Bio Optica Milano S.p.A. • via San Faustino 58 • I-20134 Milano
Tel. +39 02.21.27.13.1 • Fax Acquisti/Export +39 02.21.54.155
Fax Assistenza/Contabilità +39 02.26.41.74.48 • Fax Vendite +39 02.21.53.000

TRIMMING TECH 130

IVD In vitro diagnostic-medical device

CND code: W0202059016 - **CIVAB code:**

General information

Type of instrument:	Aspirated hood for histology.
Model:	Trimming Tech 130.
Code:	50-130-001 (sink on the left). 50-130-002 (sink on the right).
Description:	Aspirated hood designed for cutting and reduction of histological samples. Designed to prevent chemical risk during manipulation of anatomy finds preserved in formalin. Provided with vapours aspiration system **from the working surface, the frontal side and the top**; predisposed for fumes discharge outside.
Manufacturer:	Bio-Optica Milano S.p.A.
Distributor in Italy:	Bio-Optica Milano S.p.A.
Marketing:	Since 2012.

Dimensional features

Overall dimensions in mm				Working usable dimensions in mm		
Weight	Width	Depth	Height	Width	Depth	Top height
ca. 140 kg	1300	750	2330	960	640	900

Water sink dimensions in mm			Formalin sink dimensions in mm		
Width	Depth	Height	Width	Depth	Height
400	400	200	150	300	100

Electrical connections

Power supply:	230V~ 50/60Hz.
Rated output:	1 Kw.
Nominal current:	10A, with delayed fuses.
Power supply socket:	Situated on the left back side at a height of ca. 2 metres.
Protection device:	Magnetothermic switch.
Emergency power supply:	Not necessary.

Other connections

Water connections:	Hot water connection: ∅ 1/2”. Cold water connection: ∅ 1/2”. Waste water connection: ∅ 1”1/4 standard siphon placed at ca. 40 cm from the ground (at ca. 20 cm with garbage disposal unit) on the back side of the hood. Its position depends on the sink placement.
Fumes discharge:	The hood is provided with ∅ 250 mm collector on its upper side in order to allow the connection to the hospital’s centralized canalization system.
Connection of external instruments:	The hood is provided with n. 2 Schuko universal power supply sockets for a possible connection of external instruments, placed in the lower frontal side externally the working area (one on the right, the other one on the left). Possibility of enable/disable the power supply to the sockets.

Lighting

- N. 3 led tubes, total 1500 lux, 14 Watt/each.

Structural features

- Structure made entirely of satinized, thickness 15/10, AISI 304 stainless steel with smooth surface and rounded edges (in compliance with the regulation in force).
- 6/7 mm accident prevention stratified frontal glass with electric vertical slide to contain toxic fumes inside the hood (in compliance with the regulation in force). Run stop at 230 mm from work surface (descent), at 500 mm from work surface (ascent). The system of glass lifting is provided with manual unlocking in case of emergency.
- Automatic function of increase of the ventilation during the phase of lifting of the frontal glass.
- 6/7 mm accident prevention stratified side glasses in order to increase internal visibility, avoid draughts near the work surface and contain fumes inside the hood (in compliance with the regulation in force).
- Shelf placed in the frontal side over the working plane (see arrow in the photo).
- Shelf placed in the central side (see arrow in the photo).
- White polyethylene plate for pieces reduction - 350x450x20 mm (WxDxH) - provided with N. 4 support feet 30 mm high.
- Antistatic and antislip adjustable feet allow to get a perfect horizontal position of the working surface.
- N. 2 sinks 400x400x200 mm and N. 1 formalin sink 150x300x100 mm.
- Removable filtering basket for formalin sink. It avoids the obstruction of the discharge tube to the cans, keeping the solid waste also of small dimensions. Since it is removable, it can be removed and properly washed when necessary.
- Cover for formalin sink.
- Formalin dispensing system including: 10 litres load can with filter and pump, supplying tap with pedal control, 10 litres formalin discharge can with level sensor and visual and acoustic alarm
- Canholder trolley provided with handbrakes and front door. The trolley is provided with system of fumes aspiration with collector situated on the back side that can be removed in case of maintenance. The trolley can contain also two cans of 20 litres.
- Throttle tap of interception formalin discharge to avoid possible accidental leaks during the replacement of the formalin can. The tap must be closed before replacing the can and reopened after the replacement.
- Tap for adjustment of shower water pressure (see arrow in the photo).
- Water dispensing tap for basins wash (see arrow in the photo).
- Arrangement for system of acquisition of image.
- Hood made in compliance with the standards established by the regulations UNI EN14175.

