

TFP200 VM 82v FLOOR PLANNER

OPERATION & MAINTENANCE MANUAL



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INTRODUCTION

Thank you for choosing a product by Trelawny SPT Ltd, an innovative leading brand in the Surface Preparation sector.

This product has been manufactured under stringent quality standards to meet superior performance criteria. This manual contains the necessary maintenance information for you to ensure proper operation and care for this equipment.

In the unlikely event that you experience a problem please do not hesitate to contact your local Trelawny dealer or agent. We always welcome feedback and comments from our valued customers.



WARNING:

Carefully read through these original instructions before using your new TRELAWNY Equipment. Take special care to read warnings. TRELAWNY products have many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this product, making it easy to operate and maintain.



ENVIRONMENTAL PROTECTION:

The equipment, accessories and packaging should be sorted for environmentally friendly recycling. The plastic components are labelled for categorised recycling.



DISPOSAL:

Waste products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



GENERAL INFORMATION

Before operating any TRELAWNY equipment, this manual must be read and understood by the operator, if in any doubt ask your supervisor before using this equipment. Failure to follow these instructions could result in damage to the equipment and/or personal injury.

Trelawny SPT Ltd disclaims all responsibility for damage to persons or objects arising as a consequence of incorrect handling of the equipment, failure to inspect the equipment

prior to starting work for damage or other faults that may influence the operation of safe working of the equipment, or failure to follow the safety regulations listed or applicable to the job site.

Operators should be familiar with the data given in the specification section. Please keep these instructions in a safe and accessible place.

CE DECLARATION OF CONFORMITY



EU Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** declare that the DoC is issued under our sole responsibility and belongs to the following product:

PART NUMBER

DESCRIPTION

SERIAL NUMBER

YEAR OF CONSTRUCTION



The object of the declaration described above is in conformity with the relevant **Union Harmonisation Legislation**:

- | | |
|--------------|---|
| - 2006/42/EC | Machinery Directive |
| - 2014/30/EU | EMC Directive |
| - 2014/35/EU | Low Voltage Directive |
| - 2011/65/EU | Restriction of Hazardous Substances Directive |

The following harmonised standards and technical specifications have been applied:

- | | |
|---------------------|---|
| - EN ISO 12100:2010 | Safety of machinery |
| - EN 60204-1:2018 | Safety of machinery. Electrical equipment of machines - General requirements |
| - EN ISO 4871:2009 | Acoustics. Declaration and verification of noise emission values of machinery and equipment |

Technical files are held by Indutrade Benelux BV, Anton Philipsweg 1, 1422 AL Uithoorn, Netherlands

Notified Body:

Not Applicable. Machinery is not listed under ANNEX IV of the Machinery Directive.

Place of Declaration:

Trelawny SPT Ltd, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB

Date of Declaration:

December 2024

Signed by:

Daniel Rowledge
Managing Director

UKCA DECLARATION OF CONFORMITY



UK CA

UKCA Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** declare that the DoC is issued under our sole responsibility and belongs to the following product:

PART NUMBER

DESCRIPTION

SERIAL NUMBER

YEAR OF CONSTRUCTION



The object of the declaration described above is in conformity with the relevant **Statutory Requirements**:

- | | |
|------------------------|--|
| - 2008 No. 1597 | Supply of Machinery (Safety) Regulations 2008 |
| - 2016 No. 1091 | Electromagnetic Compatibility Regulations 2016 |
| - 2016 No. 1101 | The Electrical Equipment (Safety) Regulations 2016 |
| - 2012 No. 3032 | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 |

The following designated standards and technical specifications have been applied:

- | | |
|-------------------------------|---|
| - BS EN ISO 12100:2010 | Safety of machinery |
| - BS EN 60204-1:2018 | Safety of machinery. Electrical equipment of machines - General requirements |
| - BS EN ISO 4871:2009 | Acoustics. Declaration and verification of noise emission values of machinery and equipment |

Technical files are held by **Daniel Rowledge** at the Trelawny address stated above.

Approved Body:

Not Applicable. Machinery is not listed under ANNEX IV of the Supply of Machinery (Safety) Regulations 2008

Place of Declaration:

Trelawny SPT Ltd, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB

Date of Declaration:

December 2024

Signed by:



