

SAFETY TOOLS

FOR SURFACE PREPARATION IN
HAZARDOUS ENVIRONMENTS

TRELAWNYTM
SURFACE PREPARATION TECHNOLOGY

www.trelawnyspt.co.uk

ABOUT US

Trelawny is an independent manufacturer of pneumatic tools and surface preparation equipment operating from its headquarters in the engineering heart of the UK in Leamington Spa. For over 60 years Trelawny has been offering a range of equipment for the preparation of concrete, steel and stone in industries which include:

- Construction
- Floor preparation
- Utility contracting
- Marine and offshore (oil and gas)
- Nuclear decommissioning (remediation)
- Restoration, refurbishment and demolition

Our products are sold worldwide through a global network of quality approved stockists and distributors.

Our aim is to continue to develop our product offering to satisfy the demand and needs of our customers. With this, we continually seek quality stockists and distributors worldwide who are interested to work with a reputable growing brand and offer the service, back up and know-how our customers require.

ABOUT THE SAFETY RANGE

Trelawny SPT Ltd have been involved in the design, manufacture & distribution of surface preparation & deck maintenance equipment for more than 60 years. We offer packages of tools for complete deck maintenance to small area patching & refurbishment.

The latest technologies of low vibration (Vibro-Lo™), reduced sparking tools & dust free working (TVS) are offered to ensure our customers can perform to the highest standards.

With the increase of the gas carrying market, particularly LPG (liquefied petroleum gas) + LNG (Liquefied natural gas) carriers and the offshore market, there is a rising demand for products which can be used in potentially explosive areas.

Trelawny's range of safety tools include:



Ex Needle Scalers:
Our range of ATEX Needle Scalers are suitable for coating and corrosion removal in gas zone 1.



Ex Vacuums:
As part of our TVS range Trelawny supply a full range of vacuums for wet and dry use. Including type H and ATEX models.



Reduced Sparking Attachments:
All of the Trelawny standard range of Scaling tools can be fitted with reduced sparking attachments.



TVS Packages:
Our TVS packages include a range of surface preparation tools complete with integrated dust collectors.

HEALTH & SAFETY INITIATIVES



ATEX CERTIFIED TOOLS

ATEX (ATmosphères EXplosibles) is a directive outlining a number of technical and quality objectives that must be complied with to the satisfaction of a third party certification association.

Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive') refers to the minimum requirements for improving the health and safety protection of workers potentially at risk from explosive atmospheres.

Directive 94/9/EC (also known as 'ATEX 95' or 'the ATEX Equipment Directive') on the approximation of the laws of Members States concerning equipment and protective systems intended for use in potentially explosive atmospheres.

The ATEX symbol is recognized internationally, providing safety assurances to users in EU states, as well as assuring users in the U.S. and other non-EU countries that the product was manufactured to high levels of safety.



REDUCED SPARKING TOOLS

In industries such as offshore, oil & gas and petrochemical, our tools will often be used to carry out tasks in potentially hazardous environments. For such circumstances, we produce spark resistant beryllium copper needles and cutter heads and aluminium bronze chisels. Beryllium copper combines high strength with non-magnetic and non-sparking qualities to deliver a safe, yet efficient execution of the task at hand.



VIBRATION

As those within the industry will be aware, permanent injury can result to the hands and arms from the vibration caused by operating powered equipment. Occasional exposure is unlikely to cause ill health, however regular and frequent exposure to Hand Arm Vibration (HAVS) needs to be managed in order to protect operators.

As a quality and responsible manufacturer, health and safety issues such as these, are a significant factor in Trelawny's design considerations for each tool and machine. We have developed a particular range of reduced vibration pneumatic hand tools, under our trademark Vibro-Lo™, in order to help protect the user from injury.

Due to these safety precautions, our equipment counteracts the hazards of HAVS and stands at the forefront of the market with world leading designs of quality, efficiency and safety.

For further information on HAVS, please visit www.hse.gov.uk/vibration.



