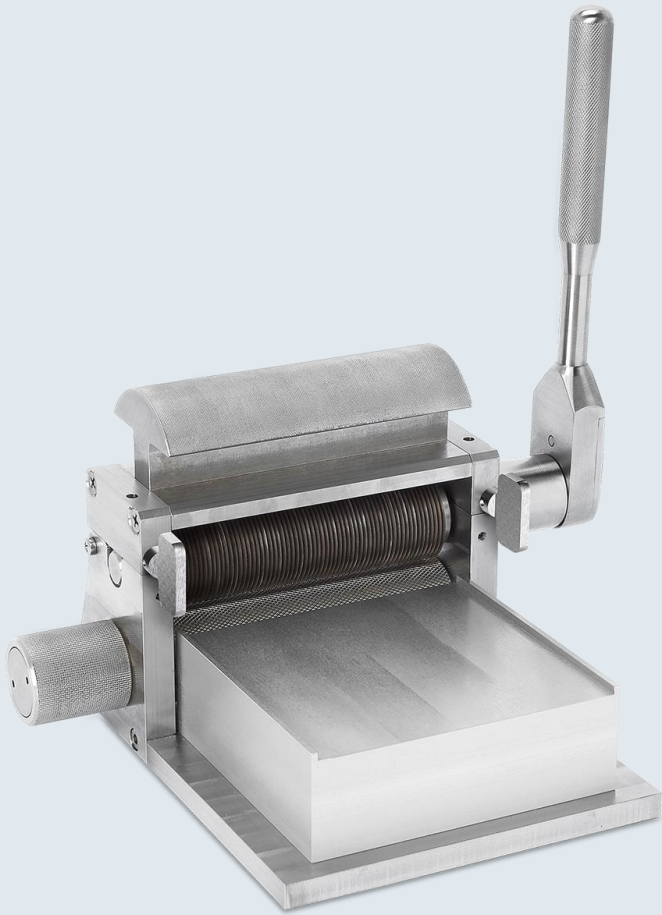

Davies® Gold Series Dermatomes

The Davies® Gold Series Dermatomes are precision surgical instruments for harvesting of skin for grafting.

www.pfmmedical.co.uk



Davies® Gold Series Dermatomes

Benefits

Light-Weight for Easy Handling

Weighing in at only 432g including the motor, the Davies® Dermatome produces clean uniform skin grafts while reducing operator fatigue and maximising manoeuvrability.

Highly Cost Effective

The Davies® Dermatome combines a high quality, robust design with both low acquisition and running costs making it a highly cost effective option for both hospital and private clinic use.

Features

- ▶ Duplex Sole Plate is 73mm wide.
 - Simplex Reduction Plate - 48mm
 - Miniplex Reduction Plate - 23mm
- ▶ 7 Pre-Setting Cutting Depths -
 - 0.08mm to 0.38mm in 0.05mm increments
 - 0.003” to 0.015” in 0.002” increments
- ▶ Accurate and consistent cutting performance when used with the Davies® FEATHER® made precision blade.
- ▶ Fully Autoclavable -
 - Duplex Dermatome, electronic micromotor and cable fully autoclavable to 134°C
 - Also approved for STERRAD® Sterilisation



Davies® TCM 3000 BL Operating Motor

The Davies® TCM 3000 BL comprises of the TCM 3000 BL control unit, electronic micromotor cable 31ESS and foot pedal.

Micromotor Cable 31ESS Features

- ▶ Suitable for cleaning and sterilising in automated washer processors.
- ▶ Fully autoclavable to 134°C.

Davies® TCM 300 BL Control Unit

- ▶ Small, convenient and light-weight.
- ▶ Clear LED display.
- ▶ Fixed torque and ration settings.
- ▶ Power Speed at 14000rpm.