Daniel Rowledge
Managing Director

TFP200 VM 82v FLOOR PLANER

DECLARATION OF CONFORMITY

CZ	Prohlášení o přizpůsobení My, společnost Trelawny SPT Limited podávamey daňové příznání, že výrobek a dodávka výrobku název výrobku Model, výrobní číslo Rok výroby Pro které se průkaz týkající, je přizpůsobení s zásoy od následující příkazov a jejich pohotovostni: 2006/42/EC Příkaz soustrojí 2014/35/EC Příkaz nízkého napětí (upotřebitelné jediné do výrobku použiti elektrckej energie)	LT	ATITIKTIES DEKLARACIJA Mes, Trelawny SPT Limite Prisiimdami visą atsakomybę deklaruojame, kad tiekiamas / gaminamas produktas Produkto pavadinimas Modelis, serijos numeris Pagaminimo Kuriam taikoma ši deklaracija, atitinka šių direktyvų, norminių aktų ir su jais susijusių, standartų reikalavimus: 2006/42/EC Įrangos direktyva 2014/35/EC Žemos įtampos direktyva (taikoma tik elektriniams įrengimams)
DE	Übereinstimmungserklärung Wir, Trelawny SPT Limited erklären, dass unter unserer alleinigen Verantwortung für die Lieferung und Herstellung des Produktes Name des Produktes Model, Seriennummer Jahr der Herstellung auf welches sich dieses Dokument bezieht, stimmt mit den Vorgaben der folgenden Direktive, normativen Dokumente und deren jeweiligen Masstabe ein: 2006/42/EC Maschinieriedirektive 2014/35/EC Niederspannungsrichtkive (nur zutreffend auf Produkte, die Strom benutzen)	MT	DIKJARAZZJONI TA KONFORMITA Ahna, Trelawny SPT Limited Niddikjaraw li ahna responsabbli kompletament ghal provista / manifattura tal-prodott hawn 1msemmi: Isem il-Prodott Mudelli, Serial number Sena la 'produzzjoni Dan id-dokument magħmul għal prodott imsemmi hawn fuq, li huwa skond il-provizjonijiet imsemmija fid-dokumenti tal-klassi tax-xogħol: 2006/42/EC Machinery Directive 2014/35/EC Low Voltage Directive (tapplika biss għal prodotti li jahdmu bl-elettriku)
DK	Erklæring om overensstemmelse Vi, Trelawny SPT Limited Erklærer hermed at under vores ene forhandling ansvar for vores forhandling/produktion af produktet Produkt navn Model, serie nummer Produktionsår For hvilket dette dokument referer, at delei i overensstemmelse med bestemmelser af følgende direktiver, normative dokumenter og deres relevante standard: 2006/42/EC Machinery directive 2014/35/EC Low voltage directive	NL	EENVORMIGHEIDSVERKLARING Wij, Trelawny SPT Limited Verklaren dat wij de volledige verantwoordelijkheid dragen voor het leveren/fabriceren van het volgende product: Naam van het product Type, Serienummer Productiejaar En verklaren dat het product waarnaar dit document verwijst eenvormig is met de voorzieningen van de volgende Richtlijn(en), Normatieve Documenten en hun relevante Standaarden: 2006/42/EC MACHINERICHTLIJN 2014/35/EC LAAGSPANNINGSRICHTLIJN (uitsluitend van toepassing bij producten die elektrische stroom gebruiken)
EE	TOOTE VASTAVUSE DEKLARATSIOON Meie, Trelawny SPT Limited Deklareerime, et vastutame järgmise varustuse/toote müügi eest Toote nimetus Mudel, Seeria number Aasta tootangu Antud dokument tõendab toote vastavust järgmistele direktiivide/le, normatiivaktidele ja nendega samaväärsetele standarditele: 2006/42/EC MASINA DIREKTIIVID 2014/35/EC MADALPINGE DIREKTIIVID (Kohandatakse vaid toodetele, mis kasutavad elektrivoolu)	PL	Deklaracja Zgodnosci My, Firma Trelawny SPT Limited. oświadczamy w naszej odpowiedzialności, że produkcja i dostawa urzctdzien Nazwa produktu Model, numer seryjny Rok produkcji do którego ten dokument należy, jest zgodne z klauzulami następujących zarządzeń i ich istotnych standardów: 2006/42/EC Zarządzenie mechaniczne 2014/35/EC Zarządzenie niskiego napięcia elektrycznego (Zastosowanie tylko przy urządzeniach elektrycznych)
ES	Declaración de Conformidad Nosotros, Trelawny SPT Limited Declaramos que bajo nuestra completa responsabilidad de la fabricacion/suministro del producto Nombre del Producto Modelo, No de Serie Año de producción A quien este documento se refiere, está de acuerdo con lo relacionado en la Directriz, Normativa Documentada y sus relevantes standards: 2006/42/EC Directorio de Maquinaria 2014/35/EC Directorio de Bajo Voltaje (Aplicable solamente a productos que funcionen con electricidad)	PT	DECLARAÇÃO DE CONFORMIDADE CE A empresa TRELAWNY SPT LIMITED Declara, sob sua inteira responsabilidade, que o fornecimento/fabrico do seguinte produto: Designação do produto Modelo, Número de Série Ano de produção a que esta declaração se refere, está em conformidade com o preceituado nas Directivas e Normas Comunitárias abaixo indicadas: 2006/42/EC DIRECTIVA DE MÁQUINAS 2014/35/EC DIRECTIVA DE BAIXA VOLTAGEM (Aplicável apenas a produtos que utilizi am energia eléctrica)
FI	ILMOITUSVAHIVISTUS Me, Trelawny SPT Limited Vahvistamme tuotteen/toimitettamisesa/valmistamisesta Tuotteenimi Modelli, sarjanumero Valmistusvuosi Tällä todistuksella vahvistamme säädökset seuraavin ohje/ohjeisin, Yleisin papereihin ja niihin liittyvät vaatimukset: 2006/42/EC KONEISTON OHJEET 2014/35/EC PIENJÄNNITTE OHJEET (tarvitaan ainoastaan tuotteille jotka käyttävät sähkövoimaa)	RU	СВИДЕТЕЛЬСТВО О СООТВЕТСТВИИ Мы, Trelawny SPT Limited Завяляем, что несем полную ответственность за поставку/производство нижеуказанной продукции Наименование изделия Модель, серийный номер Год выпуска на которую выдано настоящее Свидетельство, и которая соответствует положениям слдующей(их) директив(ы), нормативным документам и относящимся к ним стандартам: 2006/42/EC ДИРЕКТИВА ПО МЕХАНИЗМАМ 2014/35/EC ДИРЕКТИВА ПО НИЗКОВОЛЬТНОМУ ОБОРУДОВАНИЮ (распространяется только на изделия с электропитанием)
FR	DÉCLARATION DE CONFORMITÉ Nous, soussignés Trelawny SPT Limited déclarons que le produit sous-nommé Nom du produit Modèle et Numéro de Série Année de production et pour lequel nous prenons entière responsabilité pour sa fourniture et manufacture, est conforme aux clauses des directives suivantes documents nominatifs et normes qui s'y appliquent: 2006/42/EC DIRECTIVE POUR LA MACHINERIE 2014/35/EC DIRECTIVE POUR BAS VOLTAGE (n'est applicable qu'aux produits utilisant l'énergie électrique)	SE	FÖRSÄKRAN OM ÖVERENSSTÄMMELSE VI, TRELAWNY SPT LIMITED FÖRKLARAR ATT VI MED ENSAMT ANSVAR ANSKAFFAT / TILLVERKAT PRODUKTEN PRODUKTNAMN MODELL och SERIE NUMMER Tillverkningsår TILL VILKEN DETTA DOKUMENT HÄNVISAR ÄR I ÖVERENSSTÄMMELSE MED FÖLJANDE DIREKTIV, NORMATIVA DOKUMENT OCH DERAS RELEVANTA STANDARDER 2006/42/EC MASKINDIREKTIV 2014/35/EC LÅGSTRÖMSDIREKTIV (TILLÄMPLIG PÅ ELEKTRISK DRIVNA PRODUKTER)
GR	ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ Η εταιρεία Trelawny Spt Limited Δηλώνει ότι έχει τη μονδική ευθύνη ως κατασκευαστρια / προμηθευτρια του παρακάτω προϊόντος περιγραφή προϊόντος μοντελο, αριθμός σειράς έτος παραγωγής και στο οποίο αναφέρεται αυτή η δήλωση, είναι συμβατό με τις προδιαγραφές που ορίζονται στις ακόλουθες Κοινοτικές Οδηγίες Ελεγκτικές Διατάξεις κι άλλες σχετικές προδιαγραφές 2006/42/EC ΟΔΗΓΙΑ ΠΕΡΙ ΜΗΧΑΝΗΜΑΤΩΝ 2014/35/EC ΟΔΗΓΙΑ ΠΕΡΙ ΧΑΜΗΛΗΣ ΤΑΣΗΣ (αφορά μόνον προϊόντα που λειτουργούν με ηλεκτρικό ρεύμα)	SI	IZJAVA O SKLADNOSTI Trelawny SPT Limited pod polno odgovornostjo izjavljamo, da so spodaj navedeni proizvodi, ki jih dobavljamo/proizvajamo: Ime proizvoda Model, serijska številka Leto proizvodnje na katere se ta dokument nanaša, proizvedeni v skladu z določili naslednjih direktiv, normativnih dokumentov in njihovih relevantnih standardov: 2006/42/EC DIREKTIVA O STROJIH 2014/35/EC DIREKTIVA O STROJIH Z NIZKO VOLTAŽO (nanaša se samo na proizvode na električni pogon)
HU	MEGFELÉLŐSÉGI NYILATKOZAT Mi, A "Trelawny SPT Limited" cég Felelősségünk tudatában kijelentjük, hogy mint a termék szállítója/gyártója Termék neve Típus, Sorozatszám Gyártási év amelyre jelen dokumentum vonatkozik, megfelel az alábbi Irányelv(ek), Irányadó Dokumentumok előírásainak, és az azokat meghatározó szabványoknak: 2006/42/EC GÉPÉSZETI IRÁNYELVEK 2014/35/EC KISFESZÜLTÉSÉG IRÁNYELVEK (Csak az elektromos meghajtású gépeknél)	TR	UYGUNLUK BEYANI Trelawny SPT Limited Apaöyđaki, üretil ve tedarikinden tek ba'ýna sorumlu olduđu ürünün Ürün ady Model/Seri no Üretilen yili bu belgenin ilgili olduđu apaöyđaki yönetmeliklerin, norm belgelerinin ve ilgili standartların ko'ullarına uygun olduđunu beyan eder: 2006/42/EC MAKÝNALAR YÖNETMELÝĐÝ 2014/35/EC DÜPÜK GERÝLÝM YÖNETMELÝĐÝ (Yalnızýz elektrikle çalyan ürünlerde geçerlidir)
IT	DICHIARAZIONE DI CONFORMITA La Società Trelawny SPT Limited Dichiara, sotto la propria responsabilità, che la fornitura / produzione del prodotto Nome prodotto Modello, codice Anno di produzione a cui si riferisce tale documento è conforme alle seguenti Direttive, ai documenti della Normativa ed ai relativi standard: 2006/42/EC DIRETTIVA SULLE APPARECCHIATURE 2014/35/EC DIRETTIVA SUL BASSO VOLTAGGIO (applicabile esclusivamente per i prodotti che utilizzano energia elettrica)		

HAND ARM VIBRATION

Trelawny Equipment may cause hand-arm Vibration Syndrome injury if their use is not adequately managed.

We advise you to carry out a risk assessment and to implement measures such as; limiting exposure time [i.e. actual trigger time, not total time at work], job rotation, ensuring the tools are used correctly, ensuring the tools are maintained according to our recommendations, and ensuring that the operators wear personal protective equipment (PPE) particularly gloves and clothing to keep them warm and dry.