DUST CONTROL

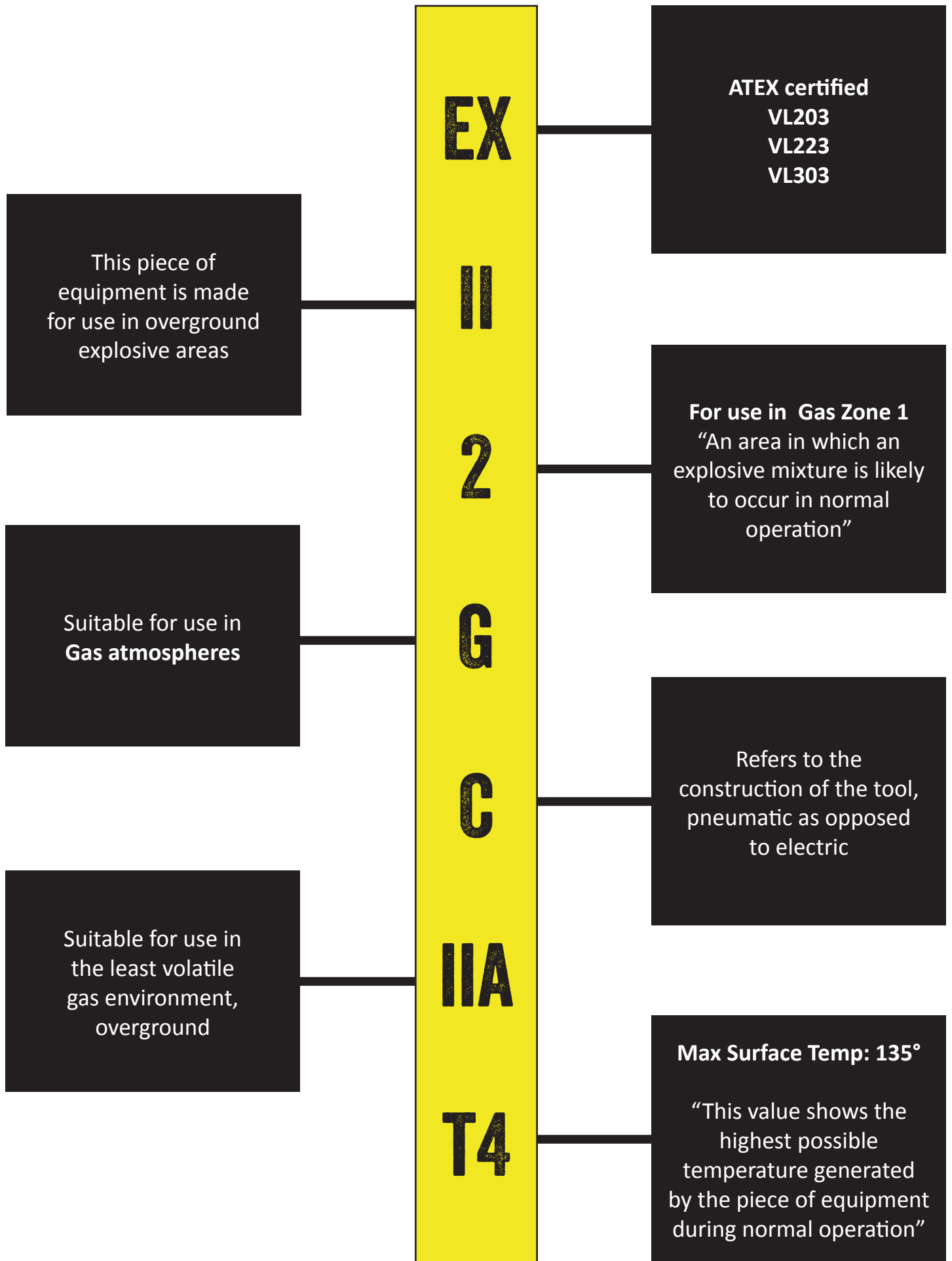
The nature of our tools and machines is to remove surface coatings and as a consequence, this can create dust in the surrounding atmosphere. In order to combat this, we provide optional dust shrouds for all of our equipment, which when connected to vacuum dust collectors (also available from Trelawny SPT), enables the collection of dry dust and debris.

Our Tool and Vacuum System (TVS®) range of products has been designed specifically to ensure the recovery of lead based paint, radioactive contaminants and other hazardous and non-hazardous materials from the source of surface preparation equipment and hand tools, which further provides a safe and clean working environment.



SAFETY TOOLS





LOW VIBRATION NEEDLE SCALER KITS

VL EX SERIES



Trelawny's VL (Vibro-LoTM) Needle scalers have long been the market leading tools for descaling, offering unparalleled reductions in harmful vibration, containment of hazardous dust and drop protection.

In our aim to produce the highest performing, safest tools for use in hazardous environments, we now offer **ATEX certified versions of the full VL range of needle scalers.**

The VL Ex series is based around our VL303 & VL203 pistol grip scalers and the VL223 in line scaler.

