

The Experts in Water Jetting & Hydrodemolition



Your first choice for:

- | | |
|------------------------|--------------------|
| 💧 Hydrodemolition | 💧 Equipment sales |
| 💧 Line removal | 💧 Accessories |
| 💧 Tank cleaning | 💧 Equipment rental |
| 💧 Tube & pipe cleaning | 💧 WJA training |
| 💧 Water jet cleaning | 💧 Servicing |

HYDROBLAST > 





Company Introduction

Originally established in 2003 by Gerald McDonald, Hydroblast Limited is a family-run business and one of the country's premier water jetting companies, offering a wide range of services and working with a diverse selection of clients across Great Britain.

What you need to know about Hydroblast is that we specialise in high-pressure and ultra high-pressure water jetting systems.



Our company is conveniently located in Gatenby, North Yorkshire. This puts us in the perfect place for working and supplying throughout the entire country.

We operate a specialist water jetting contract division working across a large spectrum of different pressures ranging from 150 to 3000 bar pressure. This means we are able to tackle many different jobs from the simplest to the most challenging.

We do not only carry out water jetting services; we also hire and sell water jetting equipment and pumps for our customers to use themselves, providing training if needed. We also service and maintain equipment.

We have carried out contract works in the EU and ship spare parts around the world, supporting clients internationally with the same high standards of service.

Among our many specialist applications, we carry out tank cleaning, pipe cleaning, surface preparation and hydrodemolition: an innovative and non-destructive technique for getting rid of damaged or waste concrete while preserving the surrounding areas.



All of this is done using top quality innovative equipment.

Each of our skilled and highly-experienced operators possess their own unique role within the company, dealing with matters such as service, repair, sales and administration.

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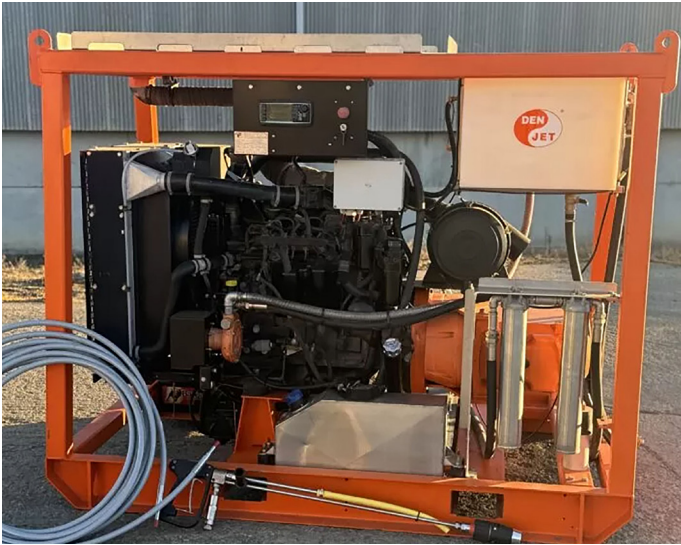
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Equipment Rental / Sales



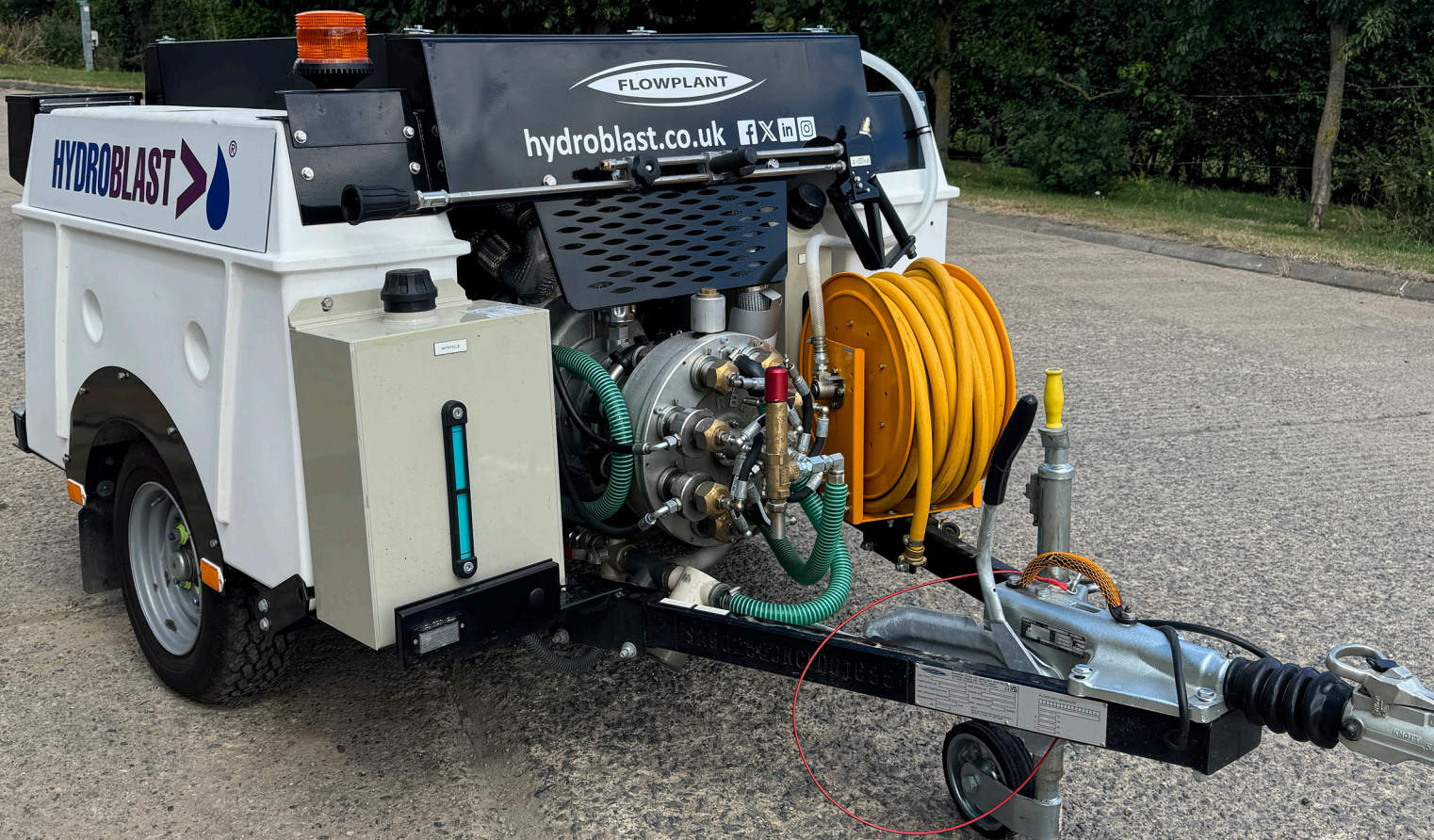
Why choose us?

At Hydroblast, our team is highly experienced with every piece of equipment we supply. When we deliver your chosen equipment, we go beyond simple delivery—we offer comprehensive setup and personalised training to ensure you're fully equipped to operate it with confidence. Whether you're new to the equipment or simply looking to refresh your skills, our expert team will walk you through each feature, ensuring that you get the best possible performance.

