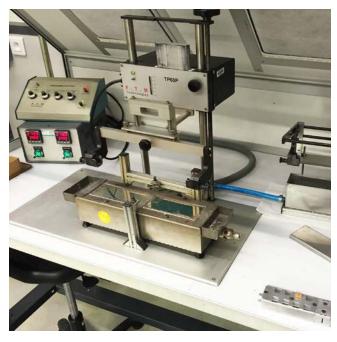


Technologies

Our know-how has been with you for 100 years







2019 | 2020 Catalogue

Air filtration | Soldering - Desoldering | Specialized tools for wiring and tinning Hand tools, consumables and workshop equipment

Contact us or do your request on our website.

78 Rue Raymond Poincaré 92000 NANTERRE - FRANCE info@ftm-technologies.com Tel +33(0)1 40 86 00 09 Fax +33(0)1 40 86 16 45

www.ftm-technologies.com



Reliability

FTM Technologies has been supplying equipments to numerous workshop in France and worldwide for many years with a proven contentment.



Adaptability

We offer a large range of standard products. We design and build custom-made solutions tailored to your needs.



Quality

FTM Technologies and SEM products are manufactured in France by our own teams, in our workshop, aiming at high standards of quality and control.



Availability

We have more than a thousand references in permanent stock and deliver most of our products within 48 hours.



FTM Technologies and SEM Marchand Pernot, a century of innovations.

Founded in 1918 under the SEM brand, which later became the Marchand Pernot establishment, the Company located in Paris quickly became a major player in the manufacture of electric soldering iron.

Since the end of the war, the company has become the leading French manufacturer of soldering irons targeting the Electronic Industries market.

A solid French customer base confirms, through its loyalty to the SEM brand, the reputation of quality of equipment and services.

In addition to its electronics business, the Company is well positioned in the markets for special products dedicated to electrotechnics and the lost wax and restaurant market.

For its part, FTM Technologies was created by a team of high level technicians with a long experience of the equipment of the workshops of Electronics and more generally of the Industry.

Its flagship products such as thermal strippers, tinning devices and cambering machines have been used since the 1980s by the largest French companies in the field of electronics.

Our equipment and tools are also used by leading sectors, such as Aeronautics, Military Industry or Medical Instrumentation

The development of a range of products dedicated to air filtration has strengthened its positioning and opened up new markets in many activities and industries.

Since June 2009, FTM Technologies and SEM Marchand Pernot have formed a single company to better meet the needs of their customers (products and services).

Today based in Nanterre, Ile de France, FTM Technologies continues the tradition and cultivates innovation by always offering its customers new products to meet their needs.

A range of products made in our workshops that cover our three main areas of expertise

Air filtration

Autonomous air filtration systems with internal recycling or external discharge for the treatment of pollutants in workshops and laboratories.

Our range is aimed at activities as diverse as the electronics and mechanical industry, plastics, universities, jewelery, chiropody, hairdressing, pharmacy, etc.

Many configurations are offered through table hoods, mobile hoods, suction cabins, arms and capture accessories.

Soldering

For tin soldering, find our thermoregulated stations and our offer of irons for the fields of electronics and microelectronics, electrical engineering, mechanics, lost wax foundry, restoration, stained glass work, leather goods, dehorning, etc.

An indispensable supply of consumables for the welding shop completes the catalog: welding wires, desoldering braids, masking tapes, fluxes and accessories.

Specialized tools for wiring and tinning

Our specialized tools around PCB and wiring cover in particular the following areas:

- Tinning of cables and components: static and dynamic tin baths, selective miniwaves, tinning stations
- Cable preparation by thermal stripping, resistance welding, enamel stripping and cutting
- The bending and cutting of axial components, radial and flat packs
- Preheating components by radiant or infra-red hot plates

An additional offer for small tools, consumables and workshop equipment:

We present a selection of products that meet the other needs of the workshops.

On the one hand a range of products at the price / quality ratio particularly studied for consumables, small tools, antistatic products, inspection and dosing equipment, etc.

On the other hand, a selection of products most sought after by our customers in some premium brands, such as Steinel, Leister, Hans Kolb, Kopal, ...

Find these and other products on our website www.ftm-technologies.com

Expertise in many areas to assist you in finding the best tool

FTM Technologies is also an ability to develop adaptations and products tailored to meet the particularities of your projects.

Consult us for your needs of any kind and our sales teams will analyze with you your specific constraints in order to offer you the ideal solution and even an adaptation or custom manufacturing.



Air filtration

- 8. Mini-hoods
- 8. Mobile hoods
- Built-in fume hood, Overhead fume hood, Multi-operator hoods
- 10. Multi-operator hoods
- 11. Suction arms
- 13. Fume cabinets
- 15. Filters, Accessories



Soldering - Desoldering SEM

- 18. Traditionnal soldering stations
- 20. Heavy duty soldering stations
- 21. Desoldering stations
- 22. Traditionnal soldering irons
- 23. Heavy duty soldering irons
- 24. Lost wax casting tools
- 25. Art restoration tools
- 26. Spatulas, Stained glass tools
- 27. Accessories and consumables



Specialized tools for wiring and tinning

- 30. Solder baths
- 32. Tinning system
- 33. Mini-waves
- 34. Separo, Radiant heating plates
- 36. Infra-red heating plates, Heating plates for lost wax casting
- 37. Axial and radial preforming equipments,
 Cambering and cutting machine for hybrid components
- 38. Thermal wire stripping
- 40. Resistance soldering device, Machines for the treatment of wires, cables and sheaths
- 41. Enamel wire strippers



Hand tools, consumables and workshop equipment

- 46. Heat blowers, Ceramic knives
- 47. Solder baths Economic range,
 Soldering irons Economic range, Gas iron In a box
- 48. Desoldering Braids
- 49. Alloys
- 52. Brazing accessories
- 53. Magnifying lamp, Dosage
- 54. Antistatic products
- 55. Workshop furniture, Controlled hygrometry cabinets









MINI-HOODS

Mini-hood for treatment of solvents smoke application of glues or small particles of dust. Can be placed directly on the working plan close to the emanation source. It can also be mounted on an articulated arm.

Supplied without filter.

HI8 can be used as a recirculating or as an external rejection system, see filters on page 15.

Technical data: Max flow: 240 m3/h Power: 85 W L x H x D: 240 x 200 x 300 mm Weight: 2,8 kg Mains supply: 230 V / 50 Hz Maintenance: Periodic change of the filter





MOBILE HOODS

Hood with visor HIIP

Mobile extractor for handling chemicals, solvents, soldering fumes, small particles, glues etc.

- · Large suction surface
- · Frees the workspace
- · Integrated lighting
- · Visor adjustable in height, prevents risks of splattering

Supplied without filter.

HIIP can be used as a recirculating or as an external rejection system, see filters on page 15.

Technical data:

Mini fixed flow hood

Variable flow: 50 to 450 m3/h Power: 80 W L x H x D: 350 x 470 x 500 mm Weight: 7 kg

Mains supply: 230 V / 50 Hz Maintenance: Periodic change of the filter

Outer rejection: Yes, Ø125 mm



Suitcase hood HI3P

Mobile extractor for handling chemicals, solvents, soldering fumes, small particles, glues etc.

- · Important suction surface
- · Does not clutter the work plan
- · Integrated lighting
- · Can be equipped with visors and transformed into small cabinets
- · Supplied without filter

HI3P can be used as a recirculating or as an external rejection system, see filters on page 15.