Employers should consider setting up a programme of health surveillance to establish a benchmark for each operator and to detect early symptoms of vibration injury.

We are not aware of any PPE that provides protection against vibration injury by attenuating vibration emissions.

See 'Specifications' section for vibration emission data.

Further advice is available from our Technical Department.

We strongly advise you to visit the Health & Safety Executive website <http://www.hse.gov.uk/vibration> - this site provides excellent advice and information on HAV and currently, includes a Hand-Arm Vibration Exposure Calculator that is easy to use to work out the daily vibration exposure for each of your operators.

WARRANTY

When you choose TRELAWNY, you're investing in a product engineered for strength, durability, and unwavering reliability. Our equipment is built to endure the toughest challenges, showcasing over 80 years of craftsmanship in Surface Preparation Technology. We take pride in being the industry benchmark, offering not just a tool but a lasting companion for tough jobs, backed by a 12-month warranty for peace of mind.

Register your TRELAWNY product within 30 days of purchase by scanning the QR code to activate your warranty and enjoy the full support from our team.

PLEASE RETAIN YOUR PROOF OF PURCHASE, AS IT WILL BE REQUIRED TO PROCESS ANY WARRANTY CLAIMS.

The following are not covered under the Trelawny warranty:

- Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
- Alterations, additions or repairs carried out by persons other than Trelawny or their recognised agents.

- Transportation costs to and from Trelawny or their recognised agents, for repair or assessment against a warranty claim, on any equipment.
- Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

In no case whatsoever shall the Customer be entitled to claim damages, in particular but not be limited, loss of profit and other direct or indirect or consequential damage. This exclusion of liability, however, does not apply to unlawful intent or gross negligence on our part, but does apply to unlawful intent or gross negligence of persons employed or appointed by us to perform any of his obligations.



All warranty claims should firstly be directed to Trelawny SPT Ltd. Please provide, part number, serial number and proof of purchase, either by telephone or E-mail.

Tel: +44 (0)1926 883781

Email : warranty@trelawny.com

GENERAL SAFETY

DO:

- Wear personal protective equipment including safety goggles, footwear, ear defenders and gloves. In some environments it will be necessary to wear facemasks or breathing apparatus.
- Be aware that this equipment can create dust and flying debris.
- Keep hands, feet and clothing away from moving parts.
- Follow the prestart checks detailed in this manual.
- Ensure that the workplace is well ventilated.
- Be aware of others working around you.
- Always follow safe-working practices.
- Inspect the equipment prior to using.
- Store this equipment in a secure and dry environment.

DO NOT:

- Modify this equipment in any way. This will invalidate the warranty and could lead to serious injury.
- Allow the equipment to run unattended.
- Use petrol (gasoline), thinners or any other high flash point solvent to clean the equipment.
- Disassemble or repair unless Trelawny trained.
- Permanently fix the operating lever or button in the on/run position.

BATTERY SAFETY

If the battery pack leaks fluid or smells strangely, IMMEDIATELY move it away from any heat sources or flame. There is a risk of fire or rupturing if the leaked liquid or gas ignites.

The Battery Pack contains combustible organic solvents as an electrolyte solution. If the liquid gets into your eyes, rinse them with plenty of water. After that, IMMEDIATELY seek medical care.

When the Battery Pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

In case of fire, STOP using the machine immediately and extinguish with dry chemical, sandy soil, carbon dioxide or appropriate foam.

The Battery Pack will deteriorate if it is repeatedly charged and discharged, as well as if it is stored and not used.

As the Battery Pack deteriorates, its full-charge capacity decreases and the length of time it can be used shortens. Once the full-charge capacity is reduced by deterioration, it cannot be recovered and cannot reach the charging capacity of a new Battery Pack.

WORK ON THE BATTERY PACK OR POWER UNIT MUST ONLY BE CARRIED OUT BY QUALIFIED PERSONNEL.

DO:

- Use a genuine battery pack that is intended for this machine.
- Keep the battery pack clean and dry.
- Remove the battery pack from the power unit when carrying or checking it.
- Charge the battery pack in a recommended charging unit.

DO NOT:

- Touch the Battery Pack's connectors with metal objects or insert metal objects through openings into the Battery Pack.
- Allow the battery pack to come into contact with water.
- Allow children to use the Battery Pack. Store the Battery Pack out of the reach of children.
- Store the Battery Pack in a damp location. Doing so can cause a malfunction.
- Expose the battery pack to extreme temperatures (Below 5°C or above 40°C)
- Attempt to service a damaged battery pack.
- Subject the Battery Charger to excessive physical shock, such as by dropping or hitting it.
- Use the Battery Charger to charge anything other than approved Battery Packs. Use only authentic Battery Packs.
- Touch the battery pack terminals with metal. Mishandling them could result in electric shock or fire, which may kill or seriously hurt you. Follow the procedures and instructions provided in the manufacturer's manual.

CHARGER SAFETY

To reduce risk of injury, charge approved rechargeable batteries only. Other types of batteries may burst causing personal injury and damage.

This Battery Charger is not intended for use by children or persons with physical, sensory or mental limitations or a lack of experience or knowledge.

Continued use of the battery charger under unusual conditions could result in fire or electric shock.

DO NOT modify the battery charger. Modifying, disassembling or repairing the battery charger could result in fire or electric shock, which can cause death or serious injury.

Before using the battery charger / charging a battery pack, people who are using an electrical medical device must confirm how their device might be affected. The electromagnetic radiation produced during charging may affect the operation of electronic medical devices, which may kill or seriously hurt you.

If the battery pack leaks fluid or smells strangely, stop using it and contact your servicing agent. Battery pack contains combustible organic solvents as an electrolyte solution. Mistakenly handling them may result in burns or serious injuries.

DO NOT:

- Use the battery charger in locations where the Battery Charger becomes unstable.
- Use the battery charger in locations that are very cold or very hot, such as in direct sunlight or near a heater.
- Use the battery charger in locations exposed to water or excessive humidity.
- Use the battery charger in locations where children or pets might play with it.
- Charge Battery Packs if there is the risk of a lightning storm.
- Charge if the electric outlet is loose.
- Charge if the Battery Charger, AC cable, or the electric outlet is damaged or deformed, dusty, dirty, or rusty.
- Plug too many power cords into one electric outlet.
- Charge while the AC cable is wound up.
- Stand on or place heavy objects on the Battery Charger or AC cable.
- Pull or repeatedly bend the AC cable or charging cable with an excessive force.
- Touch the Battery Charger or AC cable if your hands are wet.
- Splash or submerge the Battery Charger or AC cable in water.
- Leave the AC plug plugged into the electric outlet after you have finished charging.
- Subject the Battery Charger to excessive physical shock, such as by dropping or hitting it.

BATTERY CHARGING

- The battery pack is not supplied fully charged. It is recommended to fully charge before use to ensure that the maximum run time can be achieved.
- Always allow the battery to complete 5 charge cycles (A cycle is defined as 100% - 0% - 100%) to enable the battery to reach its optimum capacity.
- This charger should only be used on a 230v AC 50/60Hz supply with a minimum load current of 10A.
- NOTE: Only charge compatible batteries with the charger.
- Plug the power lead into the charger body.
- Connect the power lead plug into a suitable rated mains power supply socket.
- Place the charger on a flat surface.
- Do not use the charger in any explosive atmospheres and keep away from combustible powders, water sprays or metallic dust or shavings.
- Slide the battery into the slot of the charger ensuring that the battery contacts are aligned with the charging blades.
- Gently push the battery firmly into the charger slot.
- Switch the power outlet on.
- The battery will only charge if the charge level is below 69%.
- The approved charger is a diagnostic charger. The charger LED light will illuminate in specific order to communicate the current battery status. They are as follows:

LED STATUS	BLINKING GREEN	SOLID GREEN	SOLID RED	BLINKING RED
Description	Charging	Fully Charged	Over Temperature*	Charging Fault*

* Refer to the Troubleshooting guide.