In addition, we provide essential maintenance tips and valuable advice to help you extend the life of your equipment, ensuring you get the most from your investment. We also stock a large quantity and variety of spare parts, allowing us to quickly supply replacements when needed and minimise downtime. Our goal is to help you maximize your equipment's efficiency, reliability, and return on investment.

When you rent from the Hydroblast shop, you're not just renting equipment—you're ensuring satisfaction through access to high-quality, well-maintained tools. Trust in Hydroblast for all your equipment needs, backed by expert support that guarantees both reliability and peace of mind.

The experts in water jetting and hydrodemolition

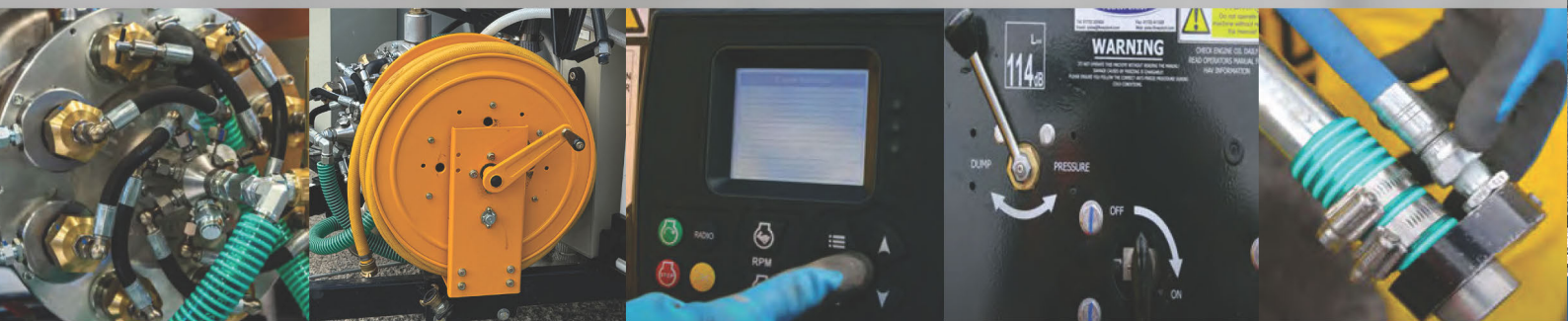


Sales

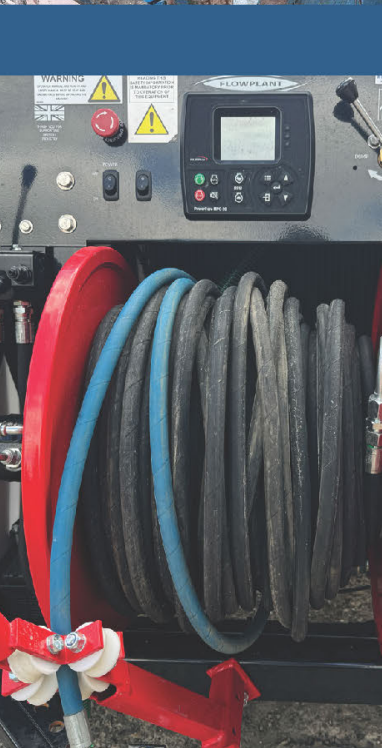
New / used



DTK Trailer
Drain Jetter



Model / Technical Details	DTK 500 Trailer
Pressure and Flow	Up to 275 bar / Up to 55 litres per minute (4000 psi / 12 gpm) Up to 350 bar / Up to 41 litres per minute (5000 psi / 9 gpm) Up to 415 bar / Up to 32 litres per minute (6000 psi / 7 gpm)
Pump	P Type radial piston diaphragm
Engine	Stage 5 emission compliant water cooled diesel
Water Tank	Twin interconnected water storage tank with total capacity of 500 litres (110 gallons)
Frame	Box section steel blasted and powder coated
Hose Reel	Variable-speed hydraulic-rewind hose reel with 120m high pressure hose capacity
Dimensions	3290mm long x 1690mm wide x 1350mm high
Weight	Dry weight from 1000kg dry or 1500kg full (plated weight is 1600kgs)
Suggested Accessories	1/2" standard jetting hose 90m (300ft) 3 x 1/2" standard drain jets (3r, 3r1f & 6r) 1/2" safety leader hose 3m (10ft) 1/2" drain jet extension 9" Inlet hose reel



01677 424 542

sales@hydroblast.co.uk

www.hydroblast.co.uk

Description

The new DTK trailer drain jetter delivers huge cleaning power of 4,000 psi at 12 gpm. P pump can drive the hose deep into sewers blocked with silt, fat, scale or roots, restoring flow in a matter of minutes.

It has jetting power to clean 300mm drains quickly and professionally. The twin plastic tanks are lightweight and corrosion free. They can hold 500 litre's (110 gallons) and both have access covers making them easy to clean.

The hydraulically powered hose reel, with speed control and free wheel facility, increases productivity by reducing down time. The reels freewheel mode lets operators pull off long lengths of hose in just a few seconds. The speed control lets operators match the pull back speed to the task – quicker for silt and slower for scale.

Its latest low emission diesel engine, hydraulic hose reel and radio control system make it ideal for contractors who work alone and in urban environments.

The 7 channel radio control (option) lets the operator start, stop and vary pressure from up to 100m away. The handset is shock resistant and waterproof.

With options up to 6000 psi (415 bar) and flows to 12 gpm (55 lpm) the DTK trailer jetter can take on a multitude of high pressure cleaning tasks. Drains, floor cleaning and even culverts can all be tackled by the immensely powerful machine.

Optional Accessories

- Radio control
- Inlet hose reel
- Jump jet kit
- Anti freeze kit
- Safety leader hose
- Tiger tail
- 1/2" Standard drain jets
- Rotary descaling jets
- Mini jet kit
- 9" Drain jet extension
- Spray gun
- Hose safety shroud
- Safety equipment
- (PPE)

Company Profile:

Hydroblast's experience in the high pressure water jetting industry has enabled us to gain access to a range of water jetting pumps and accessories, suitable for numerous applications in the industrial and marine industries.



