90 degree bends.

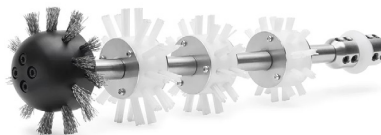
100mm	CODE	APS-006-082
150mm	CODE	APS-006-072



The Twister Cleaner - Drain Cleaning

The PVC Twister Cleaner is a gentle option for PVC pipes. Suitable for cleaning DN100 / 4" this useful tool is also effective at scoring the inside of non porous pipes prior to relining.

100mm	CODE	APS-006-092
150mm	CODE	APS-006-093



Nail Remover - Twister Range

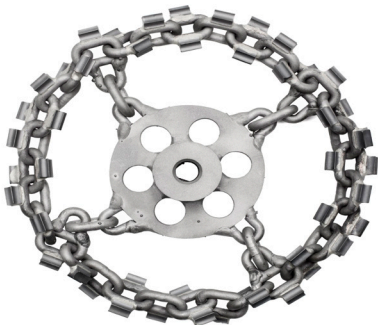
The new Picote Nail Remover tool is designed to aid in the removal of steel rods, nails, screws, star pickets from within a pipe prior to relining.

100mm	CODE	APS-006-104
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Grinding Chains - Drain Cleaning

Picote offers a large range of grinding chains for high-speed cleaning with the Picote Miller Machine. This truly powerful combination gives outstanding results, eliminating scale and bringing pipes back to their original condition.



100mm Original Chain	CODE	APS-006-053
100mm Cyclone Chain	CODE	APS-006-017
150mm Original Chain	CODE	APS-006-055
150mm Cyclone Chain	CODE	APS-006-017
225mm Cyclone Chain	CODE	APS-006-101
225mm Cyclone Chain	CODE	APS-006-069

Pipe Cutter

Attach special Pipe Cutter panels & centraliser to your existing Smart Cutter. Quickly and easily remove excess cured liner that has overshot during the lining process into the main line. Cut the excess piece through the lateral.



100mm Cutter Panels	CODE	APS-006-064
150mm Cutter Panels	CODE	APS-006-066
Centralizer Package	CODE	APS-006-065

The Grabber

The Grabber is an unique tool designed to reclaim tools and other items lost inside a pipe. Avoid digging up costly mistakes with this powerful air-driven device, which has cable inside allowing the operator to rotate the jaws and accurately locate the item weighing up to a staggering 30kg.



Picote Grabber	CODE	APS-006-029
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Power Plus Tools

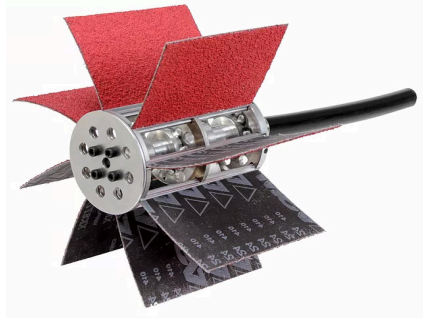
Smart Cutter

New lightweight hubs with 6 or 8 side grinding panels. Hollow hub and shortened panels keep the weight down for larger tools. Make rein-statements and remove inconsistencies, wrinkles and collapsed liner faster than ever before.

Special adapter available to enable using the DN100/4" Smart Cutter 6-panel hub with the Maxi Plus. DN100/4" inside straight pipe only.

DN150/6" Smart Cutter 6-panel hub version for Maxi Miller Power Plus 18mm/3/4" shaft only.

DN200-300/8" - 12" Smart Cutter 8-panel hub version for Maxi Miller Power Plus 18mm 3/4" shaft only.



Maxi Twister

Maxi Twister

The Maxi Miller Power Plus Twister Express offers ultra-fast lateral reinstatements in DN150, 200 & 225 /6", 8" and 9" pipes in typically only 30 seconds!



Picote Coating System

The Picote Coating System is a simple, fast and practical coating system used for drain and sewer renovation. Coat unlined or lined pipes or connections from DN32 - DN150 / 1¼" - 6" with the Picote Coating Pump and Mini Miller combination. Coat anything from a small area (such as a lined connection) to entire piping systems, for example blocks of flats using an unique world-class vegetable-oil based resin with strong bonding properties for cast iron, PVC, concrete or clay pipes.



Pressure:	4300 psi
Flow:	21.5 lpm
Engine:	Honda/Vanguard
Pump:	Bertolini
Power:	22 hp
Weight:	130kg
LxWxH:	90 x 60 x 135 cm
Warranty:	3 Years

Specifications

The RaceJet range of water jetters are an extremely popular machine and have been around since the introduction of water jetters in Australia with over 2000 units sold worldwide. They can be found

being used by plumbers in most countries around the world today.