Cover for formalin sink

Filtering basket

Working surface features

- Weldings-free, thickness 10/10, AISI 304 stainless steel surface, provided with liquids containing rim.
- Sinks (n. 1 for hood 90, n. 2 for hoods 130 and 150, n. 3 for hood 180) dimensions 400x400x200 mm of which n. 1 for hood 90, 130, 150, n. 2 for hood 180 with perforated removable surface of support in stainless steel. The ∅ 7 mm holes allow water draining in the sink and fumes aspiration from the top itself. The sinks assigned to the cut are provided with system of aspiration of fumes.
- On request are available surface and sinks in stainless steel AISI 316.
- Double washing system consisting in: 1) Shower, provided with extensible flexible arm, to clean the whole working surface provided with independent tap for the adjustment of the pressure of the water 2) Cleaning system inside the basins assigned to the cut (only for hoods with more than one sink).
- Hot/cold water sink provided with pedal control distributor and stainless steel smaller sink for formalin discharge. Both of them are placeable on request on the right or on the left.

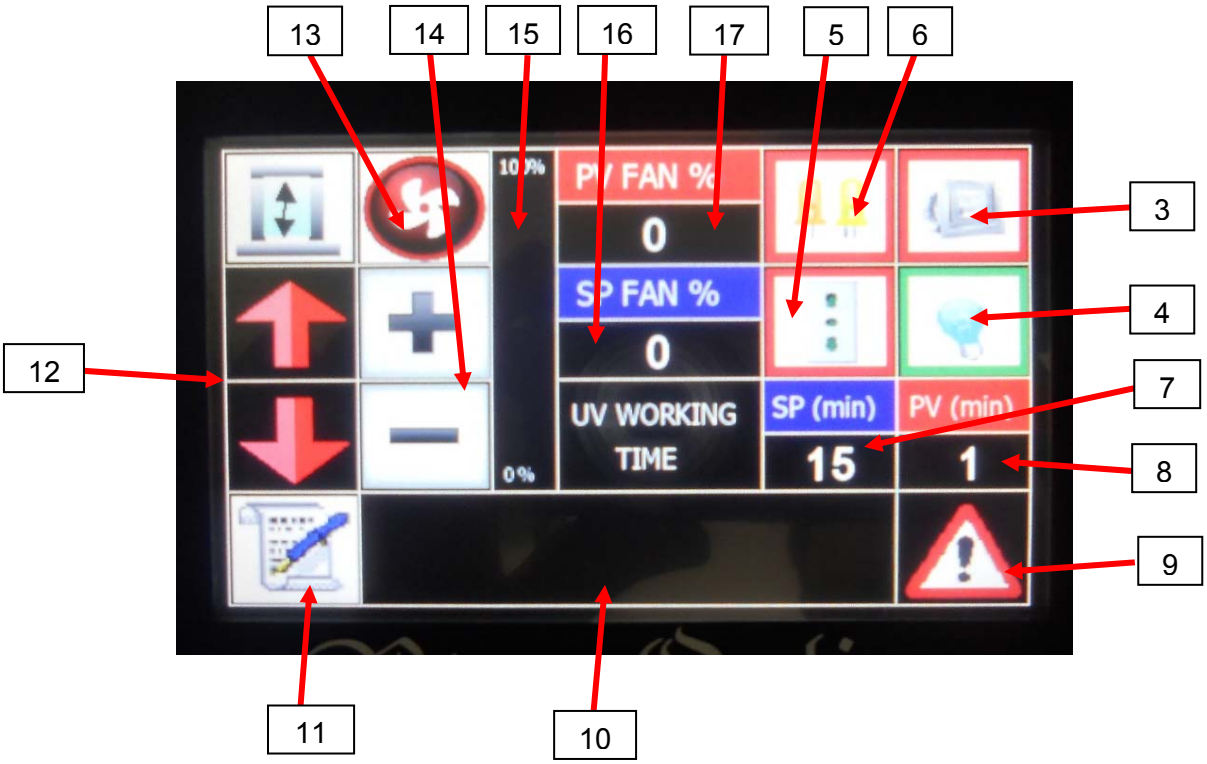
Flows

Instrument	Flow m³/h
MODELS 130	1300

Speed flow machine front: 0,7 m/s.

Control panel

Touch screen monitor for the control and the visualization of all the functions.



Principali funzioni

- Hood ignition general switch (1).
- Emergency main switch (2).
- Key halogen spotlights ignition/switching off (3).
- Key uv lamp ignition (4).
- Key power supply of current to the external sockets (5).
- Key led lights ignition/switching off (6).
- Key automatic switching off setup of uv lamp measured in minutes (minimum 15' max 20') (7).
- Elapsed time from ignition of uv lamp measured in minutes (8).
- Key alarms silencing (9).
- Space alarms visualization (10).
- Key input in the submenu (11).
- Keys frontal glass scent and descent (12).
- Key automatic ventilation enabling in function of the movement of the frontal glass (13).
- Keys increase and decrease of ventilation in manual modality (14).
- Percentage increase bar of electrofan speed (15).
- Key fast increase of ventilation measured in percentage (16).
- Percentage visualization of electrofan speed (17).

Photo of Macro Digital Imaging System integrated in the hood.