Hydroblast can supply complete packages to end-users as well as bare shaft pumps and parts. Our main goal is to supply quality products at a competitive

Drain Accessories



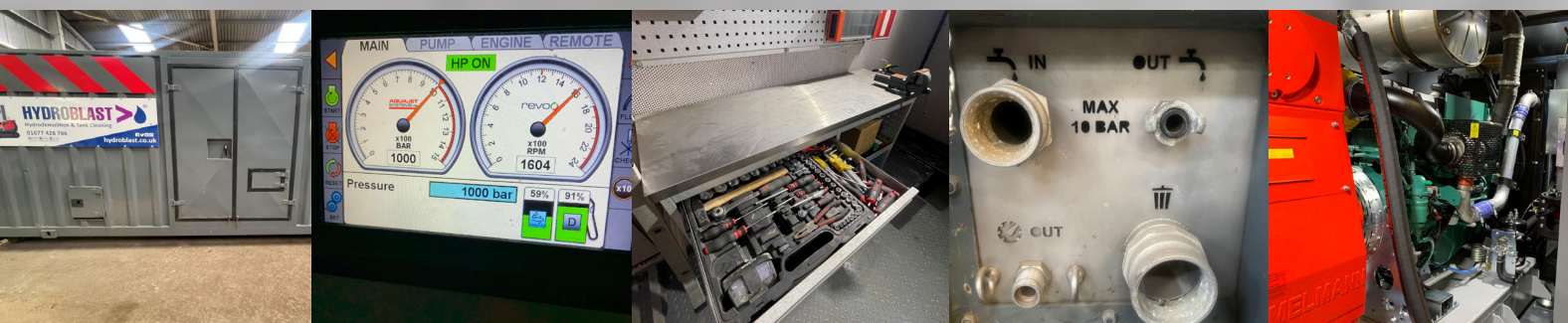
	Nozzles	Part No.
	1/2" Standard Drain Jet - 3r 1/2" Standard Drain Jet - 3r, 1f 1/2" Standard Drain Jet - 4r 1/2" Standard Drain Jet - 4r, 1f 1/2" Standard Drain Jet - 6r 1/2" Standard Drain Jet - 6r, 1f	056097 056413 056582 056583 056584 056585
	1/2" High Efficiency Jet - 3r 1/2" High Efficiency Jet - 3r, 1f 1/2" High Efficiency Jet - 4r 1/2" High Efficiency Jet - 6r	056670 056671 056672 060133
	1/2" High Efficiency Sapphire Jet (3r, 3r1f, 6r or 6r1f)	0561126
	Mini Jet (Ball) - 3r Mini Jet (Ball) - 3r, 1f	056126 056412
	1/2" Plough Jet - 2r	056044
	1/2" Rocket Jet - 4r	056845
	Turbo Jet - 2r	056323
	1/2" Chain Flail	056982
	Root Cutter Saw Set with Motor Root Cutter Blade - 100mm Root Cutter Blade - 150mm Root Cutter Blade - 225mm	056981 056989 056967 056968
	WH 1/2 Warthog Descaling Jet	056707
	1/2" Aquaspin - 3 fixed, 4@45° 1/2" Aquaspin - 3 fixed, 4@90°	056645 056653
	High Efficiency Sapphire Silt Bomb (3r, 3r1f, 6r or 6r1f)	0561127

	Jetting Accessories	Part No.
	Mini Jet Kit - 6m - 3r1f Mini Jet Kit - 6m - 3r Mini Jet Kit - 15m - 3r Micro Mini Jet Kit - 6m - 3r1f	023220 023227 023275 032601
	Tiger Tail - 2" Tiger Tail - 3"	0551443 055147
	Drain Jet Extension - 9" Drain Jet Extension - 12" Drain Jet Extension - 18"	033085 033086 033087
	Foot Control Valve	031043
	MkII High Pressure Dump Gun Shoulder Stock MkII Gun Safety Shroud P&A Gun Spinning Nozzle - 2f	031040 7001931 7001679 056326
	1.5" Jet Pump - Output 50gpm 1.5" Jet Pump - Output 45gpm 1.5" Jet Pump - Output 70gpm 1.5" Jet Pump - Output 55gpm	032121 032121 039001 039001
	Hoverclean - 0.7m Cleaning Width	023228
	Jetter Options	Part No.
	Radio control model	004416
	Jump Jet Kit	057023
	Anti-Freeze Kit	7001667
	Inlet Hose Reel Assembly c/w 25m hose	7001932

	Hoses	Part No.
	Tuffskin Lightweight Hose - 90m	0551229
	Stauffshield Hose - 90m Stauffshield Hose - 30m	0551580 0551623
	Safety Leader Hose - 3m	055093
	Safety Equipment	Part No.
	Jetting Helmet Set	HYB-HELU
	Jetting Safety Boots (Sizes 6 - 12)	TBC
	Waterproof suit (Sizes S - 3XL)	TBC
	Orange Gloves SIZE	HYBPVC G09/10
	Safety Burst Discs (white 4000psi) Safety Burst Discs (Black 5000psi)	011046 011047
	500 bar hose safety shroud 0.75m, 41mm diameter 500 bar hose safety shroud 1.4m, 41mm diameter	81600686 81600686 -1400

Powerpack

1000 Bar, 260 Lpm



Clean and rigid design

Revo control system

Built in workbench

Water inlet and outlet

Diesel engine

Model / Technical Details	1000 Bar Powerpack
Pump Spec. W.P bar / PSIFlow Lpm / Gpm Pump Speed Rpm	1000 bar / 260 Lpm / 69 Gpm
Engine Spec. Type Emission system Power Kw / Hp Engine Speed RPM Fuel Tank, Liter Fuel rate L/h	515 Kw / 700HP / 1800 RPM
Dimensions L x W x H / Weight kg	Container 23 ft special design / 10.000 kg

Features:

- Operating pressure: 1000 bar
- Flow rate: 260 l/m
- Motor: 700HP Volvo Penta Diesel
- Pump type: Woma
- Operating hours: Used please contact us
- Model: Powerpack 700
- Manufactured: 2013

Standard accessories incl. with each machine:

- High pressure hose 19 mm (3/4") I.D. 1 x 20 m (1 x 65 ft)
- Signal cable 24 V DC 1 x 25 m (1 x 82 ft)
- Set of standard tools
- 1 set of aluminium ramps for easy transport of robot in / out container

Optional accessories for each model:

- Radio remote control, safety class 3 (EN954)
- Roll off frame acc. to Swedish standard
- Double water filters that can be cleaned during operation
- Electric kit with: 230 V power outlet, 400 V power inlet / outlet, battery charging system

1000 Bar Powerpack Accessories



1000 BAR Tank Cleaning Head

BJV/BJVE M24 Inlet



HVD Robot



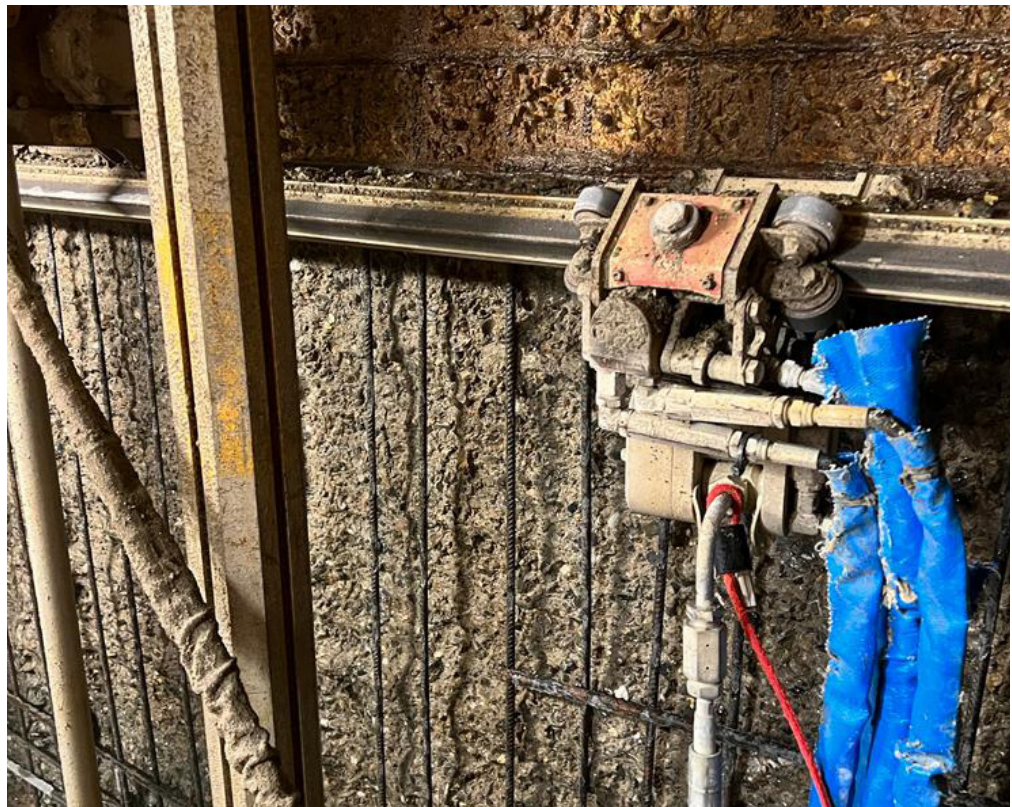
HVD Robot (Front View)



