

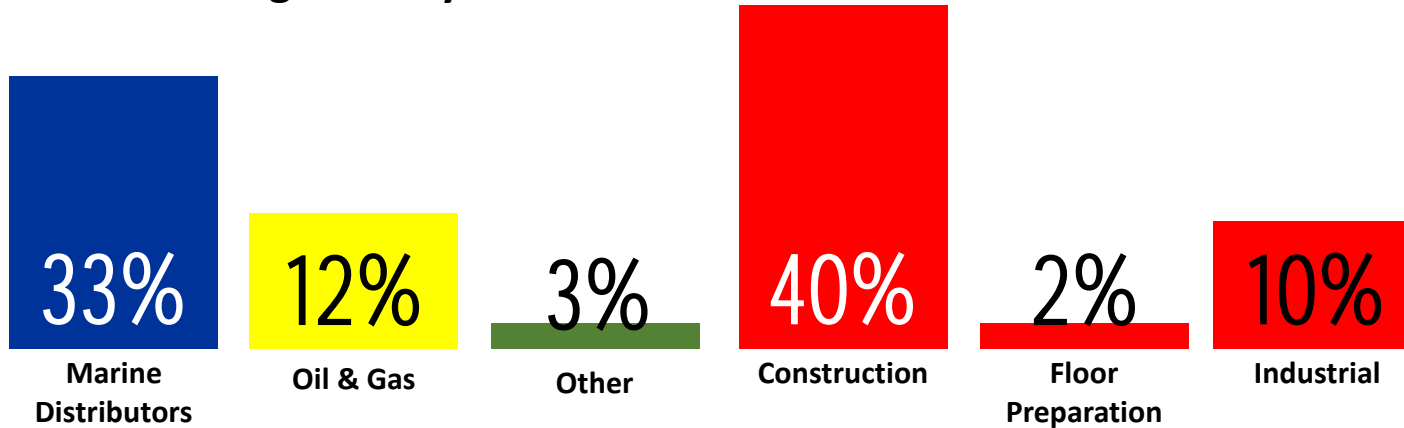
Surface Preparation equipment For Construction

Product overview





TRELAWNY SPT Strength in key Markets..



**We are working with our
global partners to grow our
distribution network!...**

..Trelawny SPT global supply..



All our products are manufactured in the UK.



Trelawny manufacture in the UK, and hold stock of our most frequently sold products, however **larger orders are produced on demand** and may be **subject to a lead time**. This will be **communicated at the time of order**.

Our key partners also hold relevant stocks...

Replenishment of stock can be by **AIR FREIGHT**, but preferably by **SEA FREIGHT**. We work with you to refine your demand pattern to enable the development of 3 month rolling forecast.

Good forecasting reduces your delivery costs..

MARINE



INDUSTRIAL



CONSTRUCTION



OIL & GAS





HAND SCABBLERS

- Preparing construction joints prior to next concrete pour



FLOOR SCABBLERS

- Reduce, remove and roughen for screeds and waterproofing
- Base Slabs, floors, bridges



SCARIFYING

- Removal of high spots, level and prep for overlays
- Floors, passages, bridge decks



GRINDING

- Level, flatten and smooth for epoxy's
- Carparks, basements and floors



CLEANING

- Chip and clean with chisels and needle scalers
- All plant and equipment, concrete buckets, mixers