Technical data:

Variable flow: 50 to 450 m3/h

Power: 80 W

L x H x D: 350 x 430 x 200 mm

Weight: 6 kg

Mains supply: 230 V / 50 Hz

Maintenance: Periodic change of the filter

Outer rejection: Yes, Ø125 mm





Small visor for HI3P suitcase hood Ref. VHI3PP



Funnel visor for HI3P suitcase hood

BUILT-IN FUME HOOD

Built-in fume hood HI2P

Built-in hood used for heavy solvents and particles.

- Applications take place above the fume bood
- · Wide suction surface
- · Workstation can be emptied
- Dimension of housing for hood: 350 x 420 mm

Supplied without filter.

HI2P can be used as a recirculating or as an external rejection system, see filters on page 15.

Technical data:
Variable flow: 50 to 450 m3/h
Power: 72 W
L x H x D: 511 x 417 x 130 mm
Weight: 7,1 kg
Mains supply: 230 V / 50 Hz
Maintenance: Periodic change of

Outer rejection: Yes, Ø125 mm



Built-in fume hood **Ref. HI2P**

OVERHEAD FUME HOODS

Overhead fume hood HI9P and HI9PKL

Fume hood with variable flow, to be placed above the work plan. Extractor for handling chemicals, solvents, soldering fumes, small particles, glues etc.

- · Visor in translucent PVC 720 x 640 mm
- · Integrated lighting
- · Wide suction surface
- · Does not clutter the work plan
- Height of the PVC curtain kit: 970 mm, on 4 faces
- Curtain made of 4 folds for an easy installation and modification

Supplied without filter.

The hood can be used as a recirculating or as an external rejection system, see filters on page 15.

Technical data:

Variable flow: 50 to 450 m3/h

Power: 80 W

L x H x D: 720 x 300 x 640 mm

Weight: 8 kg

Mains supply: 230 V / 50 Hz

Maintenance: Periodic change of the filter

Outer rejection: Yes, Ø125 mm



Simple overhead fume hood



Chain for overhead fume hood **Ref. Chaine**



Overhead fume hood with PVC curtain kit Ref. HI9PKL

MULTI-OPERATOR HOODS

Multi-operator hood HI4P4S and HI4P6S

Mobile extractor for handling chemicals, solvents, soldering fumes, small particles, glues etc.

- Fume hood with variable flow, to be placed underneath the work plan
- Enables 4 connections of suction arms (HI4P4S) or 6 connections (HI4P6S)
- Supplied with 4 x 3 m of PVC corrugated hose and 3 caps to close unused inlets (HI4P4S)
- Supplied with 1 x 3 m of polyurethane hose and 5 caps to close unused inlets (HI4P6S)
- Many accessories for captation to be connected to the hood, see page 11.

Supplied without filter.

The hood can be used as a recirculating or as an external rejection system, see filters on page 15.

Accessories: see «segment suction arm» or «Suction arm for laboratory» page 11, and «suction plate» page 15.

Technical data:

Variable flow: 50 to 450 m3/h Power: 72 W

L x H x D: 350 x 430 x 260 mm Weight: 5,7 kg

Mains supply: 230 V / 50 Hz Maintenance: Periodic change of the filter

Outer rejection: Yes, Ø125 mm



Multi-operator fume hood HI-HEPA

Hood allowing connection of two sources of suction. Compact design and quiet, it offers a very broad spectrum of filtration thanks to its three-level complex including its particle filter H13 (High Efficiency Particulate Air) and its active carbon compartment (for solvents, glues etc)

- Supplied with 2 x 3 m flexible PVC hose, one closure cap and filters
- · Easy setup and easy to use
- · High capacity ventilator generating a very high and ajustable airflow with low noise
- 3 filters to promote efficiency of treatment and separate maintenance
- Remote control box (speed variation, on/off switch)
- · Supplied with filters (see page 15)

Technical data:
Available pressure: 3 000 Pa
Airflow without filter: 240 m3/h
System airflow with filter: 2 x 100
m3/h
Filtration efficiency: 99,97%
particles > 0.3 μm
Power: 250 W
L x H x D: 470 x 500 x 230 mm
Weight: 15,5 kg
Mains supply: 220 V / 50 Hz
Noise: Less than 65 dB
Maintenance: Periodic change
of the filter

Remote with speed dimmer: Yes



HI HEPA Hood Ref. HI-HEPA

HI-HEPA Mobile hoods

Equipped with a friction arm and a nozzle, it allows great flexibility in the workshop and a positioning closer to the source of emanation.

- Dimension 470 x 230 x 500 mm (without arm)
- · 4 wheels
- \cdot One articulated arm 1000 mm, ϕ 75 mm
- · Supplied with filters (see page 15)



HI-HEPA mobile hood with suction nozzle **Ref. HI-HEPA-BEC**



HI-HEPA mobile hood with dome **Ref. HI-HEPA-COUPOLE**

Extractor on wheels

Equipped with one or two arms, segmented arm or articulated arm version, the rolling hoods allows a great flexibility in the workshop, positioned near the point of emission.

- · Dimension: 640 x 550 x 840 mm
- · Pre-drilled stratified tray 40 mm thick
- · 4 wheels, 2 with brake
- Supplied without suction arm, to choose in sections «Segment suction arm» or «Suction arm for laboratory» on page 11



HEPA Extractor on wheels Ref. ROULANTE_HEPA



HI4P4S Extractor on wheels Ref. ROULANTE_HI4P4S

SUCTION ARMS

Standard and ESD segment suction arms

Suction arm made of acetal copolymer, a material chemically resistant to petroleum products.

- Exists in standard version (blue) or in antistatic version (black)
- · Light and very rigid, the arm stays on a great length without bending
- Possibility of increase or reduce the length of the arm by adjusting it with additional segments

Technical data: Length: 770 mm Ø inside: 62 mm Ø outside: 74,5 mm Curve: R 146 mm Maximum use temperature: 80°C Melting point: 165°C

Standard version	ESD version	Description
Ref. 89 220/226	Ref. 89 320/226	Segment suction arm Length 770 mm (Nozzle not included)
Ref. 81 201	Ref. 81 301	9 additional segments Total length 300 mm
Ref. 81 205	Ref. 81 305	Tapered oval nozzle Length 150 mm
Ref. 81 203	Ref. 81 303	Round nozzle Diameter 119 mm
Ref. 81 204	Ref. 81 304	Rectangular nozzle Dimension 157 x 93 mm
	Ref. Q-AD426560	Large rectangular nozzle Dimension 356 x 216 mm
Ref. 81 208	Ref. 81 308	Slide valve
Ref. 81 208 G315	Ref. 81 308G315ESD	Grid filter Mesh width about 0.6 mm
Ref. BF	Ref. BF ESD	Table clamp Fixed with 2 clamps

MAKE YOUR REQUEST FOR QUOTE ONLINE

www.ftm-technologies.com

Suction arms for laboratories

Its design allows a table, on wall or ceiling

Exists in standard quality, polypropylene, ESD or Atex. Supplied in different diameters :

50, 75 or 100 mm.

Various possible models to find on ftm-technologies.com

Suction arm 50 mm in diameter **Ref. ME50**

Suction arm 75 mm in diameter **Ref. TERFU75**

Suction arm 75 mm in diameter

Suction arm 100 mm in diameter **Ref. ME100**









ATEX ceiling mount







Dome hood



Flat hood





Suction nozzle

FUME CABINETS

HI5VP Fume cabinet standard dimensions

Fume cabinet with one extraction group, for filtration requiring a cantonment of space, such as cleaning solvent, machines exhaling a batch of fumes, aerosol application, handling chemicals products etc.