Trelawny's VL Ex series is the solution for corrosion management in high risk surroundings such as natural-gas installations, oil and LNG tankers, gas works, oil drilling platforms, refineries, petrochemical plants and shipyards.



Tool & Vacuum System



ATEX



Vibration Reduced

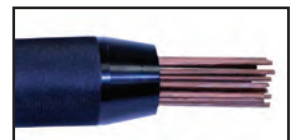
Trelawny VL Ex ATEX Classification:

Ex II 2 G c IIA T4

*Certified for use in Gas Zone 1

FEATURES & BENEFITS

■ **Beryllium Copper needles** fitted as standard – Beryllium copper provides high strength with non sparking and non magnetic properties



■ **TVS Dust shroud** fitted as standard – Ensures that operators are protected from hazardous dust present in the coating and corrosion they are removing, dust from Beryllium copper is also hazardous and we strongly recommend that the VL Ex series is used in conjunction with the KAV Ex range of dust collectors



■ **Fall arrestors** – A simple drop protection solution is fitted to all VL Ex tools eliminating the risks of dropping the tool which could cause injury, equipment damage and downtime



■ **Vibro-LoTM vibration reduction** – Our VL Ex needle scalers produce up to 8 times lower levels of harmful Hand Arm Vibration (HAV) than that of standard tools protecting operators and increasing usable working time and productivity”



LOW VIBRATION NEEDLE SCALER KITS **VL EX SERIES**







ATEX KITS

Tools are supplied in a plastic case complete with:

- VL203/223/303 Low Vibration Needle Scaler
- Spare set of Beryllium Copper Needles
- Vacuum Take-Off Dust Shroud
- Fall Arrestor
- Corner Cuff
- Edge Cuff
- Flat Cuff
- Operator guide



TECHNICAL DATA


Model	Part Number	Type	Needle Quantity	Weight (kg)	Blows per minute (BPM)	Air Consumption (lps / cfm)	Air Inlet Size (BSP)	Noise Level (LwA db(A))	Vibration Level (Aeq m/s ²)
 VL223Ex Needle Scaler Kit	139.2423	In-line	19 x 3 mm	2.35	2400	1.89 / 4	¼	90.7	2.56 
 VL203Ex Needle Scaler Kit	139.2403	Pistol Grip	19 x 3 mm	2.7	2400	1.89 / 4	¼	90.7	2.75 
 VL303Ex Needle Scaler Kit	139.2433	Pistol Grip	28 x 3 mm	3.51	3000	2.6 / 5.5	¼	109.5	2.3 

NB: Trelawny recommends a maximum air pressure of 6.2 Bar (90psi).

KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	418.2003	TVS Vacuum Shroud VL203/223
	418.3003	TVS Vacuum Shroud VL303  (Includes flat cuff)
	446.2003X	Service Kit for VL203/223
	446.3003X	Service Kit for VL303
	415.3003	ATEX Anti-Static lanyard

SPARK RESISTANT BERYLLIUM COPPER

Image	Part Number	Size (mm)	Description
	403.1312	3mm	Box of 12 Needles
	403.1319	3mm	Box of 19 Needles
	403.1328	3mm	Box of 28 Needles
	403.1349	3mm	Box of 49 Needles
	453.1310	3mm	Box of 100 Needles
	443.1307	3mm	Box of 500 Needles

SERIES KAV PNEUMATIC VACUUM

KAV30



Tool & Vacuum System



ATEX

THE KAV30 IS ATEX APPROVED FOR GAS ZONE 1 AND DUST ZONE 21 UNDER CATEGORY 2 OF THE ATEX DIRECTIVE.

The K series range of industrial dust collectors form an integral part of Trelawny TVS[®] (Tool and Vacuum System).

Uniquely available with a fully conductive accessory kit, stainless steel canisters mounted on a stainless steel caddy fitted with conductive braked castors & wheels. Each machine is issued with an earth path continuity certificate and where applicable the Type H versions include a filtration test certificate.

The K series range of industrial dust collectors form an integral part of Trelawny's TVS[®], Tool and Vacuum System, for our range of smaller hand held surface preparation equipment.