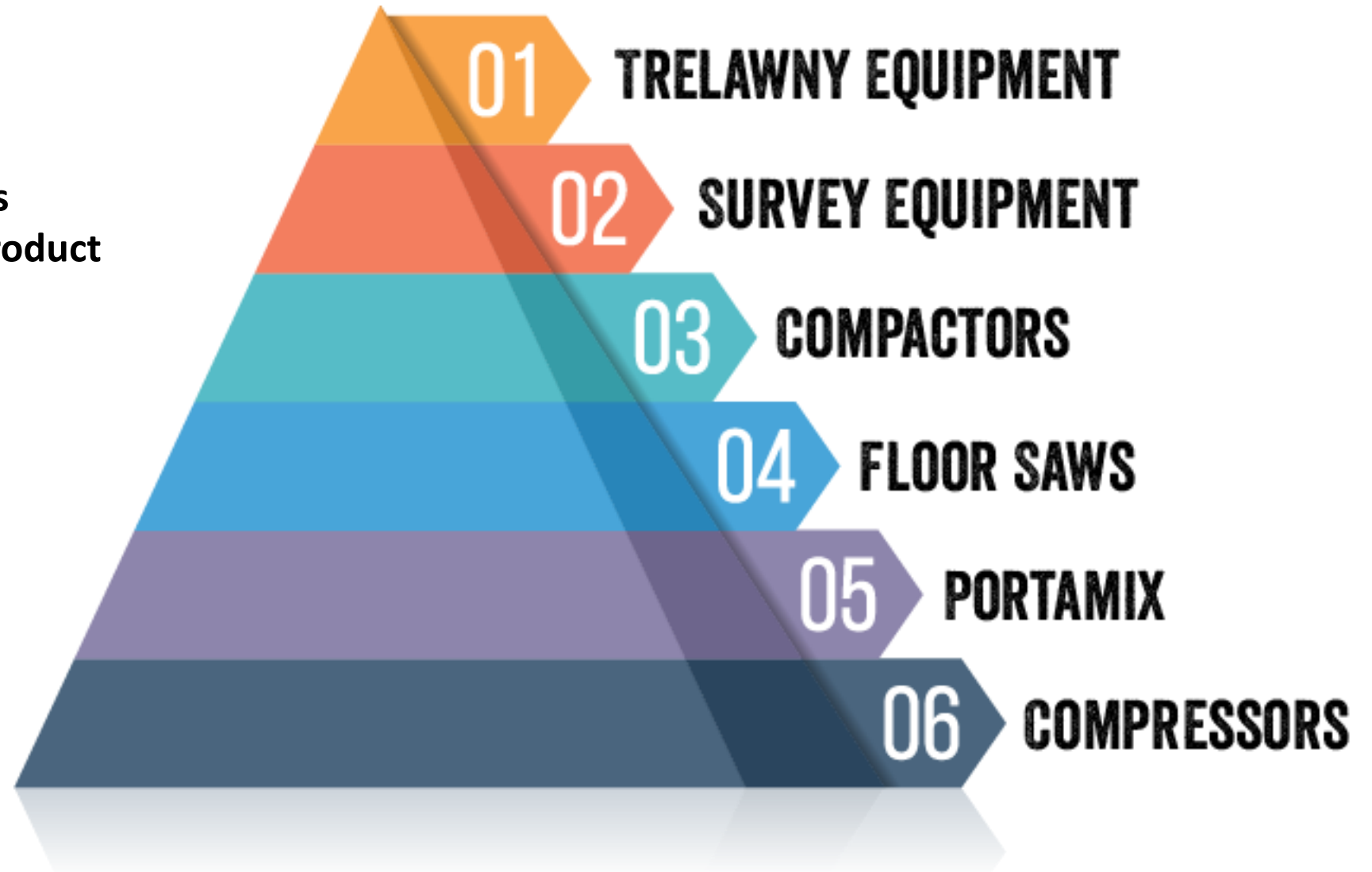
DUST CONTROL

- Contain dust and protect operators health, improve productivity & site cleanliness
- Use with all dust producing equipment in all areas

Construction site applications

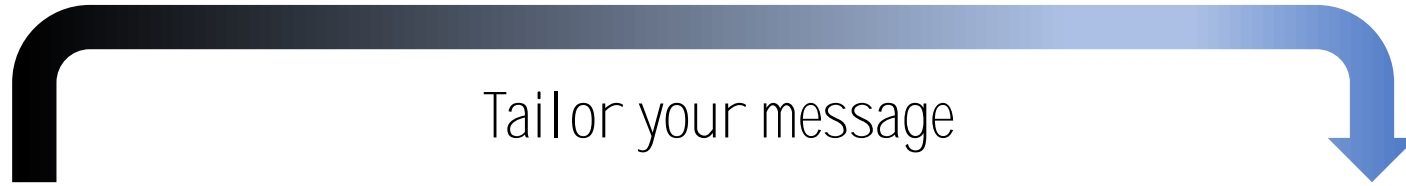


Are you maximising your sales potential with your current product line?



Why Trelawny?

- To standardise the product range
- Consolidation of the supply chain
- Advantageous pricing
- Compatibility and continuity of spare parts / consumables
- After sales service
- Warranty
- Quality product on board the entire fleet
- Trusted Key Supplier



Tailor your message

Fully customizable blank canvas



- **Your Branding**
 - Bespoke
 - Different & Unique
 - Stand out
- Promotional opportunity with own artwork
- Available on ALL walk behind machines
- Rationalised around a black chassis
 - Improve lead time
 - Allow for easy resale / auction
- Additional Cost per Machine: TBC based on volume demand

Bespoke vinyl wrap



SCAN HERE



QR Training
guide example*

*QR codes will be rolled out on all products throughout 2021



Hands up if you need Vibro LoTM?

Vibro LoTM, Trelawny's innovative solution to protect operatives from the damaging vibration emitted by tools.



What is haws?

Hand arm Vibration Syndrom



“A GROUP OF SYMPTOMS, CAUSED BY
damage, resulting from the use of
VIBRATION EMITTING TOOLS”