PRE START CHECKS (DAILY)

- Thoroughly inspect the machine for signs of damage.
- Check all bolts and screws for tightness. Ensure that all fittings are secure.
- Check the drive belts for correct tightness. There should normally be approximately 13mm (1/2") of free play when the belt is depressed in the middle position between the two pulleys. To check and set the belt tension, refer to the maintenance section.
- Ensure there is no excessive debris present on the machine.
- Ensure the battery is fully inserted into the power unit.
- Ensure the battery is sufficiently charged.
- Do not use the battery if it shows signs of damage/wear.
- If the battery is leaking fluid, place it in a secure location away from flammable materials and arrange for safe disposal.

STARTING WORK

- Manually remove any nails, studs, pins, rebar etc. from the area before starting work. Attempting to use this machine with such items in place will damage the disc and/or machine.
- Ensure that the cutter drum is clear of the ground by turning the Hand Wheel anti-clockwise to its full height. In this position the machine's wheels are locked in position, acting as a hand brake; the machine cannot then accidentally roll away if left unattended.
- The Trelawny TFP200 can be fitted with a range of different cutter drum options for the preparation of a range of substrates and surface preparation applications.
- See page 12 for the full range of cutter drums and configurations to suit your application.

OPERATION

GENERAL INFORMATION

- Connect a suitable commercial dust extractor which has been designed for the collection of concrete dust and possibly toxic paint particles, or for use in the pharmaceutical or food industries, Trelawny can supply special HEPA filtered vacuums which are suitable for these applications.

INSERTING THE BATTERY

- Select a compatible battery and check that it is in good operational condition. If the battery shows signs of impact damage, emits any liquid or has an unusual smell or feels hot.
DO NOT USE.
- Check the charge value by pressing the charge indicator button. If the battery has sufficient charge then proceed to insert the battery into the motor housing.
- Open the battery cover on the power unit.
- Hold the battery with two hands. One hand should grab the battery from the top with the charge display facing upwards, gripping it across the two short sides. The second hand should hold the battery around the middle.
- Slide the base of the battery into its housing using the side rails to locate.
- Remove your hand from the middle keeping hold of the battery from the top and allow the battery to slide fully into the housing.
- Once fully inserted, press down on top of the battery until the battery retaining latch clicks into position and locks the battery in place. Close the battery cover.

CHECKING BATTERY LEVEL

- Push the red battery charge level button on top of the battery whilst it is inserted into the power unit.
- The power level will show up on the digital display in numerical format.

STARTING THE MACHINE

- Ensure the cutter drum is fitted correctly and the side plate securely fastened.
- Ensure that the cutter drum is clear of the ground by turning the Hand Wheel anti-clockwise to its full height.
- Ensure the Emergency Stop button is released. Twist the button to release if required.
- While firmly holding the machine with one hand press the green start/stop button on the handle of the machine.
- Allow the motor to get up to speed before starting work.

STOPPING THE MACHINE

- During normal operation press the start/stop button on the handle to stop the machine.
- In an emergency or potential emergency situation use the mushroom-style Em-Stop button located near the base of the machine handle.
- Turn the wing knob anti-clockwise to unlock the hand wheel.
- Rotate the hand-wheel anti-clockwise to lock the rear wheels and lift the cutter drum from the surface.
- Turn the wing knob clockwise to lock the hand wheel in place.
- **NOTE:** If the Emergency stop button is released after stopping the machine, it will NOT automatically restart the machine. The green start button on the NVR switch will need to be pressed again.

MACHINE OPERATION

- After starting the machine, rotate the hand-wheel clockwise until the "Handbrake effect" is off and the machine can move.
- Reduce the height until the cutters make contact with the surface. It is essential that the cutters are not lowered too far and too hard onto the surface as damage could be caused to the machine and cutter drum assembly.
- Allow the cutters to "float" on the cutter shafts without heavy downward pressure. As a guide between half and one full clockwise turn on the hand wheel should be sufficient.
- This floating action will allow the cutters to perform as intended. The depth of cut can be fixed by turning the Wing Knob clockwise.
- Complete a small area observing the performance; turn off to inspect the finish produced.
- Remember two light passes are quicker and more cost effective than one slow heavy pass. Tests have proved conclusively that heavy downward pressure reduces cutter and drum life by over 50%.
- The TFP200 is normally used in a forward motion; the rotation of the drum also helps with the natural drive produced during operation.
- The operator can vary the speed of travel to determine the final finish having already set the depth control.
- It is permissible to operate the machine with a backward and forwards action, each pass should be overlapped to produce a uniform finish.
- In emergency, when the cutter drum must be lifted quickly from the work surface, it is not necessary to turn the hand wheel, simply pull backwards and downwards on the handlebar to lift the front wheels and Cutter Drum off the floor, and immediately press the start/stop button.

REMOVING THE BATTERY

- Stop the machine by pressing the start/stop button and as an additional safety measure press the Emergency stop button.
- Open the battery cover.
- Push down on top of the battery and at the same time press and release the battery retaining latch. Remove your hand from the top of the battery and it should rise slightly.
- Grip the top of the battery with one hand across the 2 short faces and lift slowly.
- Once the battery is half way out grip the middle of the battery with the second hand.
- Lift the battery from its housing. Repeat for the 2nd battery.
- If the battery needs to be charged then carefully move it to the battery charger.
- If the battery is to be stored, place the battery in a dry place away from direct sunlight or excessive temperatures. It is recommended to store the battery between +6°C to +40°C.

NOTE: Do not transport the machine with the batteries fitted.

SHUT DOWN

- The cutters and drum can become hot during operation. Allow adequate time for these to cool down before cleaning the machine.
- Clean off any concrete dust from external components and remove any heavy build up of concrete dust from inside the cutter drum box.

SERVICING & MAINTENANCE

After use clean the machine to remove all build up of dust and surface residues. If using a hosepipe or pressure washer take care not to direct water at electrical components and switches.

Note: Motors and switches are not waterproof.

Ensure that the height adjustment thread is cleaned and then lightly greased. Periodically it should be completely removed and the female thread section cleaned and greased. At the same time the self aligning bearing at the top of the shaft should be greased using a grease gun. The clevis pin should be lubricated regularly with oil to maintain a light, smooth height adjustment. The toothed Drive Belt will give a long and trouble free life if basic procedures are followed.

Daily check the drive pulleys for build up of deposits and any trapped debris. Check the belt and teeth for surface cuts and cracks, if the surface of the belt is damaged it will soon fail.

Build up of dirt underneath the belt teeth can cause the belt to become over tightened and therefore may no longer mesh correctly, all of the power is then transmitted by the tip of the teeth with negative results.

Serious damage could result to the drive shaft, bearings and drive motor if the belt is excessively tight. Generally when the motor is started and run a tight belt can be detected by a low hum or whistle.

Note: Never operate the TFP200 without a belt guard. All fastenings should be checked daily for tightness and the drive belt for tension.

Check the individual motor or engine manufactures instructions for details on their service recommendations.

BELT INSTALLATION & ADJUSTMENT

Ensure that all power to the machine is switched off and disconnected. Ensure batteries are removed.

Remove the belt guard by unscrewing the bolt in the centre of the belt guard.

Loosen the mounting plate bolts to allow the engine to move along the chassis's engine mounting bolt slots and on electric motors loosen also the motor to slide mounting fixing bolts.

Slide the toothed belt off the engine pulley, then remove the belt from the drive pulley. It may be necessary to lift the left hand end (viewed from the front of machine) of the engine/motor slightly to facilitate removal and also during installation.

Place the new belt partially onto the drive pulley first; locate the belt's teeth in the drive pulley's tooth grooves.

Then slide the belt over the engine drive pulley, slide the belt fully into position, and ensure that both pulleys have the belt's teeth engaged in the grooves and that the engine/motor pulley is positioned directly above the drive pulley.

Adjust the belt tension by moving the engine towards the front of the machine. When the engine is in the correct position, normal slack should be approx 13mm (1/2") lightly tighten the engine retaining bolts and recheck the belt tension.

The engine must also be parallel to the front of the engine mounting plate otherwise the belt will not run true.

Please bear in mind that the belt will also tighten further as the engine mounting bolts are tightened.