410 Robot



Aqua Spine Robot



Ergo Go Robot

Company Profile:

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Aqua S1400

1400 Bar, 53 Lpm



Fully galvanised chassis

Storage box

ES 4 control unit

Tier 5 industrial engine

Large set of tyres

Model / Technical Details	Aqua S1400
Pump Spec. W.P bar / PSIFlow Lpm	1400 / 53 Lpm
Engine Spec. Type Emission system Power Kw	160 Kw / 140 Kw
Dimensions L x W x H mm / Weight t	4677 x 1905 x 2000 mm / 2,75 t

Features:

- Operating pressure: max 1400 bar
- Flow rate: 53 lpm (can be used at 1000 bar, 500 bar at 30lpm, other configs available upon request)
- Motor: 170HP Deutz Diesel
- Pump Type: Hammelmann
- Model: Aqua S1400
- Manufactured: 2022 - other units also available

Standard accessories incl. with each machine:

- Gun
- Lance
- Pencil nozzle

Optional accessories for each model:

- Rotary nozzle
- Hose reels
- PPE

Aqua 20

1400 Bar, 78 Lpm



The endurance runner
in top quality

Energy savings through
high efficiency

Sturdy industrial
engine

Safe operation

High mobility

Model / Technical Details	Aqua 20 1400
Pump Spec. W.P bar / PSIFlow Lpm	1400 bar / 78 Lpm 2800 bar / 40 Lpm
Engine Spec. Type Emission system Power Kw / Hp Engine Speed RPM Fuel Tank, Liter Fuel rate L/h	235Kw / 203HP
Dimensions L x W x H m / Weight t	4.93 m x 2.20 m x 2.64 m / 3.5t

Features:

- Operating pressure: 1400 bar/ available conversion kit 2800 bar 40lpm
- Flow rate: 78 l/m
- Motor: 203HP Volvo Penta Diesel
- Pump Type: Hammelmann
- Operating hours: Used please contact us
- Model: Aqua 20
- Manufactured: 2018

Standard accessories incl. with each machine:

- Gun
- Lance
- Pencil nozzle

Optional accessories for each model:

- Rotary nozzle
- Hose reels
- PPE

Aqua 14

2800 Bar, 26 Lpm



Fully galvanised chassis



Storage box



ES 4 control unit



Tier 5 industrial engine



Large set of tyres

Model / Technical Details	Aqua 14 2800
Pump Spec. W.P bar / PSIFlow Lpm	Config 1 2600 / 30 Lpm Config 2 2800 / 26 Lpm
Engine Spec. Type Emission system Power Kw / Hp Engine Speed RPM Fuel Tank, Liter Fuel rate L/h	160 Kw / 170HP
Dimensions L x W x H mm / Weight t	4677 x 1905 x 2000 mm / 2,75 t

Features:

- Operating pressure: 2600 bar/ 2800 bar
- Flow rate: 2600 bar max 30 lpm or at 2800 bar max 26 lpm
- Motor: 170HP Deutz Diesel
- Pump Type: Hammelmann
- Operating hours: Used please contact us
- Model: Aqua 14
- Manufactured: 2021 - other units also available

Standard accessories incl. with each machine:

- Gun
- Lance
- Pencil nozzle

Optional accessories for each model:

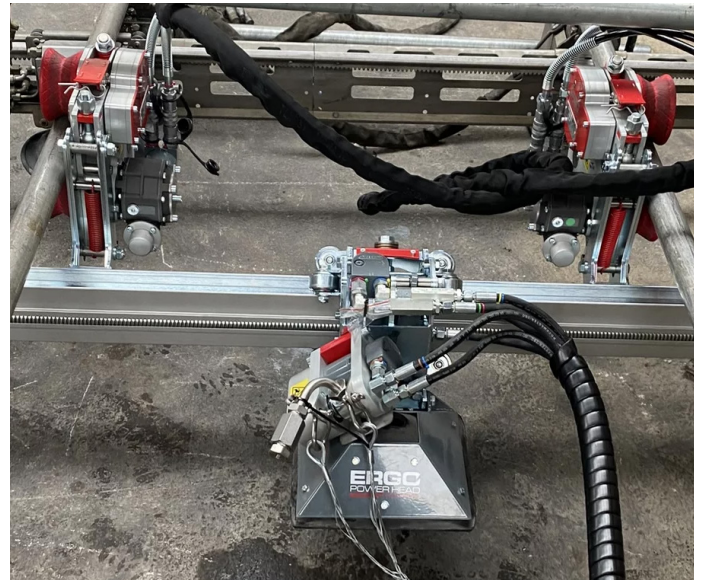
- Rotary nozzle
- Hose reels
- PPE

Robotic Equipment



What is Robotic Hydrodemolition

Robotic hydrodemolition involves systematically targeting the desired area of concrete with high-pressure water jets. These robots can withstand extremely high reaction forces, meaning that they make use of much larger pumps, saving fuel and enabling you to work in a more eco-friendly manner.