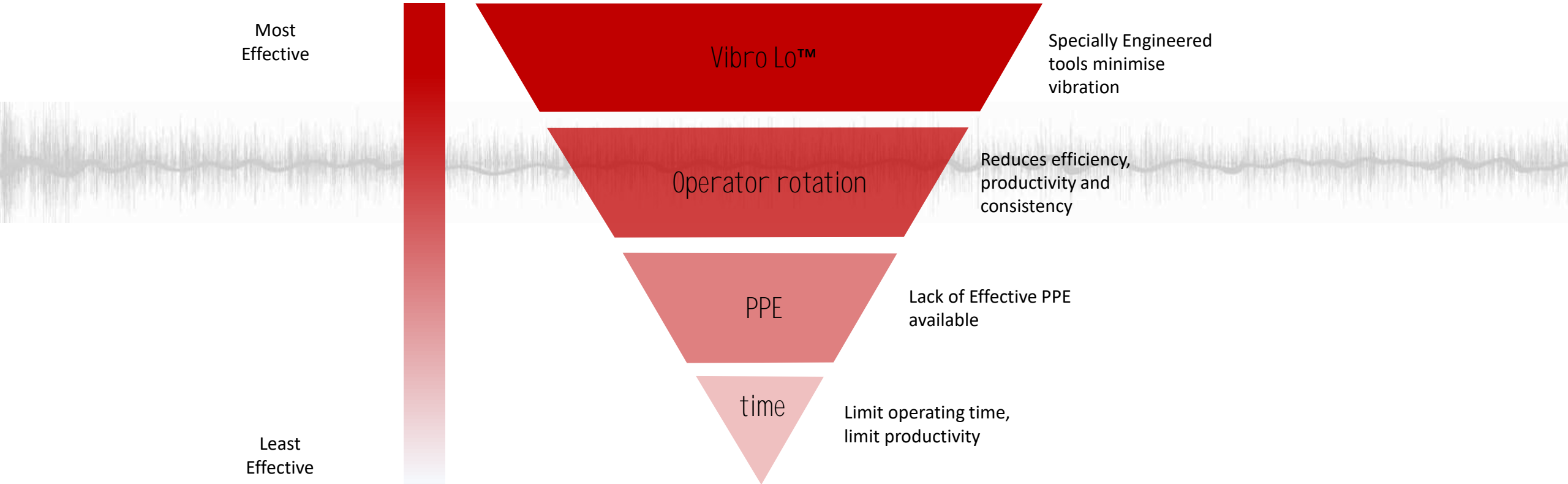
“ESTIMATED UP TO 10 million workers
worldwide exposed to high levels of
VIBRATION IN THE WORKPLACE”

What the Law says..



- **ANSI** standard Follows **EU** standard
- Permits a daily **Exposure limit 5m/s²** of vibration across an **8 Hour** Period
- **Monitor and controls** should be implemented **above 2.5 M/S²** across an **8 hour shift**

What are the solutions?



Introducing Vibro LoTM ..



With all tools designated Vibro LoTM, Trelawny have engineered the tool to have the lowest possible vibration while maintaining superior performance



Trade show



Multilingual



training



sales meeting



Virtual Support



Trelawny manufacture a range of tools and equipment for concrete surface preparation



Scarifiers



Scabblers



Grinders

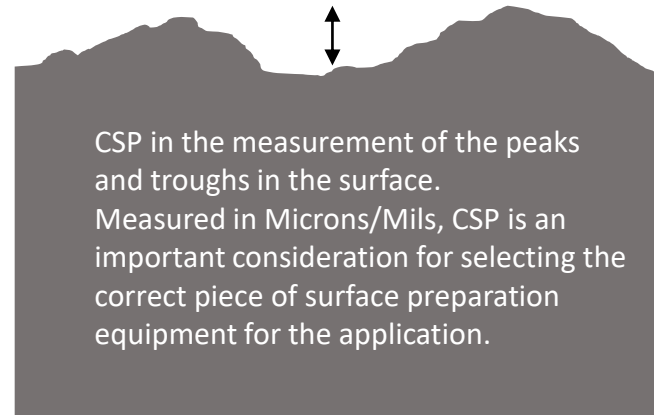
THE PRINCIPLE OF SURFACE PREPARATION IS TO...

- **P**roduce a Mechanical Key – We use this term “key” to refer to the mechanical Bond between substrate and coating. The better the mechanical key the greater bond between the coating and substrate
- **R**emove saturated contamination – Any liquid that has penetrated the structure of the concrete may effected the bonding of a new coating. Oil, Grease etc.
- **E**liminate surface contamination – By contamination we mean any material which will stop the coating adhering directly to the substrate for example old coatings and laitance.
- **P**roduce floors that are flat so that coverings do not mirror substrate imperfections.

*Inadequate or absent floor preparation, **can** and **does** result in the premature failure of a floor. **Over 90%** of all floor failures are due to poor or missing preparation.*

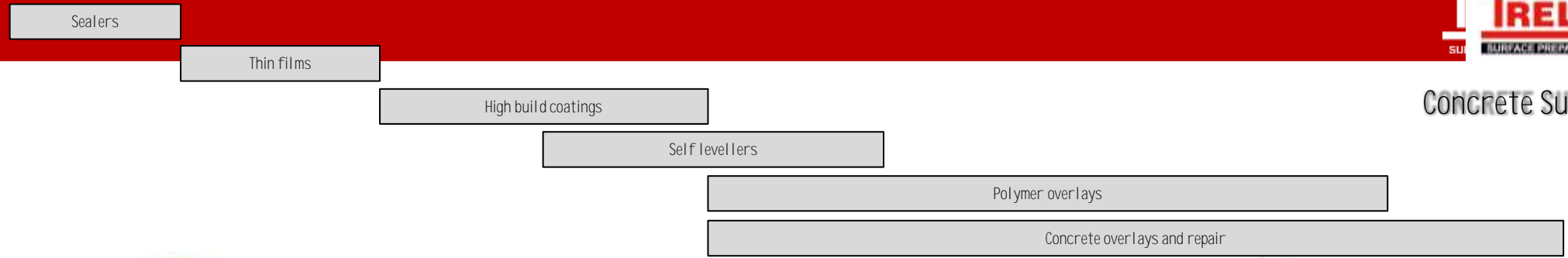
What is the Concrete Surface Profile and why is it important?

Concrete Surface Profile (CSP)



CSP is the measurement of the peaks and troughs in the surface. Measured in Microns/Mils, CSP is an important consideration for selecting the correct piece of surface preparation equipment for the application.