- · Easy mounting, readily movable
- · Aluminium section
- Filling: Tempered glass 6 mm and white melamine 19 mm
- · Integrated lighting

The hood can be used as a recirculating or as an external rejection system, see filters on page 15.



Cabin without door **Ref. HI5VP**

Technical data: Variable flow: 50 to 450 m3/h

Power: 80 W

L x H x D: 800 x 700 x 700 mm

Weight: 33 kg

Mains supply: 230 V / 50 Hz

Maintenance: Periodic change of the filter

Outer rejection: Yes, Ø125 mm



Cabin with lift door, hand passage 200 mm Ref. HI5VPP



Cabin with sliding door **Ref. HI5VPC**

HI5VP Custom made fume cabinets

The HI5VP fume cabinet can be provided in various widths.



HI5VP Double fume cabinet



HI5VP Triple fume cabinet



Optional glass strip



Optional lift-up door



Optional hinged door



Fume cabinet with lifting and sliding door (PMMA)

HI6VP fume cabinet

- Pyramidal fume cabinet with one extraction
- · Hand clearance 390 mm, or made to measure
- · Work above the product thanks to the protection glass

The hood can be used as a recirculating or as an external rejection system, see filters on page 15



Tailor made fume cabinets

Some examples of custom manufacturing. Consult us according to your needs.















FILTERS

Reference	Designation	Hood reference	Classification
PF2	Prefilter (batch of 10 units)	HI8 hood	G3
FA2	Dust medium filter	HI8 hood	G4
FC2	Active carbon filter (solvent and smoke recycling)	HI8 hood	N/A
PFP1	Protection prefilter (batch of 10 units)	All hood except HI8 and HI-HEPA	G3
PF3	Protection prefilter (batch of 10 units)	All hood except HI8 and HI-HEPA	M5
FPP1	Dust filter for external rejection	All hood except HI8 and HI-HEPA	G4
FAP1	Particle medium filter	All hood except HI8 and HI-HEPA	M5
FCP1	Vegetal active carbon filter (solvent, gas and fumes recycling)	All hood except HI8 and HI-HEPA	N/A
FCP1 min	Mineral active carbon filter for acetone	All hood except HI8 and HI-HEPA	N/A
FCP1 blend	Active carbon filter combined to potassium permanganate (Formol and others products)	All hood except HI8 and HI-HEPA	N/A
FCP1-FT H2SO4	Active carbon filter impregnated with sulfuric acid for alcali treatment	All hood except HI8 and HI-HEPA	N/A
FCP1-FT KOH	Active carbon filter impregnated with potash for acid treatment	All hood except HI8 and HI-HEPA	N/A
FP6102	Batch of 5 prefilters	HI-HEPA hood	M5
FM6102	Medium filter	HI-HEPA hood	F8
FH6102	Main active carbon filter combined to potassium permanganate + HEPA filter	HI-HEPA hood	N/A + H13

ACCESSORIES



Flexible hose for outer rejection **Ref. T125M0**



Flexible PVC hose for HI4P4S hood connection **Ref. T80**



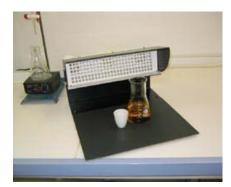
Polyurethane flexible hose for HI4P6S hood connection **Ref. T50PU**



Closure cap for multi-operator hood HI4P4S **Ref. B80**



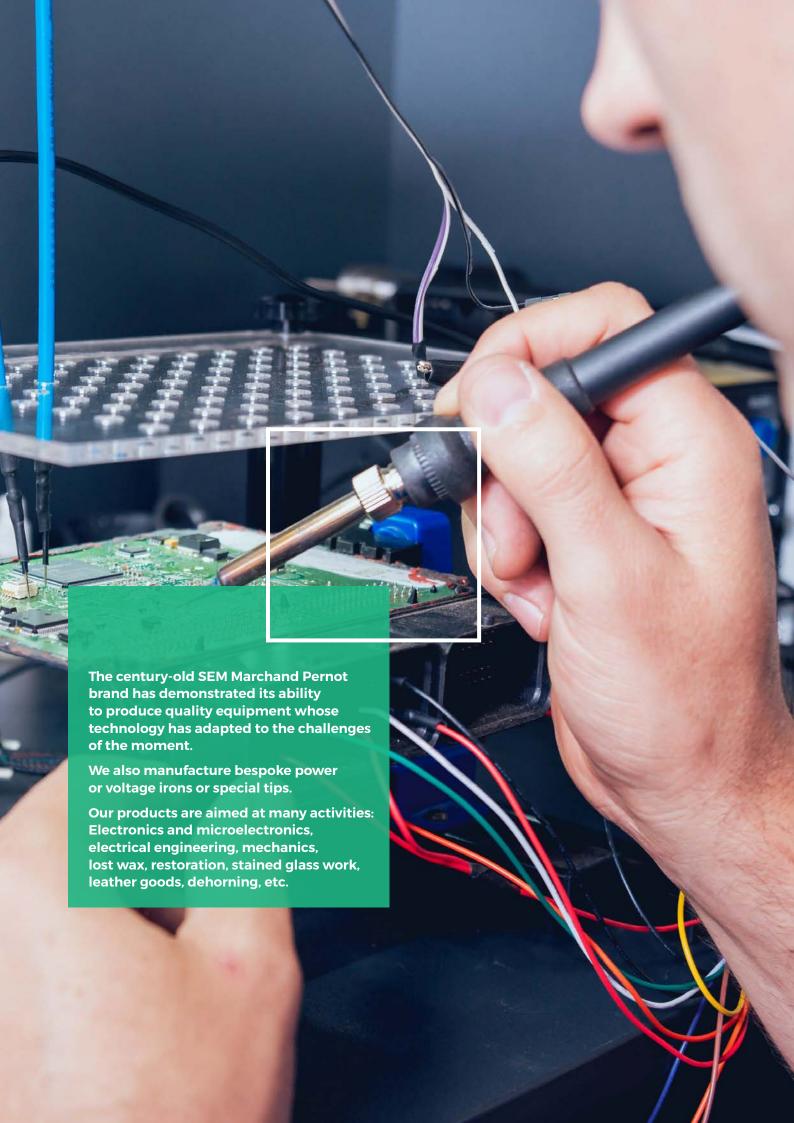
Closure cap for multi-operator hood HI4P6S **Ref. B50**



Suction plate for HI4P4S **Ref. API**



Suction plate for HI4P6S **Ref. AP2**





TRADITIONNAL SOLDERING STATIONS

In this range, a set is composed of:

- · 1 ESD thermoplastic control box
- · 1 soldering micro-iron or traditionnal iron
- · 1 "high-yield" treated lead-free tip
- · 1 iron rest

Technical data of the control box

Power: 50 W, 100 W or 150 W Mains supply: 220/240 V - 50/60 Hz

Output voltage: 24 VAC

Isolation: 4 kVAC

Wave train regulation Antistatic treated material

Pilot microprocessor type ST6

Display of programmed temperature and actual temperature (DC version)

