F . T . M
Technologies

Static solder bath

All our products are compatible with lead-free alloys

The tinning operation consists of applying a thin layer of tin-based alloy on a metal part. These means allow operations of removing enamel and gold.

Solder Bath BE600N

- check of the alloy level

- adjustable temperature

- cast-iron crucible cylindrical high load resistor
- type J thermocouple (included)

BE 600 N : Large surface 100x150

BE600N Technical Characteristics	
Power Supply	230 V / 50-60 Hz
Capacity	1 600 W
Working dimensions L x W x H	Crucible 150 x 100 x 55 mm
Overall dimensions L x W x H	480 x 280 x 155
Weight of solder	About 9 kg
PID adjustment	from 0° to 600°C with adjustable setpoint

Solder Pot PE600NAD

- suitable for tinning or de-enamelling wires and connections of components (manually).

- cast-iron crucible, cylindrical high load resistor,
- type J thermocouple (included).

PE 600NAD : Small capacity quick temperature rise

PE600NAD Technical Characteristics	
Power Supply	230 V / 50-60 Hz
Capacity	600 W
Working dimensions L x W x H	Diameter Crucible Ø60mm – Dip Crucible : 60mm
Overall dimensions L x W x H	300 x 140 x 140
Weight of solder	About 1.5 kg
PID adjustment	from 0° to 600°C with adjustable setpoint

Solder Bath BE300x500 / BE 300 x 90

- suitable for tinning or degolding series parts

- can be equipped with a manual **pantograph** or automatic **tinner** (TP60P)

- check of the alloy level

- cast-iron crucible cylindrical high load resistor

- type J thermocouple (included).

BE 300X90 : High capacity (idem BE300X50)

BE 300X50 SEP : Example of separation possibility into two of the crucible of a bath of 300x50 or 90

	BE300x50 Technical Characteristics	BE300x90 Technical Characteristics
Power Supply	230 V / 50-60 Hz	230 V / 50-60 Hz
Capacity	1600 W	2400 W
Working dimensions L x W x H	Crucible 300 x 50 x 45 mm	Crucible 300 x 90 x 55 mm
Overall dimensions L x W x H	640 x 200 x 150	640 x 200 x 150
Weight of solder	About 7 kg	About 9 kg
PID adjustment	from 0° to 600°C with adjustable setpoint	from 0° to 600°C with adjustable setpoint

Solder Pot PE500

- **suitable for wire tinning and degolding** of component legs and their pre-tinning.
- cast-iron crucible, cylindrical high load resistor,
- **Mandatory use with an RP500 power regulator to adjust the temperature**

PE 500 : Economic solder bath without regulation to use with RP500

PE 500 Technical Characteristics	
Power Supply	230 V / 50-60 Hz
Capacity	500 W
Working dimensions L x W x H	Diameter Crucible Ø60mm – Dip Crucible : 60mm
Overall dimensions L x W x H	140 x 140 x 140 mm
Weight of solder	About 1 kg

RP500

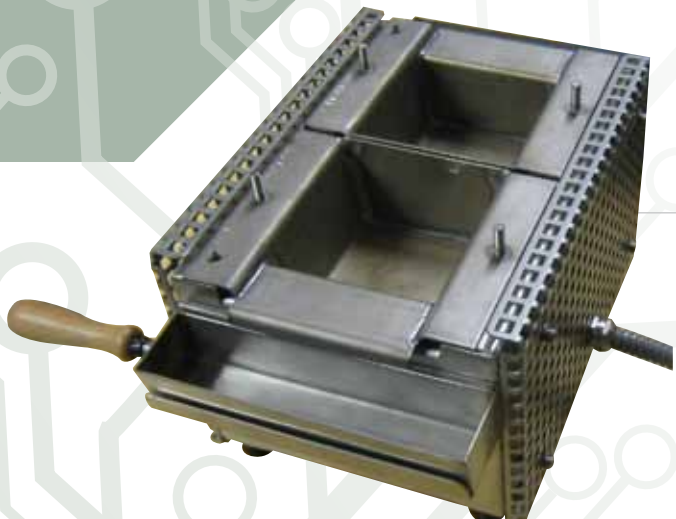
Made to measure

Our position as a designer and manufacturer of all our production allows us to offer you all our solder baths made to your requirements, depending on your operating needs.

200X200X200 : Solder bath of high capacity, protection from the heat by grid

LONG CRUCIBLE: example of a long solder bath 1.20 m

MOVABLE POT: removable pot in case you cannot bring the piece to tin above the bath



TINNING CRUCIBLE with 2 removable vats

Accessories for solder baths

TP 60P provides quality service by its adjustable parameters.

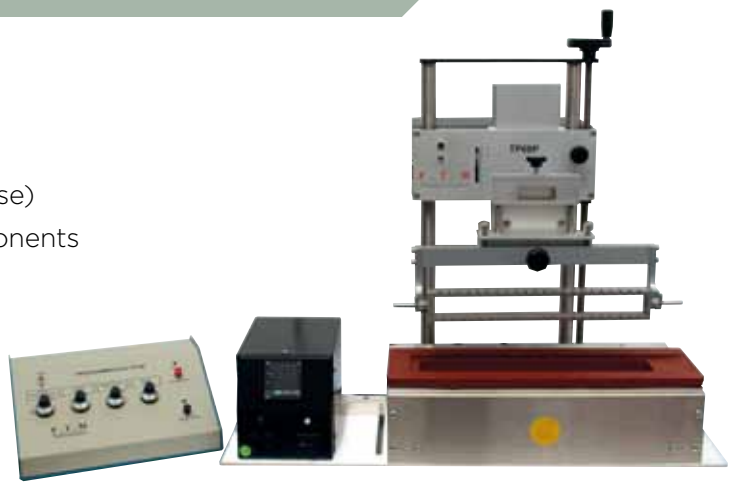
This is a robot that allows conveying components during tinning, degolding or fluxing operations with the following parameters: input speed, output speed, pre-heating time, plunging time.

TP 60P

- **precise settings** (and stored for subsequent use)
- **avoids bridges** between the legs of the components coming out of the tinning.
- complying with standards NF C 20 720

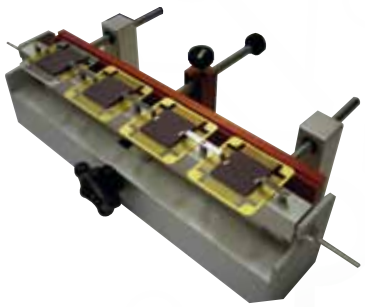
Pantograph

In the case where the constraints do not require strict conditions of input or output speed of the alloy, the pantograph is used for tinning or degolding components in robot series and its solder bath.



TP60P : Tinning Machine with Solder Bath

FLUX TRAY: fluxing station with pantograph, accepts the same component holder tool as the robot



TOOLS AND CHARGER:
example of components load on tool

BATH WITH PANTO TRANSFER: example of a station with a pantograph that ensures transfer between the bath

CONNECTOR BAR: example of tool mounted on the robot (in this case, tools for connector)

Example of a full degolding / fluxing / tinning station with pantograph SOLDER BATH WITH PANTOGRAPH

SOLDER BATH WITH PANTOGRAPH