	TCM3000 BL Specification
Voltage	Switchable: 100V, 115V, 230V / 50-60Hz
Power	60 VA
Device Fuses (2 Units)	T1AL250 VAC
Application Component	Type BF
Coupling Motor	Intra Coupling ISO3964
Motor Rotational Speed	500-40,000 rpm
Max. Motor Torque	6 Ncm
IP Code, Foot Pedal	IP68
Dimensions (HxBxT)	115 x 20 x 180 mm
Weight	1.8KG



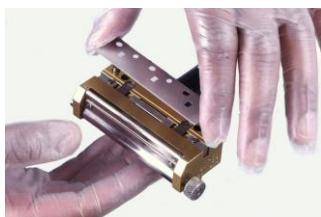
How to Use the Davies® Gold Series Dermatomes

1. Connecting the Electronic Micromotor cable and Foot Pedal

- ▶ Connect the electronic micromotor cable by aligning the red dots and inserting into the respective sockets.
- ▶ Insert the electric micromotor shaft into the Davies® Dermatome head by aligning the groove in the micromotor shaft with the middle screw on the Dermatome head and gently clicking together.
- ▶ Turn on power switch at back of motor.
- ▶ Press the DTM button.
- ▶ Press the foot pedal to start the motor.



2. Inserting the Blade



1. Remove the sole plate by releasing the two retaining screws.



2. Fit sterile Davies® FEATHER® blade to the blade carrier ensuring it is located correctly. **Ensure the Dermatome is not connected to a motor whilst fitting the blade.**



3. The blade will slot into the blade carrier due to the hardened blade locating studs.



4. Replace the sole plate on to the oscillating blade carrier.



5. Tighten the sole plate screws from left to right until evenly tightened.



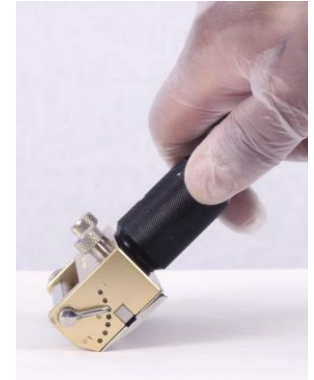
Always use a new sterile Davies® FEATHER® blade for each procedure



Warning - Davies® Gold Series Dermatomes are only compatible with Davies® FEATHER® Blades. Only Use Davies® Duplex FEATHER® (GF603).

3. Cutting the Graft

1. Lubricate the donor site with sterile material oil which will help with the ease of the movement of the Davies® Dermatome over the donor site. **(At this point it may prove useful to draw the Dermatome backwards over the donor site to get a good feel of the area and to show up any unevenness).**
2. To select the required graft thickness, push in the knurled selector and rotate the lever into the required slot.
3. For optimal results, hold the Dermatome at approx. 35° when cutting.
4. Guide the unit forward using a slight downward pressure to ensure that the cutting edge remains continuously, firmly in contact with the donor site.
5. Allow the cut graft to accumulate in the angled groove of the Dermatome. (Lift Dermatome away from the donor site to end graft, carefully remove the graft with tissue forceps).
6. Do not cut for prolonged period without dipping the Dermatome in sterile water, to remove debris and blood.
7. A new blade is required for each new procedure.



Do not exceed 14,000 RPM

Selecting the Graft Thickness

To select the required graft thicknesses push in the knurled selector and rotate the lever into the required slot.

Setting	Davies Cut (mm)	Davies Cut (inches)	Competitor Cut (mm)	Competitor Cut (inches)
1	0.08	0.003	0.05	0.002
2	0.13	0.005	0.1	0.004
3	0.18	0.007	0.15	0.006
4	0.23	0.009	0.2	0.008
5	0.28	0.011	0.25	0.010
6	0.33	0.013	0.3	0.012
7	0.38	0.015	0.35	0.014



Warning - Care must be taken not to immerse the Davies®TCM3000BL operating motor in water.

Davies® Skin Graft Mesher

The Davies® Skin Graft Mesher is a second generation mesher used for cutting of skin grafts in general, burns and plastic surgery.

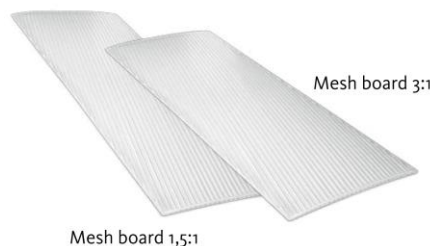
Benefits

- ▶ Designed for easy use.
- ▶ Medical high grade stainless steel.
- ▶ Head and cutting roller can be removed for cleaning.
- ▶ Purpose made sterilisation tray.