Regulation accuracy of +/-2°C

Visualization of the regulation by led

Grounding socket
Removable power cable

Non-combustible, flexible and antistatic iron cord

Stations for traditionnal micro-iron



Station 40 W, micro-iron without display **SEM40D** with display **SEM41DC**



Station 95 W, micro-iron without display **SEM95D** with display SEM95DC

Station	Control box	Soldering iron	Tip*	Sheath Ø	Tip length	Tip width
SEM40D Ref. 1010001020			Supplied with Ref. 1051001025 Conical type			0,3 mm
	Power 50 W	1601 40 W Micro-iron Ref. 1021001001	Others tips available Ref. 1051001024 Fine conical type			0,3 mm
SEM41DC Ref. 1010001024			Ref. 1051001026 Needle type	3,3 mm	15 mm	0,3 mm
	Power 50 W	Very light for precision work under binocular,	Ref. 1051001028 Conical type			0,9 mm
	With display and programming	micro SMT soldering	Ref. 1051001030 Screwdriver type			1,6 mm
			Ref. 1051001074 Double conical type			0,3 mm
SEM95D Ref. 1010001098			Supplied with Ref. 1051001064 Conical type		15 mm	0,3 mm
	Power 100 W	2101 95 W Iron Ref. 1021001025	Others tips available Ref. 1051001058 Screwdriver type		18 mm	4,6 mm
SEM95DC Ref. 1010001095			Ref. 1051001062 Screwdriver type	5 mm	15 mm	1,6 mm
	D 100 W/	Suitable for brazing lead-free alloys, through-circuit	Ref. 1051001063 Screwdriver type	5 mm	15 mm	1,0 mm
	Power 100 W With display and programming	components on multi-layer circuit.	Ref. 1051001065 Needle type		15 mm	0,3 mm
*Packaged by 5			Ref. 1051001066 Screwdriver type		15 mm	2,6 mm

Stations for traditionnal iron



Station	Control box	Soldering iron	Tip*	Sheath Ø	Tip length	Tip width
SEM50D Ref. 1010001019			Supplied with Ref. 1051001003 Screwdriver type		21 mm	1,6 mm
	Power 50 W	Iron 2501 50 W	Others tips available Ref. 1051001004 Screwdriver type		21 mm	2,5 mm
SEM51DC Ref. 1010001022		Ref. 1021001005	Ref. 1051001005 Screwdriver type	5 mm	21 mm	3,5 mm
	Power 50 W	Traditional and universal	Ref. 1051001006 Conical type	311111	21 mm	0,5 mm
	With display and programming	for all electronic work	Ref. 1051001007 Conical type whistle		21 mm	1,8 mm
			Ref. 1051001058 Screwdriver type		18 mm	4,6 mm
SEM100D Ref. 1010001014			Supplied with Ref. 1051001041 Screwdriver type		Straight	2,6 mm
	Power 100 W	Iron 3401 100 W Ref.1021001006	Others tips available Ref. 1051001042 Screwdriver type		Curved	2,6 mm
SEM101DC Ref. 1010001016		_	Ref. 1051001043 Screwdriver type	6 mm	Straight	1,6 mm
	Power 100 W With display and	Designed for high- temperature welding at 510°C, ground planes,	Ref. 1051001045 Screwdriver type		Straight	0,8 mm
*Packaged by 5	programming	connectors	Ref. 1051001046 Screwdriver type		Straight	4,6 mm

Thermoregulated soldering station, dual input - SEMDUAL



Thermoregulated soldering station, dual input - SEMDUAL 24 V Ref. 1010001028

In this range,

a set is composed of:

- 1 ESD thermoplastic control box
- 2 soldering irons (40 to 100 Watts) up to a total power of 150 W (to be added and selected according to the concordance table below)
- 2 iron holder (to be added)2 lead-free treated highyield
- 2 lead-free treated highliel tip (included with irons)

		40 V ef. 1021 (50 V ef. 10210	100 \ Ref. 0210	100 W Bu ef. 10210	40 V	50 V	95 V Ref. 10210
Reference	Code	Œ	œ		œ			~
DUAL MDC	Ref. 1010001006	Χ				Χ		
DUAL DC	Ref. 1010001005	Χ					Х	
DUAL MPDC	Ref. 1010001031	Χ						Χ
DUAL 2DC	Ref. 1010001003		Χ				Χ	
DUAL 595DC	Ref. 1010001057		Χ					Χ
DUAL 140DC	Ref. 1010001070			Χ		Χ		
DUAL 150DC	Ref. 1010001072			Χ			Х	
DUAL 140BD	Ref. 1010001006				Χ	Χ		
DUAL 150BDC	Ref. 1010001073				Х		Х	

1st soldering iron

2nd soldering iron

Stations for buffalo iron





Station	Control box	Soldering iron	Tip (Buffalo type)	Sheath Ø	Tip length	Tip width
Station	CONTROL BOX	Soldering from	пр (винаю туре)	Sneath Ø	Tip length	TIP WIGHT
SEM100BD Ref. 1010001036		3501 100 W Buffalo Iron Ref. 1021001007				
	Power 100 W		Supplied without tip			
SEM101BDC	Power 100 W		Others tips available Ref. 1051001018			3 mm
Ref. 1010001038	With display and programming	Brazing on large mass planes, on braid and		8 mm	35 mm	
		for power components	Ref. 1051001019			5 mm
SEM151BDC Ref. 1010001104	Power 150 W	3601 150 W Buffalo Iron Ref. 1021001027				
Ref. 1010001104	With display and programming	Ret. 1021001027	Ref. 1051001020			8 mm
	programming					

HEAVY DUTY SOLDERING STATIONS

Heavy duty soldering stations

All these kits come with a temperature controlled station, a soldering iron, a steel iron rest, and for the SEA300 station a long-life tip.

Technical data: of the control box

- · Primary voltage: 230 V 50/60 Hz
- · Secondary voltage: 230 V
- Continuous regulation of the temperature: From 50 to 450°C
- Microprocessor-controlled
- Digital display



300 W Heavy-duty soldering station - SEA 300

450 W Heavy-duty soldering station - SEA 450X

600 W Heavy-duty soldering station - SEA 600X

Station	Soldering iron	Tip (Screwdriver type)	Treatment	Sheath Ø	Tip length	Tip width
SEA 300 300 W Ref. 1010001012	Voltage 230 V Temperature sensor Length with tip: 360 mm Weight: 490 g Non-combustible cord: 2 m	Supplied with Ref. 1053001003	Long-life			
	1	Tips available Ref. 1053001005	Raw copper			
				9,5 mm	117 mm	5,5 mm
		Ref. 1053001006	Nickel plated copper			
		Ref. 1053001007	Nickel plated copper			
SEA 450X 450 W Ref. 1010001030	Voltage 230 V Temperature sensor Length with tip: 330 mm Weight: 670 g Non-combustible cord: 2 m	Supplied without tip				
	(core	Others tips available Ref. 1053001015	Long-life			
SEA 600X 600 W Ref. 1010001002	Voltage 230 V Temperature sensor Length with tip: 330 mm Weight: 670 g	Ref. 1053001017	Raw copper	13,5 mm	155 mm	14 mm
	Non-combustible cord: 2 m	Ref. 1053001021	Nickel plated copper			
			copper			

DESOLDERING STATIONS

Desoldering stations are composed of:

- · SEMDPA desoldering module
- SEMDATA soldering thermoregulation unit
- Desoldering iron 100 W
- \cdot Soldering irons (on SEM DUAL stations)
- Desoldering nozzles
- Tips