The experts in water jetting and hydrodemolition

Benefits of Robotic Hydrodemolition



Faster / safer removal



Bridge Parapets



Floor / deck work



Minimal damage to walls



Refractory removal



No harm to surrounding areas



Consistency with programming

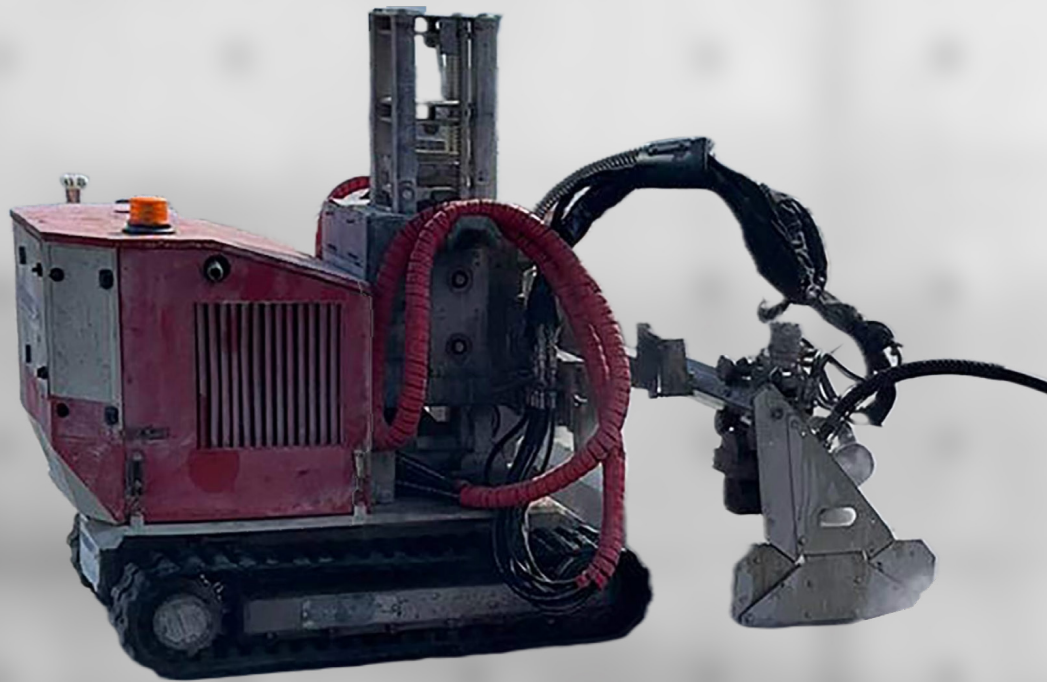


Perfect for sensitive structures



HVD

Robot



Model / Technical Details	HVD
Pump Spec. W.P bar / PSIFlow Lpm	1000 bar/262lpm or 2200 bar/122lpm
Engine Spec. Type Emission system Power Kw / Electric Information	Electric motor 3 phase 5,5 kW 400 VAC 16A
Dimensions L x W x H mm / Weight kg	2.6m -2.85m x 2m x 6m 1950kg

Features:

- For hydrodemolition at height
- Practical and safe solution that eliminates the need for scaffolding
- Extendable height further than six metres

Optional accessories for each model:

- Parapet beam – attached some images of this (for doing sides underneath bridges)
- Rotary head – for surface preparation cleaning/concrete scabbling
- Circular power head (for pile cropping)

Aqua Cutter 410A Robot



Model / Technical Details	HVD
Pump Spec. W.P bar / PSIFlow Lpm	2200 bar / 100 Lpm or 1400 bar / 78 Lpm
Engine Spec. Type Emission system Power Kw / Electric Information	Electric motor 3 phase 5,5 kW 400 VAC 16A
Dimensions L x W x H mm / Weight kg	2.1m x 0.78m x 0.99m / 1190kg

Features:

- The world's smallest standard manufactured hydrodemolition robot
- Replaces the traditional method of hand-lancing
- Lightweight model allowing for use on structures such as scaffolding
- The robot has an articulated arm which has two rotating joints and three extensions which can reach up to 3m (9,8ft) making horizontal, vertical and overhead work easier than ever before
- Easily adjustable stroke setting to improve concrete removal
- Less downtime for maintenance work
- Versatile to be used for a range of Hydrodemolition tasks
- Can be controlled wirelessly
- Equal distance system
- Demountable for hard to use areas

Ergo Go Robot



Model / Technical Details	Ergo Go
Working width	0-2,0 m (0-6,6 ft)
Max length between supports	2,0m
Min clearance height	320-500mm (depending on bracket type)
Roller beam lengths	0,25 / 0,5m / 1,0m
Lance angle	±45°
Oscillation steps	8° / 22mm and 14° / 42mm
Transport boxes	1100x355x400 mm
Climber weight	22kg
Power Head weight	21kg
Roller beam weight	9,5kg/m
Controller weight	98 kg dry, 124 kg with oil
Max reaction force	1000N
Parallel drive	±2%

Features:

- Fast equipment set-up
- Wireless remote control
- Improved hydrodemolition safety
- Flexible operation
- Highly adaptive
- One size fits all
- Designed to work on standard scaffolding pipes

Standard accessories incl. with each machine:

- 1 Ergo Controller, 1 Ergo Power Head, 2 Ergo Climbers, 2 roller beam sections (1m), 2 standard roller beam brackets, 2 low roller beam brackets, 1 radio remote, hydraulic hoses, tools and accessories

Optional accessories for each model:

- the Ergo Rotolance series

Ergo Go



Our machine offers exceptional performance, combining fast setup, wireless control, and enhanced safety for efficient and precise operation. Its adaptable design and high-quality accessories ensure reliability, making it a top choice for demanding hydrodemolition tasks.

Accessories

Nozzles

We offer a variety of nozzles for various different applications including tube, pipe, tank cleaning, and surface preparation.



Pipe Cleaning
BJV / SLC



Pipe Cleaning
Badger / SPC



Pipe Cleaning
Gopher



Tube Cleaning
Banshee / Runner



Tank Cleaning
Torus



Surface Preparation
Rotary



Centralizers



Nozzle Inserts



Hoses and Safety Devices



**500 Bar M22
Hose**



**500 Bar Hose
Safety Shroud**



1600 Bar M24 Hose



**1600 Bar M24 Hose
With Cover**



**2800 Bar UHP
Leader Hose 9/16**



3010 Bar Hose 20m



**Layflat Type 2
Fire Hose**



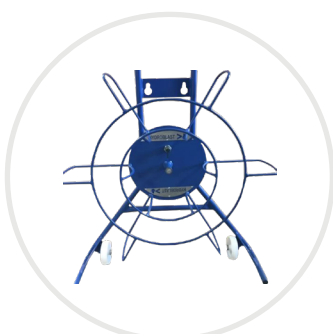
Control Cable



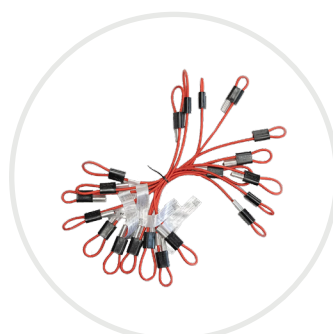
Hose Holder



Hose Shroud UHP



Hose Reels



Whip Checks



View our full range
of hoses and safety
devices on our website:

www.hydroblast.co.uk

PPE



The importance of PPE

Hydroblast PPE (Personal Protective Equipment) is essential for ensuring worker safety in high-pressure water blasting operations, where risks such as high-velocity water jets, flying debris, and chemical exposure are prevalent. Proper PPE includes specialised suits, gloves, boots, helmets, and face shields designed to withstand extreme pressure and prevent injuries such as lacerations, punctures, and chemical burns.

Investing in high-quality hydroblast PPE is crucial for businesses to protect their workforce, maintain compliance with safety regulations, and reduce the risk of workplace accidents. Without adequate protection, workers face serious hazards that could lead to severe injuries or even fatalities. By prioritising safety with the right PPE, companies can enhance productivity, minimise downtime, and demonstrate a strong commitment to worker well-being.