It has been serving plumbers with reliability and simplicity since 1998.

It features a large stainless water tank and removable PVC fuel tank so it can run for hours without stopping. The large heavy duty powder coated reel mounted on top of the jetter comes with 60m 1/4" premium jet hose and will comfortably hold 90m of hose if required. It is mounted on a heavy duty galvanised chassis with pneumatic tyres so it can be removed from your truck and wheeled to remote locations if required. It features a Bertolini Pump and Gearbox with a Honda or Vanguard motor with 3 year warranty.

Applications

The RaceJet 4300 is the 'go to' water jetter for all general blocked drains and is capable of clearing 32mm pipes up to 150mm pipes with ease.

This popular unit has the power to clear most stubborn root blockages found in residential and commercial drainage. It takes up a small footprint on a ute or trailer and can be mounted without the reel on the top for access in low clearance car parks when clearing commercial drains and grease lines.



Racejet Boss 5000

Pressure:	5000 psi
Flow:	23.5 lpm
Engine:	Honda
Pump:	Bertolini
Power:	27 hp
Weight:	140kg
LxWxH:	105 x 55 x 107 cm
Warranty:	3 Years



Specifications

The RaceJet BOSS 5000 is the top of the line in the portable water jetter range. It features a full stainless steel chassis, water tank and fuel tank.

You can remove the wheels leaving just a chassis to mount to your truck, ute or van. Built by plumbers, for plumbers, it features quality inclusions like anti syphon plates built into the water tank, glass matt battery, racing style filler cap, multi-direction hose reel mounts, dual water and pressure hose reels and a full 3 year warranty. It was designed to take up the smallest amount of room on your vehicle measuring only 55cm wide.

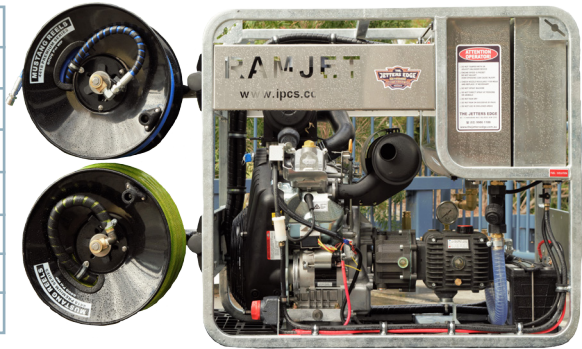
Applications

The RaceJet BOSS 5000 has to power to clear all general blocked drains and is capable of clearing 32mm pipe up to 150mm pipes with ease.

It is one of the most smallest yet most powerful water jetters on the market today. It can also be removed from the truck and wheeled on site for commercial applications. This machine is purchased by plumbers who appreciate the extra work that goes into a high quality hand made machine.

Ramjet 5000

Pressure:	5000 psi
Flow:	27 lpm
Engine:	Honda/Vanguard
Pump:	Bertolini
Power:	31 hp
Weight:	155kg
LxWxH:	155 x 57 x 85 cm
Warranty:	3 Years



Specifications

The RAMJET 5000 is a big, gutsy unit with 5000psi pressure and a huge 23.5 lpm flow rate to clear the most stubborn of drain blockages with ease. It is a strong, compact, fully self-contained unit that will fit snugly onto trucks, utes and vans. It is ready to bolt down and go to work. There is an option to fit a higher flow 31 lpm pump to clear drains up to 225mm. This machine was engineered from the ground up and has a solid frame to hold the large stainless water and fuel tanks. It comes with a water feed hose reel and a high pressure jetting hose reel that can be mounted to the front or back of the machine.

Applications

The RAMJET 5000 is ideal for high pressure scrubbing of sewer and stormwater lines from 32mm to 225mm pipe and has the capacity to clear smaller branch lines by attaching a remote Mini Reel and a whip hose.

Ridgid CS6X Monitor

With all the standard features of the CS6 Monitor now with included Wi-Fi and Bluetooth connectivity. With the added ability to stream and/or record inspections to the latest iOS or Android devices. Enabling fast, efficient results.

Features:

- Wi-Fi and Bluetooth - Stream or record inspections to an iOS or Android phone or tablet with the free HQx Live companion app
- Storage Option - Capture images and video directly to a USB drive
- Water-resistant keyboard - Direct control of camera and monitor functions
- Transport and Storage - The CS6x mounts to the SeeSnake Max RM200 docking handle for easy transport and storage.
- Daylight Viewable Display - Provides a crisp, clear, in-pipe image



Ridgid CS10 Monitor

The CS10 Monitor combines RIDGID® durability with the easiest to use digital recording monitor in the industry. One touch recording allows you to record snapshots and video directly to a USB stick then hand it directly to your customer.