150 W Soldering-desoldering station - DUAL DPA100

195 W Soldering-desoldering station - DUAL DPA100M95

Station	Soldering iron	Tip*	Desoldering nozzle*	Treatment	Sheath Ø	Ø Ext x Ø Int
DPA 100 Ref. 1011001043	100 W Desoldering iron Ref. 1021001003					
DUAL DPA 100 Ref. 1011001009	100 W Desoldering iron	Supplied with Ref. 1051001003 Screwdriver type				
		Others tips available Ref. 1051001004 Screwdriver type	Supplied with Ref. 1050001052	Long-life	6 mm	2,5 x 1,1 mm
	2501 50 W Iron Ref. 1021001005	Ref. 1051001005 Screwdriver type				
		Ref. 1051001006 Conical type	Autres buses possibles Ref. 1050001003	High yield	6 mm	2,0 x 0,8 mm
		Ref. 1051001007 Conical type whistle	Ref. 1050001005	High yield	6 mm	3,0 x 1,6 mm
		Ref. 1051001058 Screwdriver type	Ref. 1050001006	High yield	6 mm	3,5 x 2,0 mm
DUAL	100 W Deceldering iron		Ref. 1050001007	High yield	6 mm	4,0 x 2,5 mm
DPA 100M95 Ref. 1011001028	100 W Desoldering iron	Supplied with Ref. 1051001064 Conical type	Ref. 1050001053	Long-life	6 mm	3,0 x 1,6 mm
		Others tips available Ref. 1051001058 Screwdriver type	Ref. 1050001054	Long-life	6 mm	3,5 x 2,0 mm
	2101 95 W Iron Ref. 1021001025	Ref. 1051001062 Screwdriver type	Ref. 1050001055	Long-life	6 mm	2,5 x 1,3 mm
		Ref. 1051001063 Screwdriver type	Ref. 1050001056	Long-life	6 mm	2,0 x 0,8 mm
		Ref. 1051001065 Needle type				
		Ref. 1051001066 Screwdriver type				
*Packaged by 5						



TRADITIONNAL SOLDERING IRONS

Soldering iron with system of "direct transfer" of heat (wrapping heating element), supplied with a long-lasting tip

Soldering iron	Tip*	Sheath Ø	Tip length	Tip width
40 W Iron Ref.1022001012	Supplied with Ref.1051001041 Screwdriver type			2,6 mm
	Others tips available Ref. 1051001042 Screwdriver type			2,6 mm
	Ref. 1051001043 Screwdriver type	6 mm	70 mm	1,6 mm
	Ref. 1051001045 Screwdriver type			0,8 mm
	Ref. 1051001046 Screwdriver type			1,6 mm
55 W Iron Ref. 1022001014	Supplied with Ref.1052001045 Screwdriver type			3,6 mm
	Others tips available Ref. 1052001044 Screwdriver type	8 mm	75 mm	2,6 mm
	Ref. 1052001046 Screwdriver type			3,6 mm
75 W Iron Ref. 1022001021	Supplied with Ref. 1051001018 Buffalo type			3 mm
	Others tips available Ref. 1051001019 Buffalo type	8 mm	65 mm	5 mm

^{*}Packaged by 5 exept for buffalo type



HEAVY DUTY SOLDERING IRONS

High power iron for large mass plan and large soldering. Specific voltages and powers on request. Iron supplied without tip. Bespoke tips on demand.

RP500 Power regulator Adjusts the temperature of the iron

- · Mains power supply: 230 V 50/60 Hz
- Microprocessor control
- · Control accuracy ±2 %
- · Control for soldering iron from 17 W to 450 W



Soldering iron	Tip Screwdriver type	Treatment	Sheath Ø	Tip length	Tip width
FP100 soldering iron 100 W Ref. 1023001002 Weight: 500 g	Tips available Ref. 1053001003	Long-life			
Length with tip: 350 mm	Ref. 1053001005	Raw copper			
	Ref. 1053001006	Nickel plated copper	9,5 mm	117 mm	5,5 mm
	Ref. 1053001007	Nickel plated copper			
FP150 soldering iron 150 W Ref. 1023001005	Tips available Ref. 1053001009	Long-life			
Weight: 590 g Length with tip: 360 mm	Ref. 1053001011	Raw copper	11,5 mm	130 mm	7,5 mm
	Ref. 1053001014	Nickel plated copper			
FP200 soldering iron 200 W Ref. 1023001007	Tips available Ref. 1053001015	Long-life			
Weight: 755 g Length with tip: 360 mm	Ref. 1053001017	Raw copper			
FP250 soldering iron 250 W Ref. 1023001009	Ref. 1053001021	Nickel plated copper	13,5 mm	155 mm	14 mm
Weight: 755 g Length with tip: 380 mm					
FP300 soldering iron 300 W Ref. 1023001011	Tips available Ref. 1053001024	Raw copper			
Weight: 970 g Length with tip: 420 mm	Ref. 1053001027	Nickel plated copper	17.5	170	17.5
	Ref. 1053001032	Long-life	17,5 mm	170 mm	17,5 mm
FP400 soldering iron 400 W Ref. 1023001013	Tips available type marteau Ref. 1053001026	Raw copper			
Weight: 1 220 g Length with tip: 420 mm	Ref. 1053001029	Nickel plated copper			
FP500 soldering iron 500 W Ref.1023001015	Ref. 1053001036	Long-life	17,5 mm		45 mm
Weight: 1 220 g Length with tip: 420 mm					

LOST WAX CASTING TOOLS

Technical data: of the control box

Mains supply: 230 V - 50 Hz Low voltage output: 24 VAC with isolation

Power: AC5S: 50 W / SEM101R: 100 W Button to control the desired temperature (tolerance +/- 2%): 40 to 250°C for AC5S station / 50 to 510°C for SEM101R station Antistatic case supplied without spatula. Angled spatulas diam. 6 mm to choose on page 26

Display of the real temperature Bright on/off switch Microprocessor electonics



50 W AC5S Soldering station with a temperature limitation of 250 °C Ref. 1010001052

100 W SEM101R Soldering station **Ref. 1010001055**



3701AC iron for AC5S station **Ref. 1021001013**Included in the station



Iron 3801 for station SEM101R Ref. 1021001014 Included in the station

Irons for lost wax

Straight spatula iron supplied with its tip and an iron-rest.

OPTIONAL: To increase the accuracy and quality of your work, this iron can be connected to the **power regulator Ref. RP500** which allows operation over a wide range of temperatures from 0 to 300°C max.