PPE

For sale



TST Balaclava



TST Neck Protection



TST Head Protection



**Helmet and Visor
c/w chin guard**



**TST Prooperator
Trousers**



**TST Prooperator
Overall**



**TST Prooperator
Trousers**



**TST Prooperator
Overall**

PPE

Waterproof



Features:

- High chemical and abrasion resistance
- NBR rubber for maximum chemical protection
- Oil-, chemical-, and slip-resistant NBR sole
- Reinforced backstay for heel/tendon protection
- Steel shank and air cushioned sole pockets
- Adjustable nylon guard keeps out water and debris
- AMC socks (VF22) included
- Air moisture control socket for comfort
- Heavy-duty cotton canvas lining
- Ultra flexible: Exceeds 305,000 Flex Rating
- Size options - S, M, L, XL, 2XL, 3XL

Features:

- Two-tone bib and brace overalls made from heavy-duty, waterproof PVC with welded seams to prevent water getting in
- Large storm pocket with hook-and-loop fastening features on the bib so you can keep essentials close at hand
- Size options - S, M, L, XL, 2XL, 3XL

UVEX Safety Helmet With Mechanical Visor & chin guard



Uvex pheos B-S-WR Safety Helmets

Art. no.	9772-031
Colour	White
Sizes	52 to 61 cm
Standards	EN 397 -30 °C, MM
Version	With short brim

Uvex pheos Mechanical Visor

Art. no.	9906-2
Version	Uvex supervision excellence with mechanical levers
Standards	EN 166, EN 170
Frame	Black W166 3 B-2 9 B CE 0196
Lens	PC clear UV 400 2C-1.2 W 1 B 9 KN CE 0196

Uvex pheos K2P Ear Muffs

Art. no.	2600-214
Design	Helmet earmuffs for the uvex pheos helmet system
Compatibility	52 to 61 cm
Standard	EN 397 -30 °C, MM
SNR	30 dB
Colour	Black/Yellow

Safety helmet with uvex pheos mechanical visor
Slot on the front for helmet lights
Side Euroslot adapters (30mm) for attaching earmuffs and the uvex pheos visor system
Short brim
Protection features
Meets standard EN 397 and additional requirements for very low temperatures (-30 °C) and molten metal (MM) splash

Polycarbonate visor with mechanical levers and uvex supervision excellence coating technology - fog-free vision even under extreme conditions
Visor 9906-2 can be combined with uvex pheos K2P Mechanical earmuffs, art. no. 2600-214
Lenses can be changed
Meets standards EN 166 and EN 170, and also certified for areas of application 3 (liquids) and 9 (molten metal and hot solids)

Waterproof
Jetting Gloves

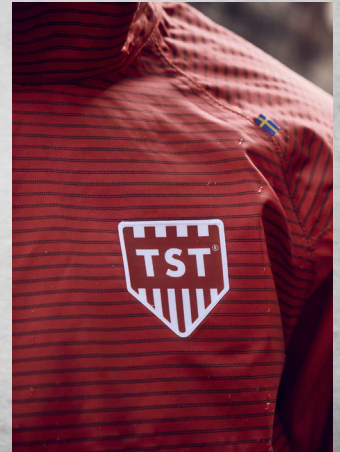


EN 388 / Property	Resistance Level
Abrasion Resistance	Level 4
Cut Resistance	Level 2
Tear Resistance	Level 2
Puncture Resistance	Level 1

EN 511 / Property	Resistance Level
Convective Cold Resistance	Level 2
Contact Cold Resistance	Level 1
Water Permeability	Level 1

- Features:**
- Designed to resist liquids and chemicals
 - Features a polyurethane foam insulation that enhances warmth
 - Fitted with a PVC coating that ensures grip
 - Designed with a rough finish that enhances grip in wet and slippery conditions
 - Features a gauntlet style cuff that enables quick donning
 - High abrasion resistance makes glove highly durable
 - Fluorescent orange design ideal for use in dark conditions
 - Available in two sizes that should suit most users

TST GLOVES & BALACLAVA



GLOVES

Waterproof Gloves with protection up to 500 bar/7 500 psi.

- The material and the rough, sand patterned surface provides the best possible grip. Outside is dipped in nitrile rubber.
- Separate inner gloves in nylon for optimal comfort and washability.
- Tested and classified with the highest test values: The level of performance is 4 out of 4 in abrasion, tear and puncture resistance, and level 5 out of 5 in blade cut resistance.
- Learn more on p. 61.
- Supplied in 12-pack. Shelf life up to 3 years.
- CE Regulation (EU) 2016/425
- Protective Gloves: EN ISO 388:2016



BALACLAVA

Designed to keep the body dry.

- To be worn on the outside of the clothing.
- The breast bib is made of Cordura and is fitted with adjustable straps to hold it in place.
- No protection against water jets (made of neoprene).



TST PPE for handheld waterjetting plus robotic and automatic **Single 1000 BAR / 15 000 PSI Rotor 2800 BAR / 40 000 PSI**



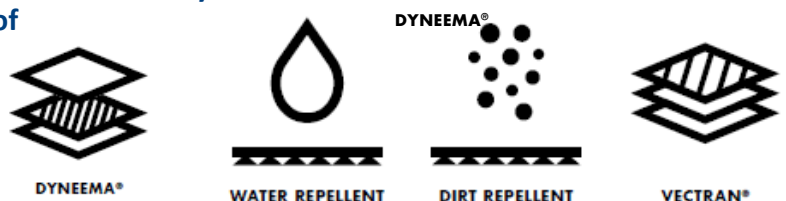
KEEP DRY AND LIGHT

The outer fabric in Techsteel™ is both dirt and water repellent, which keeps the operator dry and light all day long. Techsteel™ has a very high resistancy against abrasion and tearing, over 500 000 Martinda-le. The outer material is furthermore reinforced with Vectran® (LCP) for maximum strength and durability. The request for these qualities comes originally from the industry of concrete removal and demolition.

TST protective clothing for waterjetting has highest mobility and compliance in the industry

THE WORLD'S STRONGEST FIBER HAS GOT YOU COVERED

In protective areas of the clothing, TST use an ultra strong and ultra light fiber – Dyneema®. The fiber is 15 times stronger than steel and up to 40 % stronger than aramids. This enables TST to develop protective clothing which are lighter and more comfortable, without compromising safety and durability.