Adjust the engine position until the correct belt tension is achieved. Carefully rotate the drive pulley by hand to ensure that the belt is running true.

Finally tighten all engine bolts, refit the belt guard and tighten the belt guard-retaining bolt.

MACHINE STORAGE

Short period storage: up to 3 months

Clean outside of machine, inspect the Drum, flail shafts and cutters for wear; replace any worn parts as required.

Remove any build up of material from inside of the Cutter Drum.

Cover the machine to protect it: Store the machine in a dry place.

Long period storage: over 3 months

Clean outside of machine, inspect the Drum, flail shafts and cutters for wear; replace any worn parts as required.

Remove any build up of material from inside of Cutter Drum.

When engine is cold, remove the fuel from the fuel tank and carburettor float chamber.

Cover the machine to protect it: Store the machine in a dry place.

CUTTER TYPES & APPLICATIONS

T.C.T Cutters

Hardened steel cutter with tungsten carbide inserts. For all general cleaning applications, including concrete texturing, Scabbling, the grooving of concrete, removal of embedded roof chippings, brittle coatings from steel work. Use TCT Cutters on heavy applications, for longer life and higher output. Produces "tramlines" on concrete and small indentations on steelwork.

Star Cutters

Heat-treated steel cutters used for the aggressive removal of paint and coatings from floor areas, but with a shorter life span than Beam Cutters. Can be used for the general removal of dirt and ice deposits and to produce a texture on concrete surfaces. Produces roughened surface on concrete and light marking on steelwork.

Beam Cutters

Heat-treated steel cutters used for the removal of paint and coatings from floor areas, but with a shorter life span than TCT Cutters, not as aggressive as Star Cutters. Can be used for the general removal of dirt and ice deposits. Produces a fine texture on concrete surfaces and slight marking on steelwork.

Milling Cutters

Flat tungsten carbide cutters for the removal of thermo-plastic road and runway markings. Very efficient and cost effective with none of the problems associated with burning off. These can also be used for the removal of bituminous and rubber deposits. Very effective for the removal of two part epoxy floor paint, may require finishing with beam cutters or a Trelawny floor grinder to achieve the required finish.

Note: Care must be taken with milling cutters to ensure that the Drum and its Cutters are fitted the correct way round, the tungsten carbide tips must face towards the vacuum port at the bottom as the drum rotates, otherwise the tips will be damaged in use. Produces a "strip" on concrete and tarmac, is not recommended on steelwork unless for "braking up" coatings.

NB: Increasing or decreasing the number of spacers used can alter the performance and finish characteristics of each cutter type. Ensure that the same type and quantity of spacers and cutters are fitted to the opposite cutter shaft to maintain the drums balance. An out of balance drum can be very dangerous and will also dramatically increase the vibration emissions.

CHANGING CUTTER DRUMS

Turn off and stop the machine, making sure the cutter drum has come to a complete standstill.

Disconnect the machine from the power source if applicable.

Adjust the height adjustment hand wheel so that the cutters are clear of the ground.

Remove the four Side Plate retaining bolts and remove the Side Plate. If the Side Plate is stuck in its opening or on the dowel pins, use two of the Side plate retaining bolts inserted into the threaded holes on each side of the Side Plate. Screw in both of these bolts equally until the Side Plate is free.

With the side plate removed the Cutter Drum will simply slide off the Drive Shaft. The fitting of the drum is the reverse of the removal procedure.

When changing cutter drums always check that the flail shafts are not excessively worn with pronounced grooves, also that the centres of the cutters, spacers and the drum flail shaft location holes are not elongated. The screws which hold the drum end plates in position must be tight and in good condition.

While the Drum is removed, check that the vacuum port is free from blockages and that the wear strip, which also retains the dust skirt are both in good condition.

Note: In general use it is expected that normally two sets of flail shafts will be used to one set of TCT cutters. While changing the drum the condition of the drive shaft, the drum's hexagon drive, the drive shaft bearings and side plate bearing should be checked. If any roughness, side play or leakage of grease is detected then new bearings should be fitted. Lightly oiling the drive shaft will prevent a build up of rust.

REPLACEMENT CUTTERS

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
320.5500	5 Point TCT Cutter	320.5650	Milling Cutter - Half Width
320.7006	6 Point TCT Cutter	320.4140	Cutter Spacer - For TCT & Milling Cutters
320.5120	Beam Cutter	320.9612	Crimped Brush Segment
320.3658	Star Cutter	320.9622	Twist Knot Brush Segment
320.5600	Milling Cutter	991.1148	Spacer - For Crimped & Twisted Brushes

CUTTER REPLACEMENT

Replacing cutters/spacers/flail shafts

Unscrew the four countersunk screws and locknuts from either end of the cutter drum.

Using a suitable drift, push out each of the flail shafts. Check each of the flail shafts for wear and replace as required.

Check the Drum, Cutters and Spacers for elongation and hole enlargement, replace as necessary

See the table below for the examples of the sequence of spacers /cutters for each style of drum.

Before loading any cutters, establish which is "Position 1".

Position the two shorter rows to the left and at the top as you look at the drum; identify the short row on the left furthest away from you (at the "back" of the drum), this is "Position 1" For ease of assembly, mark the end of the drum to help identify each flail shaft, rotate the drum away from you marking each position in order. 1,2,3,4

Note: The drums web plate thickness and positions can vary slightly; because of this, the quantity of cutter and/or spacers may need to be adjusted, ensure that the same amount of cutters and spacers are fitted to opposite shaft to keep the drum balanced. These examples are for illustrative purposes only.

Method as per Single Web TCT Drum

Always insert the flail shafts from the left side and set to end in the middle of the row to start.

Position 1: Load with a cutter first, alternating with a spacer until you have fitted 9 cutters, pushing the flail shaft further through as the shaft fills. End the short row with 2 spacers. Continue with the long row on the same shaft, starting with a cutter and ending with 3 spacers.

Position 2: Load with 2 spacers first, alternating with a cutter until you have fitted 9 cutters, pushing the flail shaft further through as the shaft fills. End the short row with a cutter. Continue with the long row on the same shaft, starting with 3 spacers and ending with a cutter.

Position 3: Load with a cutter first, alternating with a spacer until you have fitted 11 cutters, pushing the flail shaft further through as the shaft fills, End the long row with 3 spacers. Continue with the short row on the same shaft, starting with a cutter and ending with 2 spacers.

Position 4: Load with 3 spacers first, alternating with a cutter until you have fitted 11 cutters, pushing the flail shaft further through as the shaft fills. End the long row with a cutter. Continue with the short row on the same shaft, starting with 2 spacers and ending with a cutter.

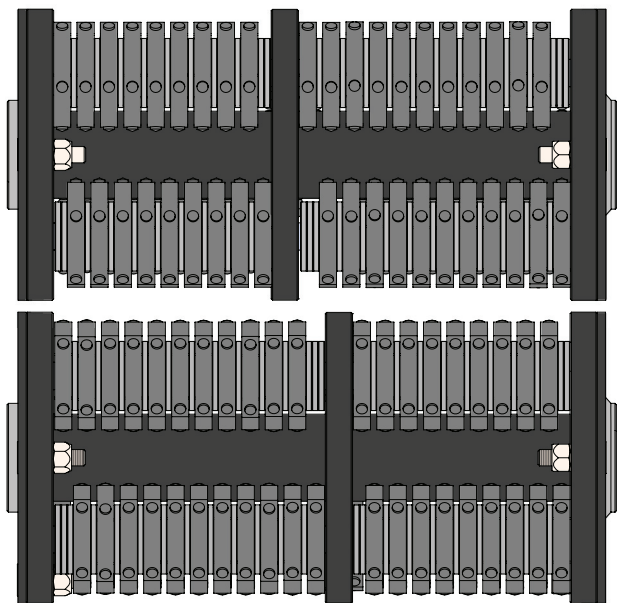
Secure the end plates with the four countersunk screws and four new locknuts.