Material



machine



TCG Grinders



TFP Scarifiers



Mhs scabblers



Scarfing →



grinding →



Scabbling →

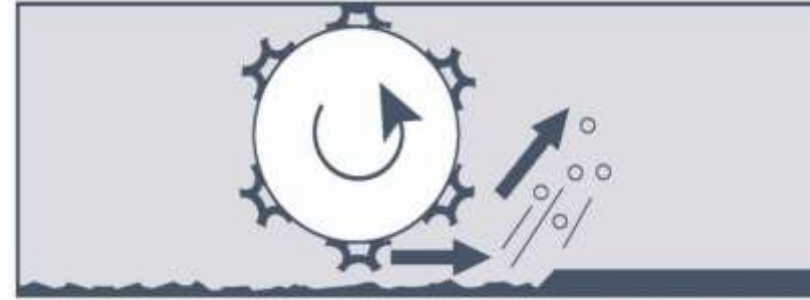
accessory

Scarifiers & Shaver

- TFP200
- TFP260
- TFP350



Scarifiers use a drum of cutters (flails) which rotate at high speed impacting the surface to provide an aggressive “cut” to the surface.



Scarifying or planing produces a heavy, rough textured profile CSP4-CSP9

Profile/finish



Why use scarifiers?

- Remove coatings over 1mm thickness such as screeds, old coatings, adhesives and contaminates
- Concrete reduction and levelling due to incorrect floor levels
- Grooving and Profiling for non slip applications such as car parking ramps
- Provide a textured finish
- Remove line markings
- Remove trip hazards



Prep for new over lays



Remove road markings



Profile and texture



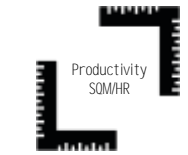
Remove hard coatings



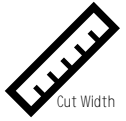
Where Used

- **Industrial Flooring** - Warehouses, factory's
- **Bridge deck** - Construction and rehabilitation
- **Major civil projects** – Airports, towers, malls
- **Carparks** – Construction & repair
- **Grooving** – Cattle sheds, parking ramps, aprons
- **Line and marking removal** – Roads, runways, factory's





Productivity
SOM/HR



Cut Width



kg



Power



Consumable
Lifespan
Hrs



TFP200

25sqm

200mm

70Kgs

Electric, Petrol, Air

50Hrs



TFP260

35sqm

250mm

140Kgs

Electric & Petrol

50Hrs



TFP350

100sqm

350mm

300Kgs

Electric & Petrol

50Hrs

TFP200
New
Features

ADDITIONAL FEATURES...

- 4 Vinyl wrap – Bespoke branding for your customer
- 5 2" Dust port
- 6 Baldor Motor UL approved - > 15amp
- 7 High quality SKF Bearings
- 8 8" cutting width, ¼" depth with Tungsten Carbide Tooling



TFP200
New 2021
Features

ADDITIONAL FEATURES...

- 4 Vinyl wrap – Bespoke branding for your customer
- 5 50mm Dust port
- 6 Lafert motor options, Honda Petrol engines
- 7 High quality SKF Bearings and toothed drive belt
- 8 200mm cutting width, 3mm depth with Tungsten Carbide Tooling





TCT	TCT Grooving setup	Milling	Star	Beam	Wire brush	Shave
<ul style="list-style-type: none"> Remove - Hard Coatings, Epoxies Reduce, profile Prep for overlays and concrete 	<ul style="list-style-type: none"> Groove Profile 	<ul style="list-style-type: none"> Tough removal - Thick and soft coatings, Thermoplastics Lines and marking 	<ul style="list-style-type: none"> Light profiling ShotBlast profile Ready for paints and sealers 	<ul style="list-style-type: none"> Light profiling ShotBlast profile Ready for paints and sealers 	<ul style="list-style-type: none"> Clean – Grease, oils, flaking paint, light laitance, dirt ShotBlast profile 	<ul style="list-style-type: none"> High production Shave hard coatings Rapid reduction Profile and groove Reduce grinding Ready for polishing No damage
<ul style="list-style-type: none"> Concrete Asphalt Steel 	<ul style="list-style-type: none"> Concrete 	<ul style="list-style-type: none"> Concrete Asphalt 	<ul style="list-style-type: none"> Concrete Asphalt Steel 	<ul style="list-style-type: none"> Concrete Asphalt Steel 	<ul style="list-style-type: none"> Concrete Asphalt Steel 	<ul style="list-style-type: none"> Concrete
<ul style="list-style-type: none"> CSP 6-9 	<ul style="list-style-type: none"> CSP 6-9 	<ul style="list-style-type: none"> CSP 3-6 	<ul style="list-style-type: none"> CSP 4-5 	<ul style="list-style-type: none"> CSP 3-4 	<ul style="list-style-type: none"> CSP 1 	<ul style="list-style-type: none"> CSP 3

Introducing the TFP350



TRELAWNYTM
SURFACE PREPARATION TECHNOLOGY

New for 2021!

The TFP350 next generation scarifier and shaver

The Trelawny TFP350 is a bold new design featuring enhanced control and function.