TST Jacket & Trousers

Single 1000 Bar / 15000 PSI

Rotor 2800 Bar / 40000 PSI



Jacket

- Full front protection as well as round the neck, shoulders and the entire area round the forearm.
- Fastening at the back to get the full protection in the front.
- A comfortable neoprene cuff inside the arm prevents water leakage.
- Part of the Gamma Kit.
- CE Regulation (EU) 2016/425

SIZES S/M-4XL/5XL **WEIGHT** 2 kg (size L/XL)



Trousers

- Full front protection up to the waist.
- Very popular among workers who move a lot, climb or crawl.
- Extra high wear resistance on the knees and at the bottom of the trousers. Knee pockets if you want to add knee pads.
- Wide, adjustable braces in stretch material. Elastic part in the rear waist and a belt which helps to distribute weight and improves the comfort.
- Part of the Gamma Kit and Delta Kit.
- CE Regulation (EU) 2016/425

SIZES S/M-4XL/5XL **WEIGHT** 2.7kg (size L/XL)

TST APRON

Single 1000 Bar / 15000 PSI
Rotor 2800 Bar / 40000 PSI



TST APRON

- Protection on the whole area of the apron
- Adjustable shoulder band for comfort, easy to put on and take off
- Can be unfolded and fastened for easier work in stairs or on ladders
- Often used in combination with hand protections and Gaiters or Boots
- CE Regulation (EU) 2016/425

SIZES ONE SIZE WEIGHT 1.5kg



TECHSTEEL - Outer shell in all protective areas.
Dirt and water repellent and very high-resistant against abrasion and tearing, over 500 000 Martindale.

STRETCH - On areas without protection, for increased mobility and comfort.

DYNEEMA - The protective fabric inside the clothing is made of the strongest fiber in the world, 15 times stronger than steel.

ARA-SHIELD - Extra reinforcement on exposed surfaces, such as knees and leg ends.

TST PPE for handheld waterjetting plus robotic and automatic Single 2000 BAR / 30000 PSI Rotor 3000 BAR / 43500 PSI



AREAS WITH PROTECTION

It is essential that the operator knows where and for what the clothes protect. Glossy fabric clearly identifies protective areas, and the label tells the level of protection. Orange labels indicate protection for 2 000 bar/30 000 psi single jet and 3 000 bar/43 500 psi rotor jet – 20/30.



KEEP DRY AND LIGHT

The outer fabric in Techsteel™ is both dirt and water repellent, which keeps the operator dry and light all day long. Techsteel™ has a very high resistancy against abrasion and tearing, over 500 000 Martinda-le. The outer material is furthermore reinforced with Vectran® (LCP) for maximum strength and durability. The request for these qualities comes originally from the industry of concrete removal and demolition.

TST protective clothing for waterjetting has highest mobility and compliance in the industry

THE WORLD'S STRONGEST FIBER HAS GOT YOU COVERED

In protective areas of the clothing, TST use an ultra strong and ultra light fiber – Dyneema®. The fiber is 15 times stronger than steel and up to 40 % stronger than aramids. This enables TST to develop protective clothing which are lighter and more comfortable, without compromising safety and durability.



DYNEEMA®



WATER REPELLENT

DYNEEMA®



DIRT REPELLENT



VECTRAN®

TST JACKET & TROUSERS

Single 2000 Bar / 30000 PSI

Rotor 3000 Bar / 43500 PSI



Jacket

- Increased mobility and comfort thanks to flexible protective material, new design, stretch fabric and pre-bent knees on the trousers.
- Full front protection as well as round the neck, shoulders, and the entire area round the forearm.
- A great choice for jobs that require movement.
- Add Head protection, Protective Gloves and Boots or Gaiters and you are protected from head to toe.
- CE Regulation (EU) 2016/425

SIZES S/M-4XL/5XL **WEIGHT** 2.5kg (size L/XL)



Trousers

- Increased mobility in the Overall thanks to pre-bent knees and flexible protective material as well as stretch material in the back. Vest in new design with more flexible protective material increases mobility and protection.
- The Overall protects the lower body, the Vest the upper body.
- A good choice if you move, climb or crawl a lot.
- Add Head Protection, Protective Gloves and Boots or Gaiters for a head to toe coverage.
- CE Regulation (EU) 2016/425

SIZES S/M-4XL/5XL **WEIGHT** 2.7kg (size L/XL)

TST APRON

Single 2000 Bar / 30000 PSI
Rotor 3000 Bar / 43500 PSI



TST APRON

- Protection on the whole area of the apron
- Adjustable shoulder band for comfort, easy to put on and take off
- Can be unfolded and fastened for easier work in stairs or on ladders
- Often used in combination with hand protections and Gaiters or Boots
- CE Regulation (EU) 2016/425

SIZES ONE SIZE WEIGHT 1.5kg



TECHSTEEL - Outer shell in all protective areas.

Dirt and water repellent and very high-resistant against abrasion and tearing, over 500 000 Martindale.

STRETCH - On areas without protection, for increased mobility and comfort.

DYNEEMA - The protective fabric inside the clothing is made of the strongest fiber in the world, 15 times stronger than steel.

ARA-SHIELD - Extra reinforcement on exposed surfaces, such as knees and leg ends.

TST GAITERS

Single 2000 BAR / 30000 PSI
Rotor 3000 BAR / 43500 PSI



TST GAITERS

- To be worn on the outside of regular protective boots.
- The entire area around the leg and the foot is protected.
- Very comfortable and light to wear.
- Easy to adjust for a perfect fit.
- Specific right and left foot designs. Sold in pairs.

SIZES EUR 36-41, 42-48, 49-52 **WEIGHT** 1.4kg

GAITERS SHOE SIZE GUIDE

EUR	US	UK
36 - 41	4 - 8	4 - 8
42 - 48	9 - 13	9 - 13
49 - 52	14 - 16	14 - 16



TST Head & Neck Protection 3000 Bar



Head Protection

- A comfortable Helmet with a Visor and Hearing Protectors.
- All parts are tested and certified up to 3 000 bar/43 500 psi. The only Head Protection on the market that is tested and certified.
- Hook strap that prevents the helmet from falling off in the event of an accident.
- Hearing Protectors reduce the noise level by up to 33 dB (SNR 32 dB classified).
- Adjustable for optimal protection and fit. 3-point chin strap is included.

ONE SIZE (53-62 cm)



Neck Protection

- Excellent complement to the head protection 3000 bar.
- Protects the sensitive areas between the Head Protection 3000 bar and the Jacket/Vest.
- Attaches to the rear of Head Protection 3000 bar. Closes with hooks & loops in front of the face.
- Can be worn in or outside the visor

ONE SIZE WEIGHT 0.3kg



Rubber Safety Boot (2700 bar)



Product Highlight

Key Features	High chemical and abrasion resistance NBR rubber for maximum chemical protection Oil-, chemical-, and slip-resistant NBR sole
Safety standards	CSA Z195-14 / ASTM F2413-11 Grade 1 Steel toe and plate CSA OMega - Electric Shock Resistant 18kV ASTM Mt/75 Metatarsal protection European Standard CE Approved - EN ISO 20345:2011 SRC S5
Ideal	High Pressure Washing Ship Cleaning Bridge Stripping Concrete Cleaning Construction Sites

BAR 2700

PSI 40,000

PRODUCT DESCRIPTION

- High chemical and abrasion resistance
- NBR rubber for maximum chemical protection
- Oil-, chemical-, and slip-resistant NBR sole
- Reinforced backstay for heel/tendon protection
- Steel shank and air cushioned sole pockets
- Adjustable nylon guard keeps out water and debris
- AMC socks (VF22) included
- Air moisture control socket for comfort
- Heavy-duty cotton canvas lining
- Ultra flexible: Exceeds 305,000 Flex Rating

Rubber Safety Boot (800 bar)



Safety Test results

The boot has been tested under strict conditions as shown in the table.