CUTTER CONFIGURATIONS

CUTTER & SPACER QUANTITIES FITTED TO SINGLE WEB DRUM			
DRUM TYPE	PART NO	CUTTERS	SPACERS
TCT	320.1020ST	80	88
BEAM	320.1020SB	264	0
STAR	320.1020SS	208	0
MILLING	320.1020SM	24	72
CUTTER & SPACER QUANTITIES FITTED TO DOUBLE WEB DRUM			
DRUM TYPE	PART NO	CUTTERS	SPACERS
TCT	320.1020DT	76	80
BEAM	320.1020DB	254	0
STAR	320.1020DS	200	0
MILLING	320.1020DM	22 full / 4 half	54
CUTTER & SPACER QUANTITIES FITTED TO DOUBLE WEB DRUM			
DRUM TYPE	PART NO	CUTTERS	SPACERS
CRIMPED WIRE BRUSH	320.9610	18	23
TWISTED WIRE BRUSH	320.9620	18	20

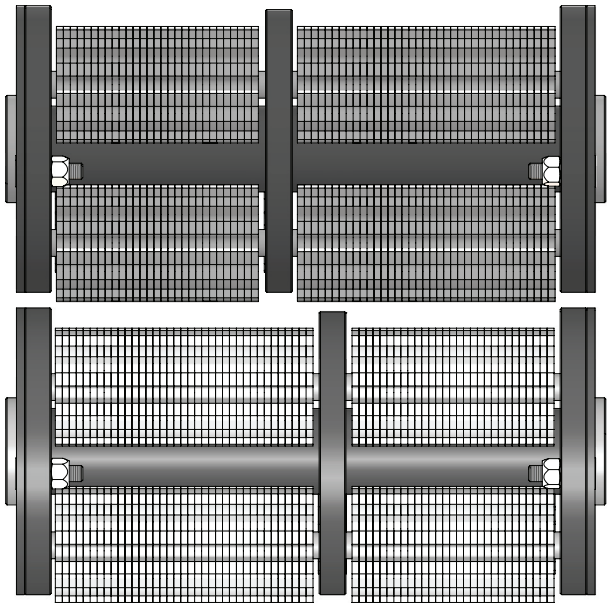
DRUM DIAGRAMS - SINGLE WEB

TCT CUTTERS FITTED TO SINGLE WEB DRUM



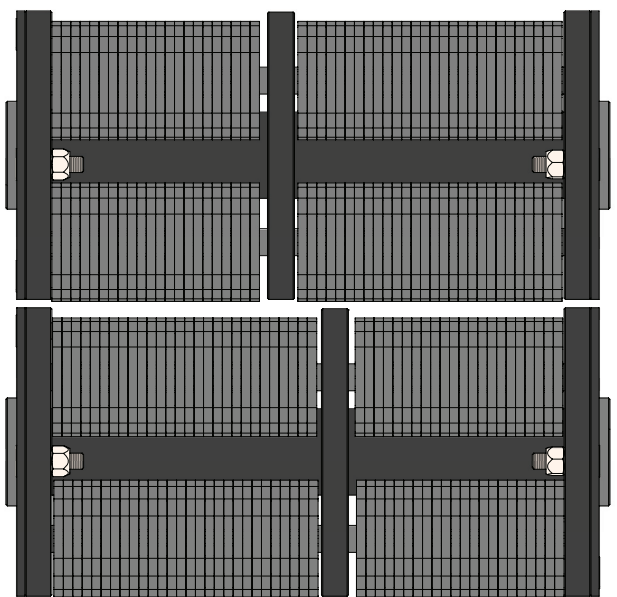
Part Number: 320.1020ST
Consists of: 80 TCT Cutters + 88 Spacers

BEAM CUTTERS FITTED TO SINGLE WEB DRUM



Part Number: 320.1020SB
Consists of: 264 Beam Cutters

STAR CUTTERS FITTED TO SINGLE WEB DRUM



Part Number: 320.1020SS
Consists of: 208 Star Cutters

MILLING CUTTERS FITTED TO SINGLE WEB DRUM



Part Number: 320.1020SM
Consists of: 24 Milling Cutters + 72 Spacers

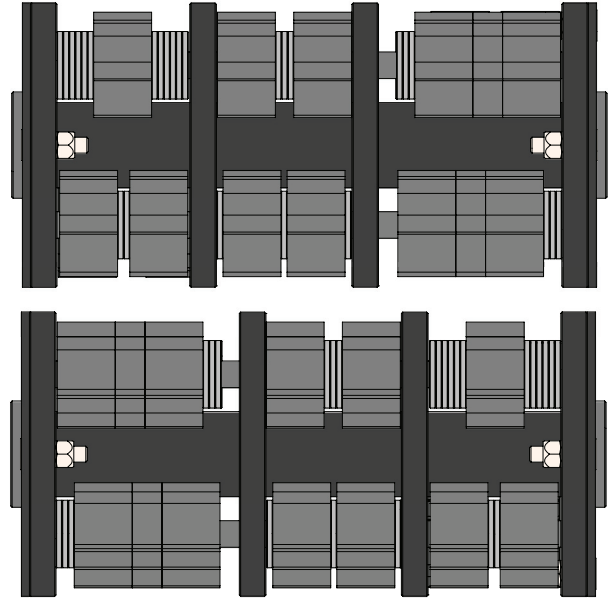
DRUM DIAGRAMS - DOUBLE WEB

TCT CUTTERS FITTED TO DOUBLE WEB DRUM



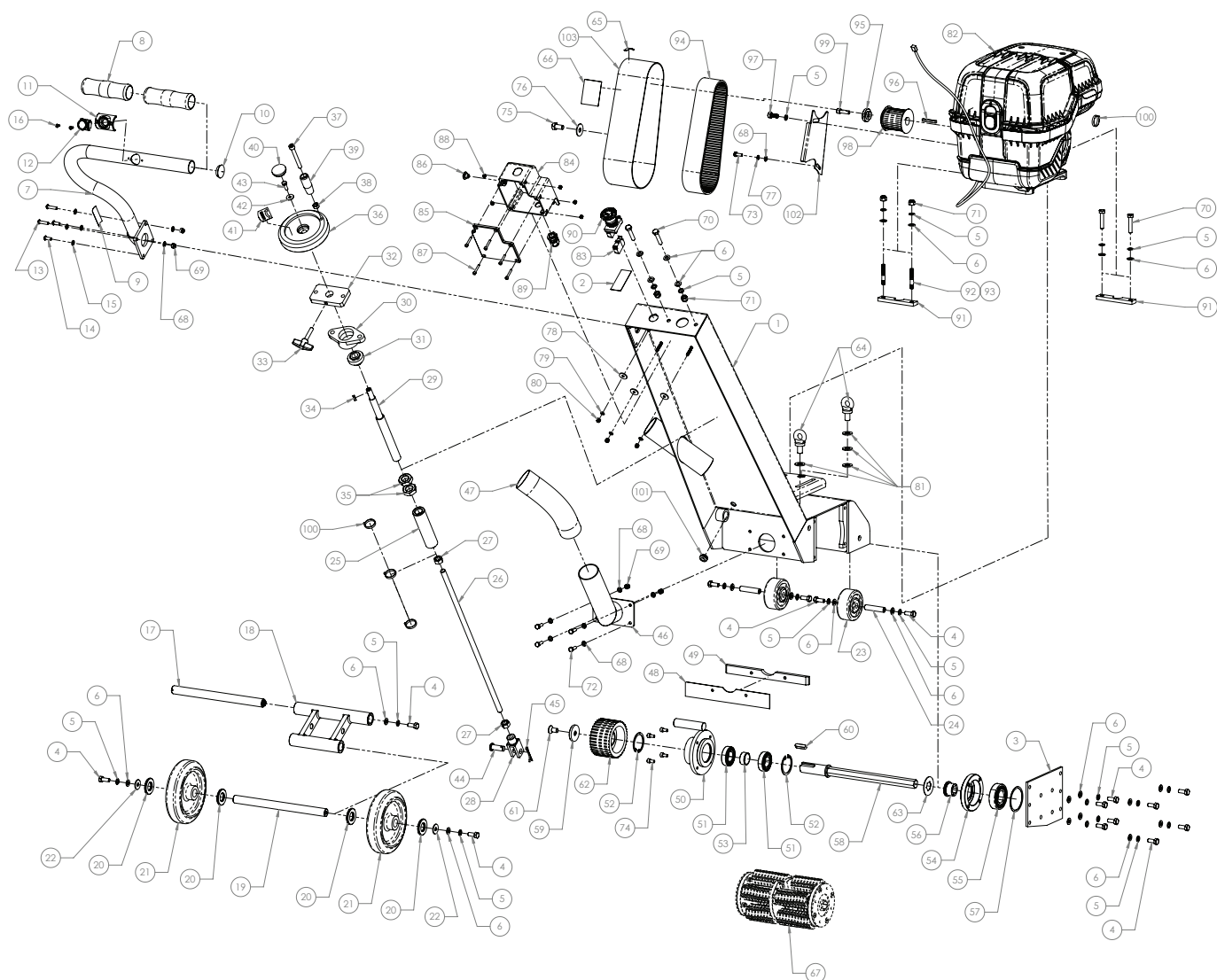
Part Number: 320.1020DT
Consists of: 76 TCT Cutters + 80 Spacers