- 350mm/14" Cutting width
- 20mm/3/4" Cut depth (With diamonds)
- Shave or Scarify
- 20hp drum motor
- Independent wheel motors
- Digital control

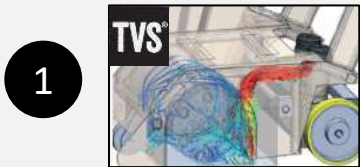


CSP 3

CSP 9



Optimised performance



1

CFD optimised
dust extraction



2

Transport
system



3

High torque
wheel motors



4

Digital control
panel



5

Optimised for
transport



6

Diamond shaver
or scarifer

Digital control



- 1 Digital display
- 2 Precision speed
- 3 Accurate depth

Control at your fingertips

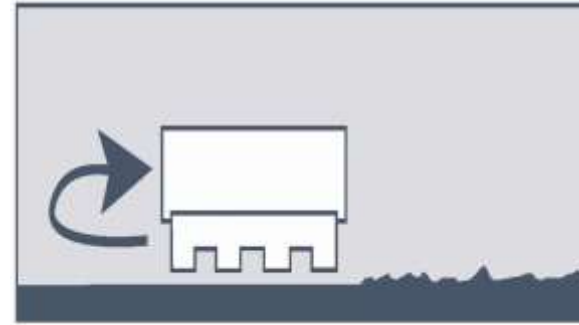
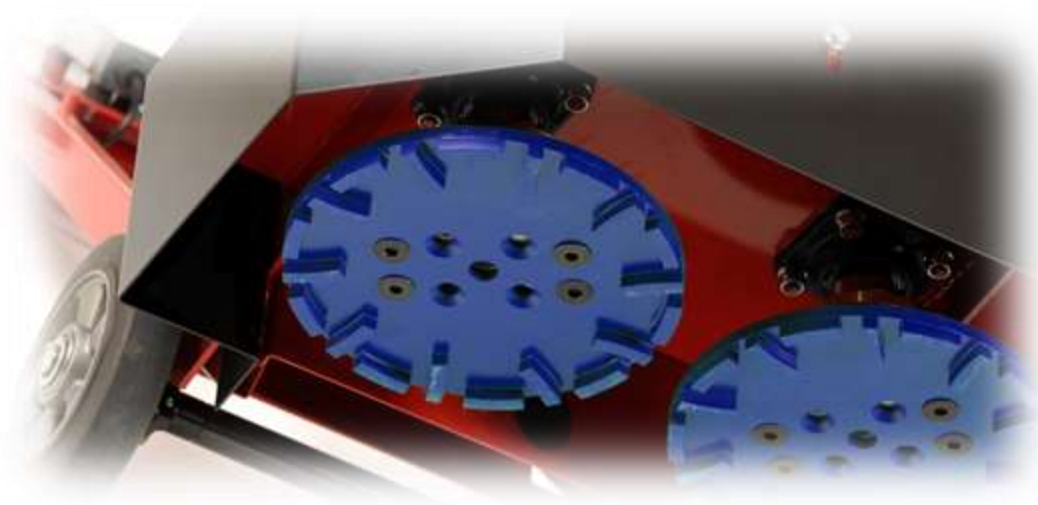
- 4 Direction control
- 5 Warning signals
- 6 Lights & modes

GRINDERS

- TCG250
- TCG500



Grinders use a rotating disc commonly fitted with diamond or other hard abrasives to level, smooth and clean the surface, grinders flexibility to be fitted with a range of different tooling make them the ideal machine for a wide range of surface preparation tasks.



Grinding produces a level flat surface with an ideal profile for many sealers, coatings & surface finishes.

Profile/finish



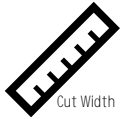
Why use grinders?

- Remove thin coatings, adhesives, cement screeds
- Level and smooth bumpy & rough concrete
- Create the correct profile for application of thin coatings and sealers
- Create a finished or decorative surface.





Productivity
SOM/HR



Cut Width



kg



Power



Consumable
Lifespan
SOM



Tcg250

25sqm

250mm

90Kgs

Electric & Petrol

1000 SQM



Tcg500

40sqm

500mm

114Kgs

Electric & Petrol

1000 SQM

Tcg
New 2021
Features

ADDITIONAL FEATURES...

- 4 Electric & petrol power
- 5 2"/50mm Dust port and water inlet for wet grind
- 6 Optional weight compartment
- 7 Adjustable skirt and brush for dust free operation
- 8 250mm grinding diameter with wide range of tooling options



QR system



Remove



Prep



Finish



- A solution for all applications
- Correct tool for the situation
- Productive & easy to change