Features:

- USB Stick - recording lets you record digitally into a format that your customer can read on their computer
- 12.1" Daylight Readable Display - allows you to easily monitor and record inspections in bright outdoor environments
- Integrated Line Tracing - allows tracing the reel push cable with a RIDGID locator (requires a RIDGID transmitter)
- Multi Mode Recording - lets you take snapshots, record full frame video, and record in a lean video format called Auto-log (small files)
- Software Integrations - with SeeSnake HQ™ allow you to deliver your inspections in a wide array of formats from online to DVD



CODE	APS-008-002
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Ridgid RM200 Camera

The RM200 Camera System combines portability and versatility to make your drain inspections easy and efficient. The RM200 features a newly designed push cable for greater abrasion resistance. The Ridgid CS6 Monitor can be purchased separately and locks into the handgrip.

Interchangeability

- The D2 drum series currently consists of the D2A and D2B drums
- The RM200 comes with your choice of drum
- Either drum can be purchased separately
- Own them both; quickly and easily interchanged giving you on-the-job flexibility

Pushability

- Drums feature different push cable lengths, diameters, stiffness and springs
- Choose the drum that enables you to easily negotiate turns and tees
 - there's a drum that's right for you!

Portability

- Easy to transport; via its wheels or carry handle
- Dock the CS6 or CS65 digital monitor for convenient transport, operation and storage



CODE APS-008-014

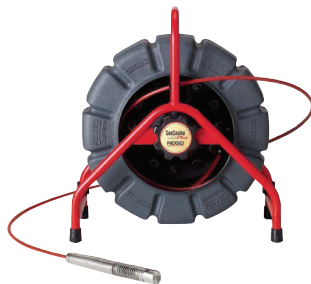
Mini-SeeSnake Plus Camera

The SeeSnake Mini video inspection system offers unmatched reliability and performance in a ruggedized package. The Mini is now also available with an optional durable self-leveling camera head.

Features:

- 1 1/2" to 6" (3.8 to 15 cm) Lines up to 200' (61)
- Ideal for where portability and manoeuvrability are crucial: multistory buildings, rooftops, confined areas, etc.
- Optional Self-Leveling Camera Head - Crisp, clear, upright in-pipe images
- Built-In 512 Hz Sonde - allows you to locate a point of interest during a pipe inspection
- Metal Frame and Rugged Drum - stands up to the rigours of a variety of demanding jobsites
- Push Cable - pushes further; tackles a wide range of lateral and mainline applications

CODE APS-008-006



Ridgid Large Camera

RIDGID SeeSnake video inspection systems offer unmatched reliability and performance in a ruggedized package.

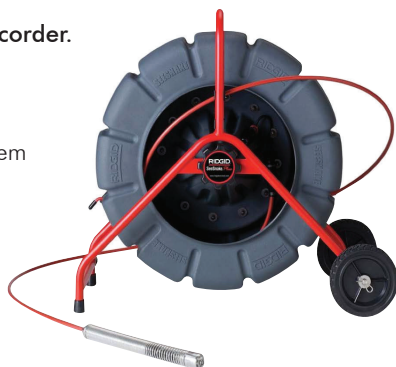
Each system offers:

- 100% hardened stainless steel camera head spring assembly for optimum durability.
- Rugged, high-intensity lights for exceptional viewing and long life.
- Flexible transmitters make locating easy and are compatible with RIDGID locators.
- Can be used with any SeeSnake monitor or recorder.

Features:

- 2" to 12" (5 - 30 cm) Lines up to 325' (99m)
- Wide pipe diameter capacity range makes this system ideal for a wide range of inspection needs.

CODE APS-008-013



Ridgid NaviTrack Scout Locator

The NaviTrack Scout Locator is designed to solve the most demanding remote location jobs using multi-directional locating technology.

Easier Locates

- The NaviTrack Scout multi-directional antenna technology sees the entire signal all of the time. Simply maximise the signal strength and you have found the target. No nulls or false peaks to complicate the locate.

Accuracy

- This locator verifies the locate position using a micro-mapping display to mark distinctive poles in front of and behind the target, insuring an accurate locate.

Automatic Depth

- Depth is automatically calculated and displayed when over the target.



CODE

APS-008-008



1300 277 111
www.pipelining supplies.com.au