MILLING CUTTERS FITTED TO DOUBLE WEB DRUM



Part Number: 320.1020DM
Consists of: 22 Milling Cutters + 4 Half Milling Cutters +
 54 Spacers

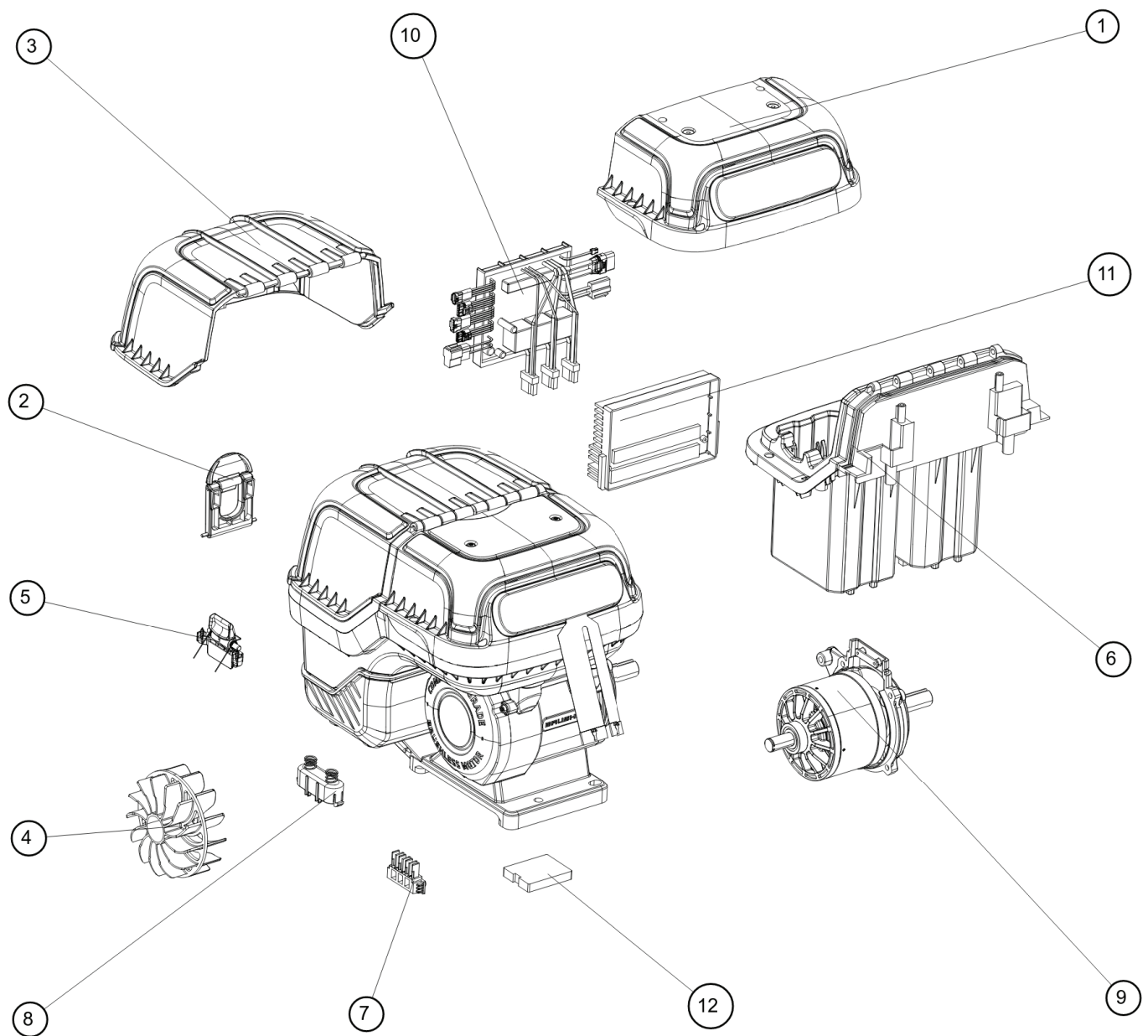
EXPLODED VIEW - MACHINE



PARTS LIST - MACHINE

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	991.0024	Chassis Metalwork Assembly	1	52	320.9132	Circlip	2
2	728.0515	Label	1	53	320.9125	Spacer	1
3	991.1134	Side Plate	1	54	320.9115A	Bearing Housing	1
4	831.0820	Screw	15	55	320.9123A	Roller Bearing	1
5	811.0800	Washer	22	56	320.9114A	Hexagon Bush	1
6	812.1080	Washer	23	57	320.9102A	Bearing Shim	1
7	991.0034	Handle Assembly	1	58	320.9140A	Driveshaft	1
7a	991.0071	Handle & Push Button Assembly	1	59	325.9124	Pulley Washer	1
8	991.1030	Rubber Grip	2	60	320.9131	Key	1
9	728.0531	Label	1	61	853.1020	Csk Socket Screw	1
10	875.1037	Tube End Cap	1	62	320.9128	Driven Pulley	1
11	320.9104	Button Holder	1	63	320.9151	Spinner Plate	1
12	861.2021	Push Button Assembly	1	64	831.4120	Eye Bolt	2
13	852.0625	Button Head Screw	2	65	340.TN-6	Label	1
14	852.0616	Button Head Hex Screw	2	66	728.6000	Label	1
15	812.1060	Washer	4	67	320.1020ST	TCT Cutter Drum Assembly	1
16	853.0412	CSK Socket Screw	2	68	812.1060	Washer	9
17	320.9110D	Swing Arm Spindle	1	69	824.0600	Locking Nut	4
18	320.9110	Swing Arm Assembly	1	70	831.0840	Hex Head Screw	4
19	320.9111	Rear Axle	1	71	824.0800	Locking Nut	4
20	320.9157	Washer Spacer	4	72	831.0620	Bolt	4
21	320.9121	Rear Wheel	2	73	831.0616	Hex Head Screw	1
22	812.1080	Large Washer	2	74	806.0612	Cap Head Screw	4
23	320.9120	Wheel 75mm	2	75	508.D220	Hex Head Screw	1
24	320.9107	Front Axle	2	76	812.2010	Washer	1
25	320.9112A	Height Rod Nut	1	77	811.0600	Locking Washer	1
26	320.9112B	Height Rod Shaft	1	78	861.4017	Washer	3
27	824.0012	Plain Nut	2	79	320.9310	Washer	3
28	320.9122	Clevis	1	80	320.9305	Nut	3
29	320.9113	Height Screw	1	81	812.0712	Washer	4
30	320.9134	Spherical Bearing Housing	1	82	991.0072	82v Powerhead Assembly	1
31	991.1123	Spherical Bearing Inner	1	83	875.1492	Contact Block	1
32	320.9155	Screw Plate	1	84	991.1160	Electrics Enclosure Box	1
33	320.9158	Wing Screw	1	85	991.1161	Electric Enclosure Lid	1
34	855.4414	Pulley Key	1	86	875.1497	Grommet	1
35	824.0020	Hex Nut, Thin	2	87	806.0425	Cap Head Screw	5
36	320.9135	Handwheel Assembly	1	88	875.1215	Locking Nut	5
37	806.0870	Cap Head Screw	1	89	861.4004	Cable Gland	1
38	320.9226	Full Nut	1	90	875.1281	Emergency Stop Button	1
39	320.9136	Handwheel Handle	1	91	320.9159	Motor Clamp Plate	2
40	320.9227	Hand Wheel Cap	1	92	875.1511	Double Ended Threaded Bar	2
41	728.0075	Label	1	93	875.1300	Threadlock - Medium Strength	2
42	812.2060	Washer	1	94	320.9139	Drive Belt	1
43	831.0620	Bolt	1	95	320.9126A	Pulley Retaining Washer	1
44	875.1052	Clevis Pin	1	96	320.9129	Square Key, Round Ends	1
45	875.1053	Split Pin	1	97	875.1443	Hex Screw	1
46	320.9109	Vacuum Take Off	1	98	320.9126	Engine Pulley	1
47	320.9154	Vacuum Hose	1	99	806.5610	Socket Cap Head Screw	1
48	320.9106	Dust Skirt	1	100	804.3120	Black Cable Tie	4
49	320.9105	Wear Strip	1	101	875.1513	Grommet	1
50	320.9116	Bearing Housing Assembly	1	102	991.1159	Rear Belt Guard	1
51	320.9124	Roller Bearing	2	103	991.9039	Belt Guard	1