TCG Flexible Grinding system



Economical grinding



- Simple to understand
- Cost effective

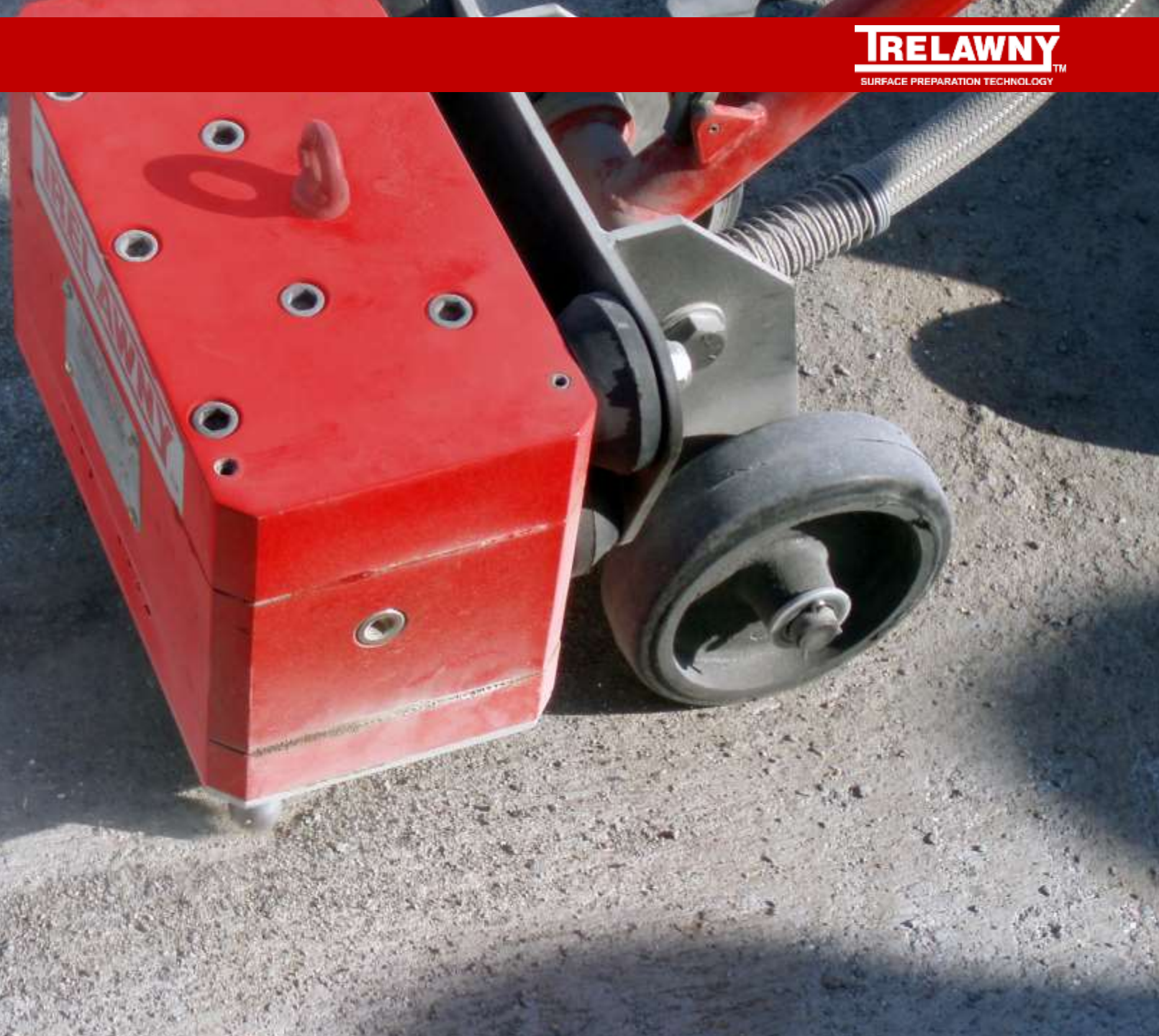
Scabblers

Walk-Behind

- MHS5
- MHS11

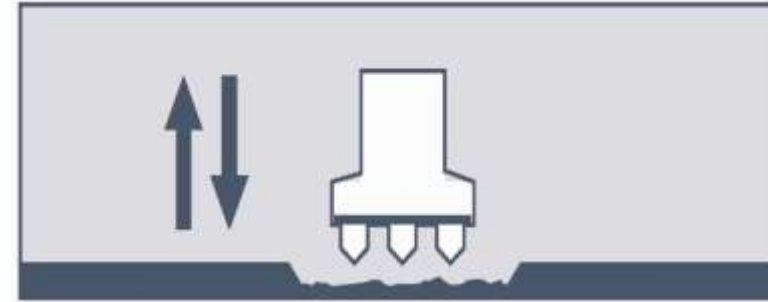
Handheld

- SH
- SC



Scabblers are percussive pneumatic tools using carbide tipped cutting heads to impact the surface. Models range from hand held tools to walk-behind floor machines.

Ideal for heavy removal and exposure of aggregate for a strong mechanical key for new concrete and overlays, correcting and renovation old or overpoured slabs.



Scabbling produces a heavy, rough textured profile CSP7-CSP9

Profile/finish



cruciform
Chops aggregate for flatter profile



BUSH
Creates a rough pitted profile

Why use scabblers?