FEATURES & BENEFITS

- 30 litre capacity
- ATEX certified
- Optional HEPA option available
- Supplied with conductive tool kit
- Optional wet use version
- Suitable for use with Trelawny's TVS[®] range of handheld scaling tools

APPLICATIONS

- Collection of dust in hazardous environments categorised under category 2 of the ATEX directive
- Collection of dry dust and wet materials



USE WITH SF11



USE WITH NEEDLE SCALERS



USE WITH PEENING PREPARATION TOOL

SERIES KAV PNEUMATIC VACUUM **KAV30**

TECHNICAL DATA

Model	Part Number	Capacity (litres)	Output flow (M ³ per h / Lt per sec)	Air Consumption Lt per sec / cfm	Maximum vacuum at 100 psi (mm H ₂ O)	Dimensions (mm)	Weight (Kg)
KAV30 Dry	303.KAV30/D	30	110 - 33	16 - 35	2500mm / water gauge	890 x 460 x 500	14.5
KAV30 Dry Type H	303.KAV30/DH	30	110 - 33	16 - 35	2500mm / water gauge	1110 x 460 x 500	20.8
KAV30 Wet	303.KAV30/WD	30	110 - 33	16 - 35	2500mm / water gauge	890 x 460 x 500	14.5

KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	303.1060 303.1060/AS	HEPA filter (optional) Antistatic option
	303.1025 303.1025/AS	14" standard filter assembly Antistatic option
	303.1035	14" permaflow filter (optional)
	303.1050 303.1050/AS	14" float assembly - wet use Antistatic option
	303.1075 303.1075/AS	38 mm x 3 m hose Antistatic option
	303.1085 303.1085/AS	38mm dry tool kit Antistatic option

Image	Part Number	Description
	303.1095 303.1095/AS	38mm wet tool kit Antistatic option
	303.1100	38mm multipurpose tool with brushes
	303.1105 303.1105/AS	38mm x 125mm dusting brush Antistatic option
	303.1110	38mm stainless steel taper tube For joining hoses
	303.1005	K4 disposable bags - pack of 10 - For disposing of sealed waste such as hazardous dust
	303.1030	K6 paper filter - pack of 10 - For dry use applications

Dry models complete with:

- 38mm Tool kit (Part No. 303.1085)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Disposable paper bags

Wet & Dry models complete with:

- 38mm Tool kit (Part No. 303.1085)
- 14" Antistatic Float Assembly (Part No. 303.1050/AS)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Disposable paper bags

Dry Type H models complete with:

- 38mm Tool kit (Part No. 303.1085)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Disposable paper bags

Trelawny recommends an optimum air pressure of 6 bar for maximum efficiency

** ATEX Directive 99/92/EC - referring to health and safety of workers that might be at risk from explosive atmospheres. Classifies hazardous areas into zones which for dust range from zone 20 (combustible dust present continuously or for long periods); through zone 21 (combustible dust likely occasionally) to zone 22 (combustible dust not likely to occur, or for a short period).

** ATEX approved vacuums for use in gas zone 1 and dust zone 21 are available, please ask our sales team for details

** It is the end user responsibility to ensure & maintain a good earth bond at the air connection point

** HEPA - High Efficiency Particulate Air - filter for collection of hazardous dust

VL EX NEEDLE SCALER TVS PACKAGE

KAV30



TRELAWNY TVS HAS LONG BEEN AT THE FOREFRONT OF HAZARDOUS COATING REMOVAL. NOW WITH FULL ATEX CERTIFICATION OUR TVS NEEDLE SCALER AND DUST COLLECTION PACKAGES ARE THE SAFEST OPTIONS FOR SURFACE PREPARATION IN EX ZONES

Trelawny's EX TVS (ATEX Tool and Vacuum System) combines our TVS dust control, Vibro Lo™ vibration reduction and now ATEX for use in explosive environments in a complete descaling package.

Our tool and dust collector packages provide a safety conscious solution for removal of coatings and corrosion with full containment while working in hazardous environments.



Tool & Vacuum System



ATEX



Vibration Reduced

FEATURES & BENEFITS

- Choice of 3 kits based around our VL Ex needle scalers the VL303Ex, VL203Ex or VL223Ex
- TVS - Complete with KAV30 pneumatic HEPA dust collector for containment of hazardous coatings at source
- Vibro Lo™ vibration reduction technology to extend working time and reduce operator injury
- 30 Litre collection capacity
- Simple maintenance with no special tools required for reduced downtime

APPLICATIONS

- Removal of coatings, corrosion and materials in potentially explosive environments
- Full protection and containment of hazardous waste created during preparation