Features

- ▶ Lightweight and compact with weighted base ensuring stability.
- ▶ Innovative cutting roller design ensures geometric patterns on the graft through mesher process.
- ▶ Smooth action of the ratchet handle ensures effortless meshing for operator.
- ▶ Range of mesh boards in following ratios - 1.5:1, 3:1, 6:1 and 9:1.



Ordering Information

Davies® Gold Series Dermatome Products

Code	Product Description
GD103CP	Davies® Gold Duplex Dermatome set
GD103CP3	Davies® Gold Duplex Dermatome set (without blades and Davies® TCM3000BL Operating Motor)
ALC01	Aluminium Carry Case
3280DAV	Davies® TCM3000BL Operating Motor with Foot Pedal
2064DAV	Electric Cable with Micromotor Cable

Davies® Gold Series Duplex Dermatome Complete Set includes:

Key	Code	Product Description
1	GD103	Davies® Gold Duplex Dermatome with Spanner
2	3280 DAV	Davies® TCM3000BL Operating Motor with Foot Pedal
3	DSP103	Simplex Reduction Plate (48mm)
4	DMP103	Miniplex Reduction Plate (23mm)
5	GF603	Davies® FEATHER® Duplex Blades (Box of 20)
6	PH001	Davies® Lubrication Oil
7	STo1	Sterilisation Container
8	2064DAV	Electric cable with micromotor cable



Davies® Skin Graft Mesher

Code	Product Description
1986	Skin graft Mesher System
1981	Mesh Board 3:1 Ratio (Pack of 20 Sterile Pieces)
1982	Mesh Board 1.5:1 Ratio (Pack of 20 Sterile Pieces)
2105	Mesh Board 6:1Ratio (Pack of 20 Sterile Pieces)
2106	Mesh Board 9:1 Ratio (Pack of 20 Sterile Pieces)
4128	Sterilisation Container Alu 465x280x150 mm

Cleaning, disinfection and sterilisation guidelines

Equipment must be sterilised before:

- ▶ Every Procedure
- ▶ Before passing to a service area
- ▶ Before returning to a supplier or manufacturer

Safety Measures:

Do not bend the electric motor cable
Do not clean with compressed air
 Autoclave the electronic motor cable by placing in sterile tray provided and pack in sterilisation bags (bags should conform to DIN 58593).



1. Cleaning Preparation

Davies® Dermatome Head

After Every Procedure

1. Remove sole plate from Dermatome head.
2. Remove any debris and soiling using soft bristled brush.
3. Rinse thoroughly with clean flowing water until no more debris or soiling is present.
4. Using the Lubrication Oil provided, place a few drops onto the Dermatome head where the sole plate has been removed

Electronic Motor Cable

After Every Procedure

1. Remove soiling from the electric motor cable with a disposable cloth/paper towel.

This procedure must be carried out after 30 cleaning cycles

1. Unscrew and disconnect the motor cap from the electronic motor with hand piece carrier.
2. Attach the spray nozzle provided to any lubrication spray, insert into the end of the electronic cable and spray for 3 seconds.
3. Reconnect the hand piece carrier and screw the motor cap back on to the electronic motor.



2. Cleaning and disinfecting

1. Place the Dermatome head, sole plate, reduction plates and the electronic motor cable in the sterilisation tray provided.
2. Place sterilisation tray in automated washer disinfector and set cleaning cycle that ensures sufficient cleaning and rinsing and thermal disinfection.



3. Drying

1. Allow automated washer disinfection to run during cycle.
2. If a drying programme is not provided by the washer disinfector, the sterilisation tray must be dried manually or in a drying cabinet.



4. Sterilisation

1. Place sterilisation tray containing Dermatome head, sole plate, reduction plates and electronic motor cable into sterilisation bag (bag should conform to DIN 58593).
2. Place bag into vacuum autoclave at a maximum of 135°C for 3-5 minutes.
3. Allow the sterilisation bag to dry for at least 1 hour at room temperature with paper side facing upwards.

Notes

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Davies® Gold Series Dermatomes -

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Davies® TCM 3000 BL Operating Motor -

CE 1275

Manufacturer -



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Nouvag AG

Contact

Should you have any questions our Customer Service and Sales Consultants team are happy to help.

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