Technical data of the applicator iron

Mains supply: 230 V – 55 W for SPAT55FCP iron / 230 V – 75 W for SPAT75FCP iron Maximum temperature: 350 to 400°C according to the spatula Iron weight with spatula: 200 g for SPAT55FCP iron / 250 g for SPAT75FCP iron Heating coiled element "high reliability" Stainless steel heating body Anti-static thermoplastic handle



Iron applicator with a power of 55 W **Ref. SPAT55FCP**

Supplied with straight spatula **Ref. ATS2**, see page 26

Iron applicator with a power of 75 W **Ref. SPAT75FCP**

Supplied with straight spatula **Ref. ATS1**, see page 26

Pin iron for lost wax

Technical data of pin iron

Mains supply: From 3 to 6 VAC Maximum temperature: 400°C according to the type of connector Iron weight: 115 g Heating element Nickel Chrome Heat-resistant and lightweight handle



Precise 17W iron with a choice of connectors



Pin iron with stereo cable jack **Ref. FER EPINGLE JACK**



Pin iron with BDT1_A connector Ref. FER EPINGLE FRB



Pin iron with banana connector Ref. FER EPINGLE FB

Sharp irons for lost wax

17 W sharp iron with a removable annealed copper tip (thus malleable) with diameter 3 mm

Ref. panne_pointu

Technical data of 17 W 6 V sharp iron Mains supply: 3 to 6 V max AC Maximum temperature: 150°C depending

on generator Iron weight with the pin: 85 g Heating coiled element "high reliability" Stainless steel heating body Anti-static thermoplastic handle

Technical data of 17 W 230 V sharp iron

Mains supply: 230 V Maximum temperature: 350°C Iron weight with the pin: 100 g Heating coiled element "high reliability" Stainless steel heating body Anti-static thermoplastic handle



Sharp iron 17 W 6 V with jack connector **Ref. FER POINTU AVC1**

Sharp iron 17 W 6 V with DIN connector **Ref. FER POINTU AVC2**



Sharp iron 230 V Ref. SNEC17

OPTIONAL

To increase the accuracy and quality of your work, this iron can be connected to the power regulator Ref. RP500 which allows operation over a wide range of temperatures from 0 to 300°C max

ART RESTORATION TOOLS

Technical data of the control box

Mains supply: 230 V - 50 Hz Low voltage output: 24 VAC with 4 kV isolation

Power: 50 W for AC5S station/ 100 W for SEM101R station Button to control the desired temperature (tolerance +/- 2%): 40 to 250°C for AC5S station / 50 to 510°C for SEM101R station Antistatic case supplied without spatula. Angled spatulas diam. 6 mm to choose on page 26 Display of the real temperature Bright on/off switch Microprocessor electonics



50 W AC5S Soldering station with a temperature limitation of 250 °C Ref. 1010001052

100 W SEM101R Soldering station Ref. 1010001055



3701AC iron for AC5S station Ref. 1021001013 Included in the station



Iron 3801 for station SEM101R Ref. 1021001014

Included in the station

Irons for station

Angled spatulas diameter 6 mm available on page 26.



Heating spatula 40 W SPAT850 **Ref. 1022001031**



Heating spatula 40 W low temperature SPAT850BT Ref. 1022001046



Heating spatula 55 W Ref. 1022001049



Heating spatula 100 W Ref. SEM100SPAT

SPATULAS

Ø 6 MM



Very small angled spatula 22 x 12 mm Ref. 1051001091





Small angled spatula 32 x 16 mm Ref. 1051001073



Medium angled spatula 52 x 25 mm Ref. 1051001072



Large angled spatula 90 x 50 mm Ref. 1051001071



Large straight spatula 18 x 90 mm for SPAT75FCP iron **Ref. ATS1**



Small straight spatula 10 x 70 mm for SPAT55FCP iron Ref. ATS2

Other models of spatulas on request

STAINED GLASS TOOLS

Irons for stained glass

Technical data for 100 W iron Mains supply: 230 V 50/60 Hz Mass: 350 g with its copper curved tip Ø9,5 mm Ref. 1053001041 Length: 340 mm wih tip

Technical data for 150 W iron Mains supply: 230 V 50/60 Hz Mass: 500 g with its copper curved tip Ø11,5 mm **Ref.1053001034** Length: 350 mm with tip





ACCESSORIES AND CONSUMABLES



Iron holder for 50 W soldering iron **Ref. 1040001004**

Iron holder for 100 W soldering iron **Ref. 1040001001**



Tip temperature tester **Ref. XY191**



Power regulator Ref. 1010001077



Iron holder for desoldering iron Ref. 1040001015



Tin coil, see page 49 **Ref. ESP**



Desoldering braid, see page 48 **Ref. ECU**



Tip cleaner **Ref. XY460**



Reload for tip cleaner **Ref. XY459**



Tip renovator **Ref. BS2**



Solvent dosing bottle **Ref. XY450**

See our masking tapes in Kapton and our flux on page 52

MAKE YOUR REQUEST FOR QUOTE ONLINE

www.ftm-technologies.com



Specialized tools for wiring and tinning

SOLDER BATHS

Static solder baths

Static solder baths are used for tinning or degolding components leads and wires. Some baths can even be equipped with a manual pantograph for tinning or degolding components in series.

- Cast-iron crucible, cylindrical high load resistor
- · Type J thermocouple (except for PE500)

All our products are compliant with lead-free alloys.



Static soldering pot **Ref. PE500**



Thermoregulated static soldering pot **Ref. PE600NAD**



Thermoregulated static soldering bath **Ref. BE600N**



Thermoregulated static soldering bath **Ref. BE300X50**



Thermoregulated static soldering bath **Ref. BE300X90**



Dual static bath solder **Ref. BE300x50D**

Reference	Mains supply	Power	Diameter Crucible mm	Weight of solder	Overall dimensions mm	Regulation
PE500		500 W	Ø 60 mm Depth = 60	1.3 kg	140 x 140 x 140	No (RP500 possible
PE600NAD		600 W			300 x 140 x 140	
BE600N	–		150 x 100 x 55	6 kg	480 x 280 x 155	Yes: PID
BE300X50		1600 W	300 x 50 x 45	 5 kg		- adjustment: from 0° to
BE300X50D		1000 **	Two crucibles 145 x 50 x 45		640 x 200 x 150	600°C with adjustable setpoint
BE300X90	X90 2400 W 300 x 90 x 55 11 kg					

Custom made soldering baths

Crucibles made of titanium (grade according to temperature requirement). Stainless steel body. Control box with dual display. Contact us for any special request.













Rotative solder baths

The Rotadip is designed for tinning, degolding or de-enamelling. The rotation of the dross blade in the circular pot allows the automatic scraping of the dross, which falls in the retrieval ring while maintaining the tin surface clean and free from impurities.

These pots can be used with lead free alloys.

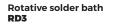
All Rotadips come with precise digital controller, allowing to monitor temperature within ±2°C.

Reduce the contamination with oxydes

- · Reduce the process disruption and the maintenance costs

These products exist in different dimensions, 76 and 152 mm diameter.







Rotative solder bath

Reference	Diameter x depth mm	Alloy capacity kg	Maximum temperature °C	Power	Options
RD3D	76 x 45	2,5	420	450 W	Digital display controller
RD3VS	76 x 45	2,5	420	450 W	Digital display controller and variable speed
RD3HT	76 x 45	2,5	550	800 W	Digital display controller and high temperature
RD3HTVS	76 x 45	2,5	550	800 W	Controller with digital display, high temperature and variable speed
RD6D	152 x 76	12	450	1550 W	Digital display controller
RD6VS	152 x 76	12	450	1550 W	Digital display controller and variable speed
RD6HT	152 x 76	12	550	2500 W	Digital display controller and high temperature
RD6HTVS	152 x 76	12	550	2500 W	Controller with digital display, high temperature and variable speed
PEDALE_ ROTADIP	Cycle launch pedal				



TINNING SYSTEM

Tinning robot

This robot allows the conveying of components during tinning, gold and enamel removal or fluxing operations and monitors the following parameters: input speed, exit speed, pre-heating time, immersion time.

Thanks to its very precise parameters, it allows to avoid bridges that can be found between the components legs at the tinning exit..