- Prepare surfaces for application of fresh concrete, grout, mortars and renders
- Models for floors, construction joints, walls
- Reduce concrete levels over 6mm
- Remove very thick/hard coatings
- Remove Laitance
- Expose aggregate
- Rectify over poured slabs
- Create a heavy profile where material requires a heavy mechanical key



Prepare column joints



Prepare wall joints



Prepare floor slabs



Prepare walls

Where Used

- **Major civil projects**
Airports, Bridges, Stadiums, towers, infrastructure, dams
- **Concrete repair**
Bridges, tanks, large structures
- **Abatement & Nuclear**
Removal of contaminated material
- **Texturing and profiling**
Pre-cast, non-slip ramps, cattle sheds



MHS- Walk-behind



- 1 Vibro Lo™ 5 m/s²
- 2 Low Air - 55 cfm
- 3 Simple maintenance
- 4 Sealed cylinder block
- 5 High Blow rate, low impact damage
- 6 Dust shroud
- 7 MHS5 maximum reduction

LPS/LRS Pole - stand-up



- 1 Lever throttle and guard
- 2 25 CFM
- 3 Adjustable Vibro Lo™ Handle
- 4 1.3m height
- 5 Vibro Lo™ Vibration reduction system - 4.2 m/s²
- 6 Durable construction and low maintenance
- 7 Quick change Carbide tipped heads

SC - Hand-held



- 1 Carbide tipped pistons
- 2 Cast body and fewer internals for Durability
- 3 Back handle grip
- 4 Lightweight - 4.8Kgs
- 5 Lever throttle
- 6 16 cfm
- 7 Vibro Lo™ single head for tight areas

Case study on-site



Sewage Treatment Plant Kuwait Construction of water tanks



Chipping hammers

- ✗ Slow
- ✗ Labour intensive
- ✗ Damage to the concrete
- ✗ Poor bonding



MHS11

- ✓ 10 x faster production
- ✓ Consistent profile for improved bonding
- ✓ Dust free

Case study on-site



Electrical sub stations Qatar Construction of 12 substations



After the pouring of the floor slab, all areas where the vertical structure is to be cast, require the joint scabbling. Scabbling removes the poor & weak laitance and produces a profile to ensure a strong bond between the floor slab and fresh concrete.



Correct preparation of critical construction joints

Sh1 single head scabbl er

- ✓ Lighter than chipping hammer
- ✓ Lower air consumption
- ✓ Consistent profile for improved bonding
- ✓ Easy to handle between the Re-bar
- ✓ Lower cost
- ✓ Reduced maintenance



Utility

- VLLRS55 Pole Tamper
- SF Scaling Hammers
- Needle Scalers



VL-LRS55
Pole Tamper



Small area compaction

- Sized for small area re-instatements
- Vibro Lo for safety and control
- Compaction to 2.19 tonnes/m³
- Compliant with Highways and Utility requirements



Clean and scale pipes



SF3 "SHORT"
Ex



VL Needle
Scaler

TVS[®] Vibro Lo Ex



LONG REACH

- Chip
- Scrape
- Scale



One tool, multiple applications



chip



scrape



scale

Versatile range of options

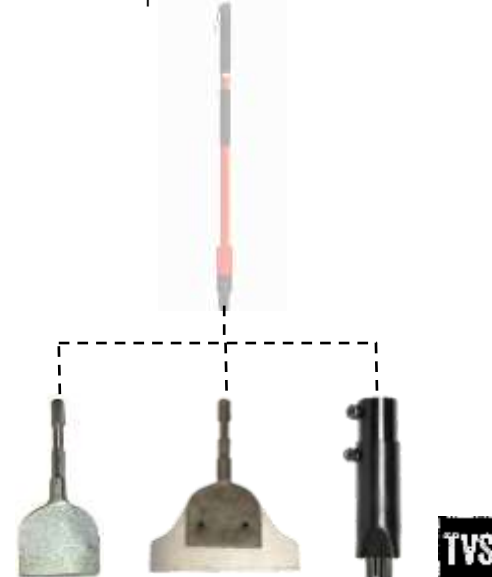
2ft – 6ft lengths



Ultra low cfm (4.5)



multiple attachments



two versions



Lightweight
Aluminium

heavyweight
steel



KEY TARGET MARKETS

- Flooring
- Renovation
- Utilities
- Oil and gas
- Infrastructure maintenance contractors
- Ship repair yards
- Industrial Painting contractors
- Lead abatement contractors
- Asbestos abatement contractors
- Ship owners/managers
- Ship builders
- Navy's
- Petro-chemical refineries
- Bridge maintenance crews
- Environmental contractors
- Railway maintenance facilities
- Concrete repair contractors
- Demolition contractors
- Food and beverage processing

OTHER TARGET MARKETS

- Equipment Rental companies
- Powerplants
- Chemical manufacturing & processing plants
- Foundries
- Steel erectors
- Construction material plants
- Precast factories
- Natural stone factories
- Cement plants
- Generating stations
- Pulp and paper mills
- Concrete block plants
- Pharmaceutical plants
- Fabricated companies
- Sheet metal manufacturers
- Primary metal manufacturers
- Waste water treatment plants



Carpet & lino



Coating & spillage



renovation



Flooring and tiling



waterproofing

a
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Dust collectors

A Series

For

- Hand tools and small machines
- Large Surface Prep machines



All concrete cutting, chipping, grinding and scarifying applications produce harmful silica dust, it is essential to use a professional Dust Collector.

Trelawny A Series Dust collectors are perfectly matched to our surface preparation machines to ensure a safe workspace.



All machines with the **TVS** Logo have a dust port for connection to a dust collector.

operation

- ① The motors generates negative pressure inside the body.
- ② The vacuumed material passes through the hose to enter in the container.
- ③ The heavier material falls down while the fine particles (dusts) are retained by the main filter.
- ④ The clean air passes through the suction motor and go back into the working environment.



