BENCHTOP SOLDERING EQUIPMENT

TPX-3025

PCB Dip Soldering Pot

Static-bath soldering for through-hole PCB assemblies, plus tinning for wires, terminals and component leads.



SOLDER BATH

300 × 250 × 70 mm

NOMINAL CAPACITY

38 kg

RATED HEATING POWER

2000 W

Digital PID control Room temperature to 400 °C practical operating range

Technical specifications

TRA TPX-3025 / Standard B-series stainless steel solder pot

SOLDER BATH & PROCESS	
Machine type	Benchtop electric solder pot with static bath
Solder bath (L × W × D)	300 × 250 × 70 mm
Bath material	Stainless steel
Nominal solder capacity	38 kg
Practical operating range	Room temperature to 400 °C
Heating system	Multiple internal heating tubes

CONTROLS & UTILITIES	
Temperature regulation	Digital PID temperature control
Temperature display	Measured value (PV) and setpoint (SV)
Rated heating power	2000 W
Power supply	AC 220 V ±10%, 50 Hz
Documented accessories	Dross tray, board holding clamp, scraper and fuse

Solder alloy configuration

TPX-3025 is the standard stainless steel bath version for conventional solder bars. For lead-free processing, the manufacturer offers the TPX-3025 with a titanium bath.

Installation dimensions

The current product page lists 530 × 345 × 140 mm. The series manual lists 520 × 310 × 140 mm. Confirm the overall dimensions of the supplied unit before planning the workstation.

Manufacturer specifications **Solder pot user manual**

Product views

Front and right views, with a closer look at the bath and operator controls.



Front view

Benchtop body with the controller and power switch on the front panel.



Right-side angle

Three-quarter view showing the dross tray beside the bath.



Solder bath

Stainless steel basin with internal heating tubes and temperature probe.



PID controller

Separate readouts show measured temperature and the setpoint.

Benchtop workflow



PCB dip soldering

A static solder bath for compatible THT assemblies, prototypes and small batches.

Wire and terminal tinning

The bath also supports tinning of wire ends, terminals and component leads.

Dross collection

The side tray receives oxides removed from the surface of the solder bath.

Request a quotation

Share your PCB and fixture dimensions, solder alloy and batch size with Grandil.

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