

Réf. AA15, AAC16, AAC20, AB15, ABC16, ABC20, ABD16, ABD20, AEB16, AEB20**Epoxy base 16/10th - 35 µ**

- Positive resin, blue coloured bleue, without marbling
- Micro definition
- Resin thickness: 2,5 µ.
- Adhesive anti UV protection.
- Guarantee 5 years.
- Individual plastic packaging
- Excellent quality
- Resists to every acids
- Long life storage

Size in mm	1 side	2 sides
150 x 200	AA 15	AB 15

Epoxy base 4/10th - 35 µ

Size in mm	1 side	2 sides
100 x 160	AAC 16	ABC 16
200 x 300	AAC 20	ABC 20

Epoxy base 8/10th - 35 µ

- high qualified stratified
- 8 glass tissue layers
- Standard MIL 13949 F for FR4
- UL 94 Vo

Exists in 2 and 4/10th, upon request.

size in mm	1 side	2 sides
100 x 160	ADB 16	AEB 16
200 x 300	ADB 20	AEB 20

Réf. AG 611, AG621 , AG631, AJP20**Tinned copper clad pads**

Drilled at 2,54 mm pitch.

Ø -> drilling 1 mm

Square pads 2 mm each side. Gap of 0,54 mm on the whole surface. Connector DIN 41612.

Size in mm	Item Code
100 x 160	AG 611

Double sided epoxy, thickness 16/10th**Tinned copper clad pads**

Drilled at 2,54 mm pitch.

Ø -> drilling 1 mm

Square pads 2 mm on sides. Gap of 0.54 mm on the whole surface. 2.54 mm pitch plug-in connector.

Size in mm	Item Code
100 x 160	AG 621

Tinned copper clad pads

Drilled at 2,54 mm pitch.

Ø -> drilling 1 mm

Square pads 2 mm on sides. Gap of 0.54 mm on the whole surface. Connector DIN 41612.

Size in mm	Item Code
100 x 160	AG 631

Single sided bakelite 35 µ, thickness 15/10th tinned copper clad strips or pads

Drilled at 2,54 mm pitch.

Ø -> drilling 1 mm.

Gap of 0,54 mm on the whole surface. Width of tracks 2 mm over the whole surface.

Size in mm	Item code Strips	Item code Pads
100 x 200	AJB 20	AJP 20

Réf. DU80, DU85**Carbide drill bits**

- Monopiece. Queue reinforced 3,17
- In stock from 0,4 mm to 3,17 mm
- Minimum drilling speed 20 000 tr/min
- Most little is the diameter, higher will be the speed
- Descent speed from 1,6 to 4 m/min

Ø (mm)	Item Code	Ø (mm)	Item Code
0,6	DU 66	2,0	DU 80
1,1	DU 71	2,5	DU 85

Réf. DUFD1**Carbide milling bit**

- Monopiece carbide tool
- Queue 3,17 mm - front face

Ø (mm)	Cote C in mm	Item Code
2,0	8,0	DUFD 1

Réf. EP116**Drilling plywood**

Basic configuration	Process	Item Code	Qty
Drilling boards, by 10	Drilling	EP116	1

Réf. CIF859**Desoldering station - HANDY 859****Key features for HANDY 859:**

- Ergonomic desoldering gun
- Build-in vacuum pump, with strong suction
- Entirely ESD

New auto desoldering station. The HANDY 859 station has a very light and easy handle ergonomic desoldering gun for easy work.

A closed circuit temperature sensor ensures a regular and accurate heating. The station is entirely ESD. It is also autonomous thanks to built-in vacuum pump.

The station is delivered complete with iron stand and cleaning kit.

Many nozzles are available:



Specification	Φ A (mm)	Φ B(mm)
A1002	Φ 0.8	2.3
A1003	φ 1.0	2.5
A1006	Φ 1.2	2.8
A1007	Φ 1.5	3.2

Description	Item Code
HANDY 859	CIF859

Technical characteristics	HANDY 859
Desoldering temperature	280°C to 450°C
Outlet tension	27 V AC
Desoldering gun power	60 W
Depressure power	680 mmHg
Desoldering extraction air flow	15 l/min
Power totale	130 W
Net weight	6,7 Kg
Dimensions L x w x H	162 x 250 x 160 mm
Electrical supply	230 V – 50/60Hz

Accessories for HANDY 859	Item Code
Nozzle Ø 0.8 mm	A1002
Nozzle Ø 1.0 mm	A1003
Nozzle Ø 1.2 mm	A1006
Nozzle Ø 1.5 mm	A1007

Réf. F42202**Solder flux for repair**

Packaging adapted to repair operations.

Frost flux is packaged in a syringe to have a very accurate deposit on the surface.

Each syringe is delivered with a manual plunger; it can be connected to a dispenser or due to the standard syringe shape.