To equip a full tinning system you need:

- · TP60P Tinning robot
- · Solder bath (300x50 300x50D 300x90)
- · Component holder bar (to be defined according to the application)
- Flux station (flux tank, flux tank with pantograph)
- · Tool loader (if needed)



Ref. TP60P

Accessories tinning system



Soldering pantograph **Ref. PANTO**



Flux tank with pantograph Ref. BAC_A_FLUX_+_PANTO



Flux tank
Ref. BAC_A_FLUX_INOX



Tool loader
Ref. CHARGEUR_OUTIL



Example of component holder bar

MAKE YOUR REQUEST FOR QUOTE ONLINE

www.ftm-technologies.com

MINI-WAVES

Selective mini-waves

These selective Mini-Waves are made of titanium, to reach very high temperatures and allow the welding and desoldering of components with precision and cleanliness.

- · Compact
- Many applications (lead-free soldering, repair work, production lines)
- Safe: setting the temperature of the bath with a digital screen, the power and the height of the wave, the immersion time in the wave.
- Possible addition of additional accessories (fluxing at constant level, nitrogen cover...)



Selective mini-wave Ref. MV100 Ref. MV400 Ref. MV500

EXAMPLES OF CUSTOM MADE NOZZLES











	MV100 and MV100-GD5	MV400 and MV400-HG	MV500 and MV500-HG	MV550
Mains supply	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz
Dimensions L x l x H	370 x 240 x 280 mm	570 x 250 x 200 mm	700 x 300 x 170 mm	750 x 260 x 290 mm
Power	1 350 W	1 800 W	2 700 W	3 000 W
Alloy capacity	12 kg	20 kg	45 kg	55 kg
Accepts a maximum dimension nozzle	125 x 20 mm	125 x 30 mm	200 x 20 mm	250 x 30 mm
PCB maximum dimensions	160 x 500 mm	160 x 500 mm	500 x 600 mm	300 x 500 mm
Maximum temperature	300°C for MV100 500°C for MV100-GD5	500°C	300°C	400°C
Heating time	45 min	1 hour	1 hour	1 hour

Options and accessoires for mini-waves

Reference	Options
HORL/MV	Clock for programming the heater
POINT/LASER	Laser pointer for MV500
	PCB support
MB/MV	Pneumatic up and down
MBE/MV	Electric up and down (only for a mini-waves with touch screen power box)
TABLE/XY	X-Y table system for MV500
SUPP/CIE	CIE support (adjustable)
PEDALE/MV	Pedal for cycle start
KIT/AZOTE/MV	Nitrogen cover with 1 pressure reducer gauge, 1 flow meter, 1 titanium cover equipped with a diffuser (porous stainless steel)
PROG/HG	Remote control cabinet including, ATV 12 + PLC controller near the mini wave for recording different programs (temp. pump power, bath T $^\circ$ C) - only on models equipped with a touch screen

Many possible configurations. Do not hesitate to contact us for your projects: example of custom fluxing/tinning station below



SEPARO

The SEPARO works by taking advantage of the different specific weights of raw materials to be separated. The alloy (heavier) is deposited on the bottom of its crucible by passing through a suitable filter, the latter retaining the "dross dust", lighter, which floats in the molten bath.

The tin is then poured in molds via the tap of the machine and can be used again.

- · Recovery of 40 to 70% of pure alloy
- · Quick ROI
- Compliant to environmental quality standards

Technical data: Mains supply: 230 V Power: 2 kW To capacity: 25 kg Empty weight: 13 kg Dimension: 460 x 630 x 260 mm



Ref. Séparo

RADIANT HEATING PLATES

Compact radiant heating plates

They are mainly designed for applications such as drying glues, circuit repair in SMT or through-hole technologies etc. Reaches temperature up to 300°C.

- · Thermal belt to protect the operator
- · Adjustable plate level
- \cdot Temperature displaid when switched off



Compact radiant heating plates

Reference	Plate dimensions L x l mm	Overall dimensions L x l x H mm	Power / Mains supply		
PC3C	150 x 100	330 x 220 x 55	500 W / 230 V - 50/60 Hz		
PC2C	150 x 200	380 x 270 x 55	1 500 W / 230 V - 50/60 Hz	– – Regulation PID 1 display	
PC300x150C	150 x 300	480 x 270 x 55	1 500 W / 230 V - 50/60 Hz		
PCM450C	150 x 450	630 x 270 x 55	2 200 W / 230 V - 50/60 Hz	- Mandaan aan ta waxaa aa ka waxaa	
PC300x200C	300 x 200	480 x 320 x 55	2 000 W / 230 V - 50/60 Hz	 Maximum temperature 300°C 	
PC1C	300 x 300	480 x 420 x 55	2 700 W / 230 V - 50/60 Hz	Rise time in temperature	
PC300x350C	300 x 350	530 x 420 x 55	3 000 W / 230 V - 50/60 Hz	0 à 300°C / 15'	
PCM500x400C	500 x 400	680 x 520 x 55	3 200 W / 230 V - 50/60 Hz		

Radiant heating plates with separate thermoregulation units

They are mainly designed for applications such as drying glues, circuit repair in SMT or through-hole technologies etc. Reaches temperature up to 400°C.

- · Thermal belt to protect the operator
- · Adjustable plate level
- · Temperature displaid when switched off



Radiant heating plates with separate thermoregulation units

Reference	Plate dimensions L x l mm	Overall dimensions L x l x H mm	Power / Mains supply	
PC3	150 x 100	270 x 220 x 65	500 W / 230 V - 50/60 Hz	
PC2	150 x 200	320 x 270 x 65	1 500 W / 230 V - 50/60 Hz	
PC300x150	150 x 300	420 x 270 x 65	1 500 W / 230 V - 50/60 Hz	Regulation PID 2 displays
PCM450	150 x 450	570 x 270 x 65	2 200 W / 230 V - 50/60 Hz	_ Maximum temperature
PC300x200	300 x 200	420 x 320 x 65	2 000 W / 230 V - 50/60 Hz	400°C
PC1	300 x 300	420 x 420 x 65	2 700 W / 230 V - 50/60 Hz	Rise time in temperature O à 400°C / 30'
PC300x350	300 x 350	470 x 420 x 65	3 000 W / 230 V - 50/60 Hz	- 044000,00
PCM500x400	500 x 400	620 x 520 x 65	3 200 W / 230 V - 50/60 Hz	

Custom made heating plates

Example of custom made heating plates. Contact us for your needs.



Plate with custom work surface

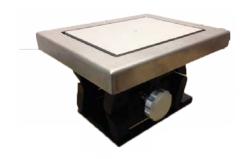


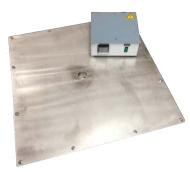
Plate on elevator



Large heating plate with protective cover



450° stainless steel heating plate with probe



Special plate for lost wax

INFRA-RED HEATING PLATES

Infrared preheating plates with integrated control unit

Custom made infra red heating plate on demand



Reference	Heating dimensions L x l mm	Number of heating compartment	Power / Mains supply	Regulation	Maximum temperature
PCIR2C	250 x 130	2	800 W / 230 V - 50/60 Hz		300°C
PCIR3C	250 x 195	3	1 200 W / 230 V - 50/60 Hz	- _ PID 1 display -	
PCIR4C	250 X 260	4	1 600 W / 230 V - 50/60 Hz		
PCIR5C	250 x 390	5	2 400 W / 230 V - 50/60 Hz		

Infrared preheating plates with separate control unit

Custom made infra red heating plate on demand



Reference	Heating dimensions L x l mm	Number of heating compartment	Power / Mains supply	Regulation	Maximum temperature	
PCIR2BS	250 x 130	2	800 W / 230 V - 50/60 Hz		400°C	
PCIR3BS	250 x 195	3	1 200 W / 230 V - 50/60 Hz	_ PID _ 2 displays _		
PCIR4BS	250 X 260	4	1 600 W / 230 V - 50/60 Hz			
PCIR5BS	250 x 390	5	2 400 W / 230 V - 50/60 Hz			

HEATING PLATES FOR LOST WAX CASTING

We manufacture heating plates dedicated to the lost wax. The principle is to provide a work surface that warms and maintains the wax at the desired temperature.