CONTAINMENT OF MATERIAL AT SOURCE



DUST FREE ENVIRONMENT



TVS™ VACUUM SHROUD

VL EX NEEDLE SCALER TVS PACKAGE

KAV30

TOOL & VACUUM PACKAGE

Model	Part Number	Complete With
VL223Ex Tool and Vacuum System	139.2523	VL223Ex Needle Scaler + KAV30 ATEX HEPA Vacuum
VL203Ex Tool and Vacuum System	139.2503	VL203Ex Needle Scaler + KAV30 ATEX HEPA Vacuum
VL303Ex Tool and Vacuum System	139.2533	VL303 Ex Needle scaler + KAV30 ATEX HEPA vacuum

KAV 30 TECHNICAL DATA

Part Number	Capacity (litres)	Output flow (M ³ per h / Lt per sec)	Air Consumption Lt per sec / cfm	Maximum vacuum at 100 psi (mm H ₂ O)	Dimensions (mm)	Weight (Kg)
303.10KAV30/DH	30	110 - 33	16 - 35	2500mm / water gauge	1110 x 460 x 500	20.8

KAV30 Vacuum ATEX Classification:

Ex II 2 G D c II C T50°C (T6)

*Certified for use in Gas Zone 1

Filtration:

1st Stage: Disposable Microfibre Bag

2nd Stage: Anti-Static (Conductive) Cloth Filter

3rd Stage: High Efficiency Particulate Air (HEPA) Filter.

Efficiency: 99.995% at 0.6 micron

KEY CONSUMABLES & ACCESSORIES



Image	Part Number	Description
	303.1025/AS	14" standard filter assembly Antistatic
	303.1060/AS	HEPA Filter
	303.1075/AS	38 mm x 3 m hose Antistatic

Image	Part Number	Description
	303.1085/AS	38mm dry tool kit Antistatic Included as Standard
	303.1105/AS	38mm x 125mm dusting brush Antistatic
	303.1005	K4 disposable bags - pack of 10 - For disposing of sealed waste such as hazardous dust Included as Standard

Trelawny recommends an optimum air pressure of 6 bar for maximum efficiency

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** It is the end user responsibility to ensure & maintain a good earth bond at the air connection point

** HEPA - High Efficiency Particulate Air - filter for collection of hazardous dust

TVS® - TOOL & VACUUM SYSTEM

TVS®



Tool & Vacuum System

TRELAWNY TOOL & VACUUM SYSTEM (TVS®) FORMS A HIGH PERFORMANCE, SAFETY FOCUSED SYSTEM FOR REMOVING HAZARDOUS COATINGS.

The TVS® range includes shrouded versions of all of our key surface preparation tools:

- Needle Scalers
- Scaling Hammers
- Hand Scabblers
- Peening Preparation Tool
- Floor Scabblers
- Deck Scalers

TVS® shroud kits are also retrofittable to a wide range of our tools. Please refer to individual product pages for part numbers.

FEATURES & BENEFITS

- Available for standard and Vibro-Lo™ ranges
- Range of dust collectors for Wet & Dry use available
- ATEX and HEPA options available

APPLICATIONS

- Removal of hazardous and non hazardous coatings and contaminants



DECK DESCALING



USE WITH SERIES K VACUUMS



REACH HARD TO ACCESS AREAS

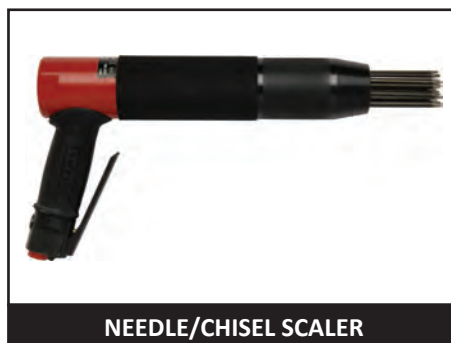
TVS - TOOL & VACUUM SYSTEM
TVS®
TVS MODELS - TOOLS FITTED COMPLETE WITH DUST SHROUD