Nozzle Used	Size	Pressure	Distance	Traversing Speed	Reaction F
Round Jet Nozzle	1.2mm	800 bar	100 mm	0.5 m/s	Level 4
Round Jet Nozzle	1.5mm	800 bar	100 mm	0.5 m/s	Level 2
Round Jet Nozzle	1.8mm	800 bar	100 mm	0.5 m/s	Level 2
Fan Jet Nozzle	1.8mm	800 bar	100 mm	0.5 m/s	Level 1

The use of different pump flowrates, pressures, stand-off distances and traverse speed can significantly alter the level of protection the boots can offer. The material used offers good resistance to penetration against a water jet, but cannot offer guaranteed protection.

Shoe Size	Stock No.
6 - 6.5	81600730
7 - 7.5	81600690
8 - 8.5	81600594
9 - 9.5	81600592
10 - 10.5	81600595
11 - 11.5	81600593
12 - 12.5	81600596
13 - 13.5	81600663
14 - 14.5	81600620

Safe working pressure 800 bar (11,603 PSI)

- Tested to withstand accidental passes over the metatarsal area when using high pressure water jetting guns (up to 800 bar).
- Resistant to oils, petrol, greases, dilute acids & alkalis.
- Sanitised, washable nylon lining.
- Arch Support.
- Smooth dirt-repelling surface.
- Manufactured from heavy duty PVC for strength and longer wear life.
- 200 Joules steel toe-cap.
- Slip-resistant sole.
- Energy-absorbing heel.
- Shin guard specially reinforced.
- Strong ankle protection.
- Manufactured to standards EN345-54 and DIN 2 3329.

TST Safety Hose Shroud

500 Bar Pressure



Function and Fitting

The Hydroblast TST Hose Shroud offers enhanced protection from pinhole occurrences near the operator and provides a cost effective safety solution.

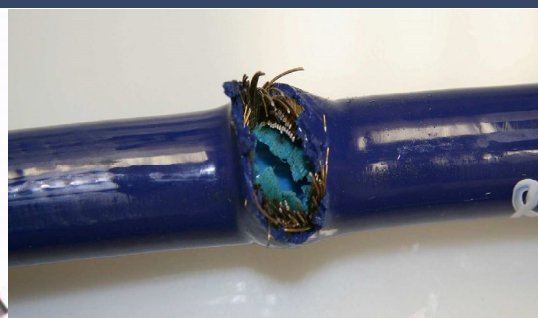
The safety shroud is held securely in place with an adjustable strap.

The sleeve material has been tested and approved to international standards for 500 bar / 7,500 psi and has been found to be very effective in reducing the concentrated stream of pinhole leaks.

Manufactured using aluminum tubing, this gives it strength whilst adding minimum weight and is smooth and flexible.



Safety Hose Shroud 2800 Bar Pressure



Function and Fitting

The Hydroblast TST Hose Shroud offers enhanced protection from pinhole occurrences near the operator and provides a cost effective safety solution.

	Part number : 310462
ID	ø 40 mm
OD	ø 57 mm
Total length	1.4 mtr
Weight	1.85 kg

- Highly burst resistant
- Highly abrasion resistant
- Highly chemical resistant
- Enhanced safety

The safety shroud is held securely in place with an adjustable strap.

The sleeve material has been tested and approved to international standards for 2800 bar / 40,000 psi and has been found to be very effective in reducing the concentrated stream of pinhole leaks.

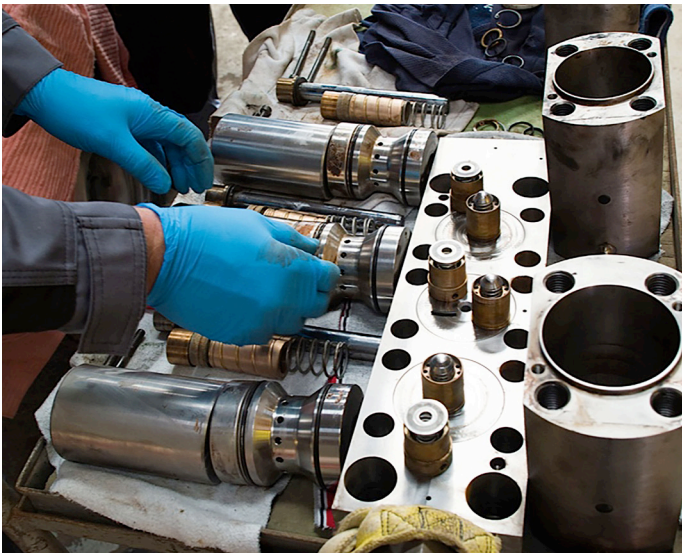
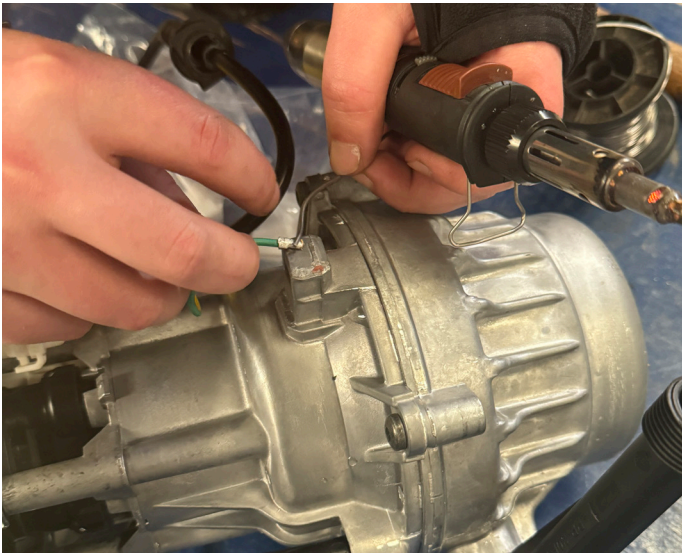
Manufactured using aluminum tubing, this gives it strength whilst adding minimum weight.

	Part number : 310463
Total length	3 mtr
Weight	3.3 kg

	Part number : 310462-XL
ID	ø 52 mm
OD	ø 68 mm
Total length	1.4 mtr
Weight	2.25 kg

	Part number : 310463-XL
Total length	3 mtr
Weight	4.2 kg

Servicing



Comprehensive servicing and repairs

Regular servicing and maintenance are essential to ensure the longevity and optimal performance of waterjetting machines.

We offer professional machine servicing and repairs to all our customers, providing reliable solutions to keep equipment operating efficiently. Our expert technicians can fully strip down machines, assess their condition, and replace any worn or damaged parts as needed.

Whether it's routine maintenance, troubleshooting, or extensive repairs, we are committed to restoring your equipment to peak performance. By addressing issues promptly, we help minimise downtime, extend the lifespan of your machinery, and improve overall safety and efficiency.

With our high-quality servicing, you can trust that your equipment will continue to deliver powerful and effective results, reducing the risk of unexpected failures and costly disruptions.

The experts in water jetting and hydrodemolition


Machine Repairs




Machine services and repairs are offered to all of our customers. We can strip machines and replace parts, depending on what is required to get the machine working again.



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