EXPLODED VIEW - POWER HEAD



PARTS LIST - POWER HEAD

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	875.1514	Top Cover Assembly	1
2	875.1515	Safety Lock Assembly	1
3	875.1516	Battery Pack Flap Assembly	1
4	875.1517	Clamshell Assembly	1
5	875.1518	Battery Pack Release Button Assembly	1
6	875.1519	Battery Box	1
7	875.1520	Charger Terminal	1
8	875.1521	Spring Seat Assembly	1
9	875.1522	Motor	1
10	875.1523	PCBA	1
11	875.1524	PCBA	1
12	875.1525	Dust Filter	1
N/A	861.3620	Motor Cable Assembly	1

MAINTENANCE SCHEDULE

MAINTENANCE	EACH USE	30 HRS	70 HRS
Examine the general condition of the machine	✓		
Check vacuum port for blockages	✓		
Clean external surfaces of the machine	✓		
Check all bolts and screws for tightness	✓		
Check condition and fitment of cutter drum	✓		
Check drive belt tension	✓		
Examine the battery for any damage	✓		
Ensure that the battery is charging properly	✓		
Check that the battery release buttons are working correctly and that the battery locks into the product securely	✓		
Inspect the battery charger for any damage and ensure it is working correctly.		✓	
Perform electrical inspection		✓	
Replace dust seals		✓	
Check belt for damage and re-tension		✓	
Clean and grease bearings . Replace if necessary			✓
Replace belt			✓
Strip down and service machine			✓

PPE & WARNING SYMBOLS

SYMBOL / WARNING	DESCRIPTION
	ALWAYS Read the manual
	Wear protective glasses
	Wear ear defenders
	Wear protective shoes
	Wear protective gloves
	Wear protective face mask

SYMBOL / WARNING	DESCRIPTION
	DO NOT pressure wash the powerhead
	Caution assisted lift only
	Caution crush point
	Caution pinch point
	Remove battery before servicing machine
	Lift lid carefully

TROUBLE SHOOTING

POWER UNIT & OPERATION

FAULT	POSSIBLE CAUSE	ACTION
The Power unit does not start	The battery is not fully inserted	Check the connection between the battery and the battery port. Ensure the battery clicks into place.
	The battery is not charged	Charge the battery.
	The Isolator key is not inserted	Insert the Isolator key.
	The fuse may have blown	Isolate the power supply by removing the battery. The fuse is located on the back of the control box. Check fuse and replace if necessary. 15amp fuse only.
	The Start/Stop button is faulty	Fault find the switch and replace if necessary.
	Battery may need replacing	Replace the battery.
The machine stops during operation and an alarm can be heard	The motor has been overloaded	Press the stop button and leave the machine to cool for 3-4 minutes. Restart the machine by pressing the start button.
Planer is slow or erratic	Drive belt slack or failed	Replace belt or adjust tension
	Worn cutters	Replace cutters
	loose or a failed drive belt	Replace belt and adjust tension
	Surface too rough	Use Trelawny TFP260 to increase production
Unexpected noise/rattling.	Motor/drivetrain wear.	Switch off & Isolate power to machine. Carefully inspect motor & free-moving parts.
	Worn or loose fixings/ fasteners.	Switch off & isolate power to machine. Carefully inspect fixings, pivots etc. tighten any loose fasteners.
If the problem has not been cured by any of the above actions, contact your local dealership or agent for assistance.		

BATTERY PACK & CHARGER

FAULT	POSSIBLE CAUSE	ACTION
Charging does not start.	The AC plug is not connected to an electric outlet.	Connect the AC plug to an electric outlet
	The power cable is not connected to the battery unit.	Connect the power cable to the battery unit correctly.
	Charge may be too hot or too cold.	Move the charger and battery pack to a location where the ambient temperature is between 7°C and 40°C.
Charging LED illuminates RED during charging.	Battery pack is too hot.	Remove the battery pack from the charger and allow to cool for at least 30 minutes. Re-insert battery pack once cool.
Charging LED flashes RED during charging.	Charging fault.	Remove the battery pack & unplug the charger. Wait 1 minute, plug the charger back in & re-insert the battery pack.
Charging LED still flashes RED during charging.	Faulty battery pack.	Replace battery pack. Dispose of faulty battery pack safely. See local guidance for advice on the safe disposal of Li-Ion batteries.

TECHNICAL SPECIFICATIONS

DETAIL	MODEL
Part Code	320.2520T / 320.2528T
Description	TFP200 VM 82v C/w TCT Drum
Motor Power	2.2 kw
Motor Type	Brushless
Motor Speed	2,800 rpm
Cutter Speed	1,650 rpm
Cutting Width	195 mm
Max Cutting Depth	3 mm
Working Distance From Wall	55 mm
Vacuum Take Off Diameter	50 mm
Length	900 mm
Width	350 mm
Height	900mm
Weight	66 kg
Noise L _{PA} SPL	95.06 dB (A)
Noise L _{WA} SWL	109.5 dB (A)
Vibration Level	4.4 m/s ²
Trelawny SPT Ltd operates a policy of continuous product development and refinement and therefore reserves the right to change technical specifications and product designs without giving prior notice.	

DETAIL	5Ah Battery	8Ah Battery
Battery Type	Li-Ion	Li-Ion
Max Voltage	82v	82v
Nominal Voltage	72v	72v
Energy Rating	360Wh	580Wh
Energy Capacity	5Ah	8Ah
80% Charge Time	28 mins	48 mins
100% Charge Time	39 mins	65 mins
Length	120mm	120mm
Width	90mm	90mm
Height	214mm	240mm
Weight	2.8kg	3.9kg

DETAIL	Battery Charger
Input Voltage	230v
Input Cycle	50/60Hz
Output Voltage	82v
Output Current	8A
Length	230mm
Width	170mm
Height	170mm
Weight	2.0kg

TECHNICAL SPECIFICATIONS

If your company has any problem with our products or would like to discuss the possibility of an improvement being made to them, then please do not hesitate to contact us. Your comments are both important and appreciated.

Trelawny tools are thoroughly tested under specified conditions in accordance with applicable internationally recognised standards. When a tool is used on site the conditions may not be the same as those used in our tests.

Trelawny Surface Preparation Technology operates a policy of continuous product development and refinement and therefore reserves the right to change technical specifications and product designs without giving prior notice.

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**Use only genuine Trelawny consumables with this product.
The use of non-Trelawny spare parts invalidates the warranty.**

NOTES

THE PERFECT FINISH
STARTS WITH
TRELAWNY



DEALER STAMP:



CONTACT US

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