Model	Part Number	Vacuum take off diameter (mm)
Single Scabblers SH1 fitted with shroud	139.5192	38
Triple Scabblers Cruciform Head Fitted with Shroud (Short Handle)	139.5390	38
Triple Scabblers Cruciform Head Fitted with Shroud	139.5392	38
Floor Scabblers MHS11 One Piece Bush	159.6051	38
Floor Scabblers MHS11 Two Piece Bush	159.6201	38
Floor Scabblers MHS11 Two Piece Cruciform	159.6211	38
Whirl Away 110v	175.3149	38
Whirl Away 230v	175.3150	38
Whirl Away Air	175.3147	38
VL223 Needle Scaler fitted with shroud	139.2103	38
VL203 TVS Needle Scaler Kit	139.2003	38
VL303 TVS Needle Scaler Kit	139.3003	38
1B In-Line TVS Needle Scaler	139.1007	38
2B In-Line TVS Needle Scaler	139.2007	38
2BPG TVS Needle Scaler	139.2107	38
3BPG TVS Needle Scaler	139.3107	38
VL219E Kit 110v 50hz	196.6102	38
VL219E Kit 115v 60hz	196.6116	38
VL219E Kit 230v 50hz	196.6104	38
Peening Preparation Tool 2" Air C Flaps	194.0205	38
Peening Preparation Tool 2" PPT Star	194.C205	38
Peening Preparation Tool 2" 110v C Flaps	195.1215	38
Peening Preparation Tool 2" 110v Star	195.C216	38
Peening Preparation Tool 2" 230v C Flaps	195.1220	38
Peening Preparation Tool 2" 230v Star	195.C221	38
Peening Preparation Tool 4" Air C Flaps	194.0405	38
Peening Preparation Tool 4" Air Star	194.C405	38
Peening Preparation Tool 4" 110v C Flap	195.1415	38
Peening Preparation Tool 4" 110v Star	195.C416	38
Peening Preparation Tool 4" 230v C Flap	195.1420	38
Peening Preparation Tool 4" 230v Star	195.C421	38
Deck Hammer SF11 c/w Dust Shroud	159.5912	38

REDUCED SPARKING ATTACHMENTS

Trelawny tools available with reduced sparking options can be identified by this logo

Trelawny supply a range of reduced sparking attachments made from Beryllium Copper or Aluminium Bronze which exhibit non-sparking and non-magnetic properties. These attachments can be a safer option when used in potentially explosive environments*.

**LONG REACH SCALER****NEEDLE/CHISEL SCALER****SF SCALERS**

REDUCED SPARKING ATTACHMENTS

KEY CONSUMABLES & ACCESSORIES

5/8" HEXAGON CHISELS



705.1100

229mm long x 50 mm Blade

Fits Long Reach Scalers & 3BPG Scaler

705.1112

203mm long x 100mm blade

Fits Long Reach Scalers & 3BPG Scaler

1/2" SQUARE CHISELS



704.3110

178mm long x 50mm blade

Fits VL Needle Scalers

704.1110

178mm long x 50mm blade

Fits B & BPG Needle Scalers

BERYLLIUM COPPER NEEDLES



403.1312

Set of 12 3mm needles

Fits 1B Needle scaler

403.1319

Set of 19 3mm needles

Fits 2B,2BPG, VL203, VL223

403.1328

Set of 28 3mm needles

Fits 3B, 3BPG, VL303

403.1349

Set of 49 3mm needles

Fits 4B

453.1310

Box of 100 3mm needles

Bulk pack for all models

443.1307

Box of 500 3mm needles

Bulk pack for all models

BERYLLIUM COPPER SCALING HEADS

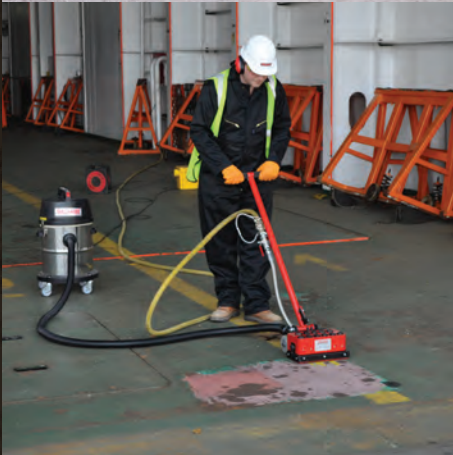


606.5303

Cruciform Taper Fit Scaling Head

SF Handheld and Deckscalers

* Please note that the tools in this section (page 14 & 15) are not ATEX certified. The attachments as specified are made from Beryllium Copper or Aluminium Bronze and can be used as a safer option than ordinary carbon steel attachments. Trelawny always advises that users carry out comprehensive risk assessments for their specific working environments.



Dealer Stamp:

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www.trelawnyspt.co.uk



Tel: +44 (0)1926 883781 • Fax: +44 (0)1926 450352 • Email: sales@trelawny.co.uk • Web: www.trelawnyspt.co.uk

Trelawny House, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, United Kingdom, CV31 1XT