Description	Item Code
No clean frost flux with plunger, syringe 10 cc	F42 202

Réf. F42240**Lead free alloys**

Description	Packaging	Item Code
Alloys Sn96.5Ag3Cu0.5, 12% of flux	syringe 10 ml	F42 240

Réf. I43410, I43411, I43412**THE NOZZLES FOR FILTRATEC® UNITS**

Nozzles for FILTRATEC® units	Item Code
Aluminium nozzle Ø 50 mm, bevelled end 45°	I43 410
Black plastic nozzle Ø 32 mm	I43 411
Black plastic nozzle Ø 50 mm	I43 412

Réf. I43512

Filter small hood dedicated to filter fumes, solvents, acids...

For a better view, this equipment has a transparent upper cover.
The small hood sits directly on the workbench surface. Strong iron manufacturing with an epoxy paint coating to avoid any corrosion risk.

An extraction pipe of diameter 75 mm allows easily connecting the cabinet to the filter units FILTRIX or FILTRATEC.

Description	Item Code
Filter small hood SH 75	I43 512

Technical characteristics	Model SH 75
Internal dimensions (L x w x H)	745 x 386 x 375 mm
Transparent upper cover	Yes
Connecting pipe Ø 75 mm	Yes
External dimensions (L x w x H)	750 x 400 x 380 mm
Net weight	11,10 Kg

Réf. I43510

Range of 2 cabinets conceived to filter fumes, solvents, acids...

For a better view, the cabinet has transparent openings on each side and includes in-line a removable front glass screen.

The air curtain cabinet directly sits on a workbench surface. Strong iron manufacturing with an epoxy paint coating to avoid any corrosion risk.

An extraction pipe of diameter 75 mm allows easily connecting the cabinet to the filter units FILTRIX or FILTRATEC.

Model	Item Code
Air Curtain Cabinet CAB 8050	I43 510

Technical Characteristics	Model CAB 8050
Internal dimensions (L x w x H) in mm	795 x 450 x 460
External dimensions <u>without</u> extraction pipe (L x w x H) in mm	800 x 460 x 462
External dimensions <u>with</u> extraction pipe (L x w x H) in mm	800 x 460 x 504
Removable front glass screen	Yes
Connecting pipe Ø 75 mm	Yes
Net weight	12 Kg

Réf. U800005, BB2PROD, U800006, BB4PROD**U800005****Set of product for exposure units including:**

- 10 autopositive Films Posireflex 210 x 297 mm
- 1 fixing developer, set for 1 l
- 20 Epoxy positive presensitised boards 16/10th, 35 µ, single sided, 200 x 300 mm
- 2 plastic trays 230 x 330 x 50 mm

1 CIF pen for direct etching, black

BB2PROD**Set of products for etching machine model GRAV'CI2**

- 1 jerrycan of 5 L of ferric chloride for foam machine
- 1 neutralisation kit for ferric chloride
- 1 ferric chloride neutraliser, pot of 100 g
- 2 plastic trays, 220 x 330 x 50 mm
- 1 plastic plier for films and PCB
- 1 bag of 100 disposable gloves in polyethylene
- 1 CIF pen for direct etching, black

U800006**Set of products for exposure units including:**

- 10 auto-positive films Posireflex 210 x 297 mm
- 1 fixing developer, for 1 l
- 10 epoxy presensitised positive 16/10th, 35 µ, 2F, 200 x 300 mm
- 1 CIF pen for direct etching, black
- 2 plastic trays 230 x 330 x 50 mm
- 1 Cutter with 1 blade

BB4PROD**Set of products for etching machine model GRAV'CI2**

- 1 jerrycan of 5 L of boosted ferric chloride
- 1 neutralisation kit for ferric chloride
- 1 ferric chloride neutraliser, pot of 100 g
- 2 plastic trays, 220 x 330 x 50 mm
- 1 plastic plier for films and PCB
- 1 bag of 100 disposable gloves in polyethylene
- 1 CIF pen for direct etching, black

Réf. V700043, V700044**V700043 / CIF852 :****Hot air temperature: 100 to 480°C****Temperature sensor : Yes****Heating element : Yes****Digital display of the temperature : Yes****Digital display of the hot air flow : Yes****Net weight of the iron : 0.12 kg****Pump flow : 1 to 23 L/mn****Total power : 500 W****Dimensions (L x W x H) : 188 x 244 x 126 mm****Net weight : 3.8 kg****Electrical supply : 230 V – 50/60Hz****Vacuum pen to grip the components: No****V700044 / CIF852 A++ :****Hot air temperature: 100 to 480°C****Temperature sensor : yes****Heating element : yes****Digital display of the temperature : yes****Digital display of the hot air flow : yes****Net weight of the iron : 0.12 kg****Pump flow : 1 to 23 L/mn****Total power : 500 W****Dimensions (L x W x H) : 188 x 244 x 127 mm**

Net weight : 3.8 kg

Electrical supply : 230 V – 50/60Hz

Vacuum pen to grip the components: Yes