Filtration



Filter CAT. L
Efficiency 3 micron



Filter CAT. M
Efficiency 1 micron



Filter Cat. M + absolute filter
Efficiency 99,995% up to 0,18 micron

All A Series Dust Collectors are Cat. M standard. Optional HEPA models use Certified H14 HEPA Filters

A series key competitive features

ADDITIONAL FEATURES...

- 4 Adjustable height chassis (Longopac)
- 5 Supplied with 5m hose
- 6 Longopac and bin options



1 High quality motors



2 Outstanding filtration and efficiency



3 100% steel durable construction

Features

- 2 Bypass motors
- Reverse pulse filter cleaner
- 50 & 40mm connections standard



Bin & Longopac

a22

Specs
Power (HP/KW)
Airflow (M3/hr- Lt/sec)
Vacuum Rate (mm. H2O)
Filter Surface area (m2)
Weight (Kgs)

3.1/2.3

360/100

2500

3

35

- 3 Bypass motors
- Manual filter cleaner
- 50mm connection standard



Bin & Longopac

a45

4.6/3.5
(4/3 110v)

540/150

2500

3

65

- Side channel blower motor
- Manual or Auto pneumatic reverse pulse
- 70mm connection standard



Longopac

a70

7.5/5.5

550/153

3000

7.5 (manual)
10.5 (auto)

146 (manual)
178.5 (auto)



Hand Tools

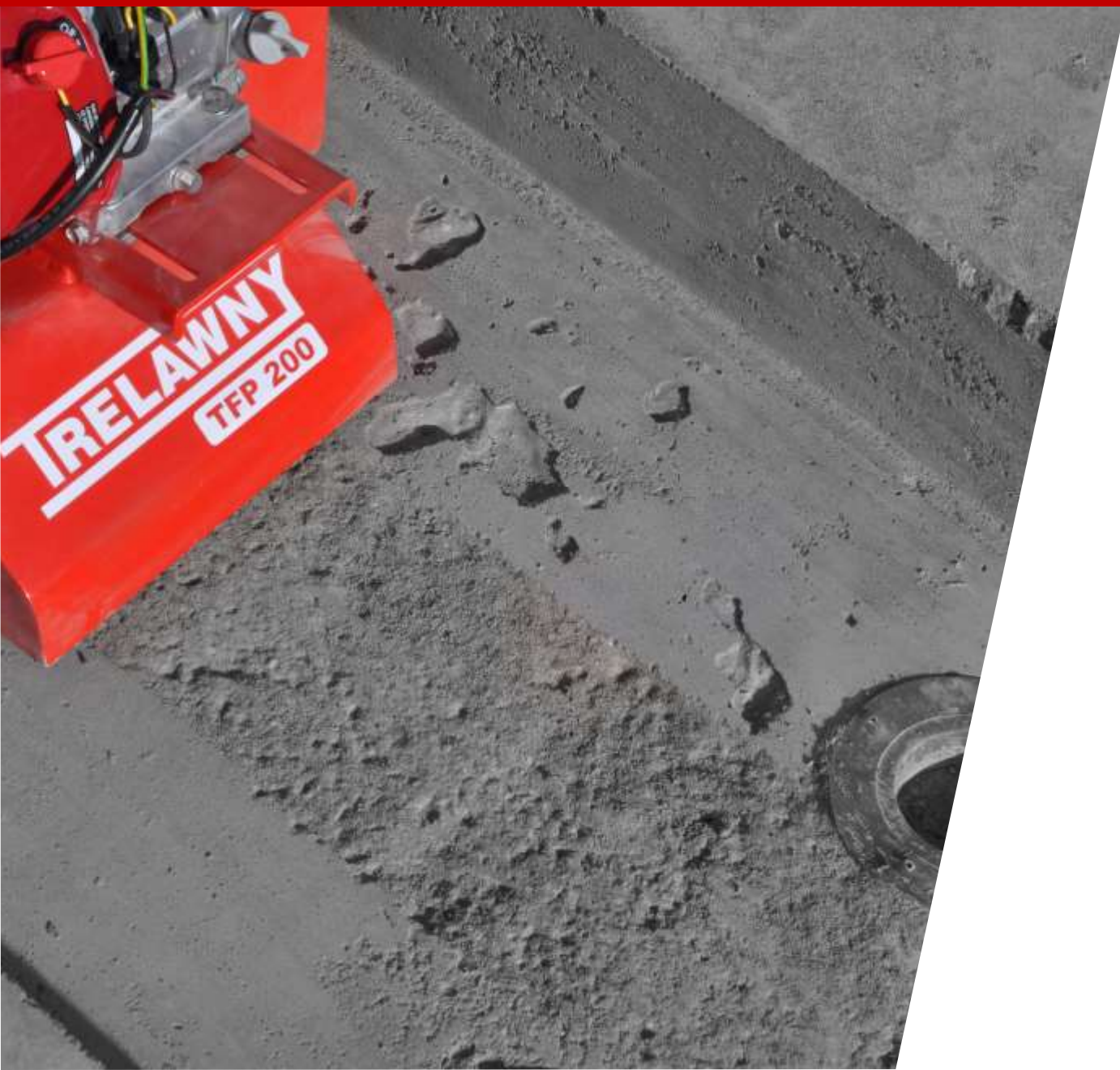


Small walk-behind



Large walk-behind





GET IN TOUCH TO FIND
OUT how we can work
together!

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