- Separate thermoregulation unit
- Thermoregulator with dual display
- · Wax resistant design
- · Possibility of bucket holders
- · Wax recovery spout
- $\boldsymbol{\cdot}$ The rise in temperature is fast
- The heating plate is all stainless steel, with 4 adjustable bakelite feet
- Available in version 2 or 3 bucket holders and rotating plate

Contact us for any request for a custom heating plate.







Heating plate for lost wax with separate thermoregulation unit **Ref. PTC 400**



Heating plate for lost wax with separate thermoregulation unit Ref. PCIRE_300 X 300

AXIAL AND RADIAL PREFORMING EQUIPMENTS

The complete OLAMEF range offers simple and reliable machines for manual or automatic component processing. Submit us your components and your requirements of bending, we will propose you the machine and its adapted tool. You will also find component counting machines, printed circuit depanelisator and other accessories.







Cambering machines for radial components

Cambering machines for axial components

County machine



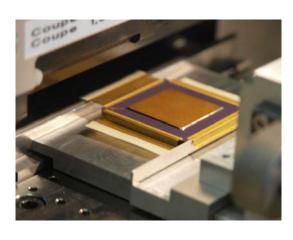
CAMBERING AND CUTTING MACHINE FOR HYBRID COMPONENTS

MCCH150 Machine

Component forming machine MCCH 150, suitable for flat packs, quad packs, BQFP,CQFP,FQFP, etc.

Simplicity in one, cambering and cutting any type of component whatever its legs are placed on the side or on front.

- · Precision whithin 3/100
- · Entirely autonomous machine
- · Display of parameters





Ref. MCCH150

THERMAL WIRE STRIPPING

Thermal stripping set

Thermal stripping removes insulations and cable sheaths made of resistant materials by applying heated electrodes at an instantaneous and very high temperature.

Set	Mains supply	Power	Power setting	Dimensions	Triggering of the heating	Control box	Plier	Electrodes	
Thermal stripping set - switch tray	270.1/ 50.1/	Potentiometer	Potentiometer	250 x 95 x 150 mm	On gripping of plier	BDTIA	Ref. PC3N		
Thermal stripping set - contact trigger plier	– 230 V – 50 Hz	80 W	0 to 10	250 x 95	When closing	BDT3A	Ref.	Ref. EEDT2	
Thermostripper-c	110 - 230 V / 50 - 60 Hz	90 W	1 to 100 LCD display	x 100 mm		the clamp	BDTS-C	PC3NC	

Our thermal stripping set consist of a power box, a plier and a pair of electrodes







Electrodes Ref. EEDT2







Control box BDT3A



Control box BDTS-C

Electrodes for stripping pliers PC3N - PC3NC

Electrodes	Description	Electrodes	Description
Ref. EEDT2	Universal electrodes supplied as standard, in flattened wire with notch for wire stripping AWG 8 to 28	Ref. ELECT-STD	Straight electrodes without notch for stripping
Ref. EDT2P	Flat wire electrodes without notch for stripping small gauges (> 25)	Ref. ELECT-A	Straight electrodes with notch AWG 26-28-30-32
Ref. TEDT2	Rigid flat plate electrodes for AWG 8 to 28 wires, allowing pulling back of insulation.	Ref. ELECT-B	Straight electrodes with notch AWG 18-20-22-24
Ref. EDT2PA	Flat wire electrodes for sheath and large cables up to AWG 4	Ref. ELECT-C	Straight electrodes with notch AWG 22-24-26-28

Extra pliers with their electrodes

For more specific needs, we offer a range of additional pliers.

Pliers	Description	Control box	Electrodes
Ref. PC4N	_ Special stripping pliers that allow sheath	BDTIA	Ref. EDT2PA
Ref. PC4NC	removal anywhere on the cable	BDT3A and BDTS-C	
Ref. PC3NP	Lightweight and handy for small wires	BDTIA	Ref. EPNP
Ref. PC3NEG			Ref. EG182022
- Authorities St.		BDTIA	29
Ref. PC3NEGC	Plier with notched electrodes for small gauges		
- Aumitus 3		BDT3A and BDTS-C	6
Ref. PC3/5			Ref. EEDT2
- I - I - I - I - I - I - I - I - I - I	Plier for twisted wires, its constant pressure device allows the electrodes	вопа	
Ref. PC3/5C	to match the circumference of the wire to be stripped.		6
		BDT3A and BDTS-C	A A
Ref. CCT			Ref. LAM1
	Thermal knife that allows longitudinal cutting or stripping of very large sections.	вотіа	

Example of a custom thermal stripping machine



Battery mobile thermal stripper For any specific need, consult us.

Thermal stripping accessories



Length control kit Ref. KIT_REG



Slug remover. Grip to remove the insulation **Ref. 45-3333**

RESISTANCE SOLDERING DEVICE

Resistance soldering device set

Joule soldering (also known as resistance soldering) is a tool that complements the usual soldering iron. Its advantage is to provide instant localized heat. The principle is to pass a powerful current at very low voltage through a contact resistance at the point of application. The current is on average 30 to 40 A and between 1 to 4.5 V. The electrodes applied to the piece create the point of resistance.

Our two sets consist of a power unit, a switch pedal and a plier with its pair of electrodes.







Joule soldering set **Ref. SI2R**

Resistance soldering device set	SIIR	SI2R
Mains supply	230 V / 50-60 Hz	230 V / 50-60 Hz
Power	80 W	250 W
Dimensions L x I x H mm	200 x 100 x 100	300 x 190 x 210
Piler	PCSR	PCSI2
Electrodes	ESI1R - Packaged by 5	ESI2R - Packaged by 3



MACHINES FOR THE TREATMENT OF WIRES. CABLES AND SHEATHS

Electric cable stripper AI-01

- Stripping of conductors from 0.05 to 6 mm2 (AWG 30 to 10), continuous adjustment without changing the tool
- Progressive adjustment of the stripping length and displacement of the insulation from 3 to 20 mm
- Pair of integrated spare blades (titanium coating)
- · Low weight and compact construction
- · All electric

Technical data:

Stripping range: From 3 to 20 mm Eligible sections: From 0.05 to 6 mm² Introductory length: 22 mm Mains supply: 230 V / 50 Hz / 70VA Cycle time: 0.5 s Dimensions: 190 x 295 x 190 mm Weight: 7.5 kg



Cutting machine SP101

SP101 has been designed to adapt to a multitude of products to treat. Its simplicity of use makes it a versatile machine that can be used in many industries.

A powerful cutting machine that adapts to a multitude of cable types thanks to a passage of 48 x 20 mm. SP101 cuts a wide variety of products such as unipolar cables from 0.1 to 16 mm², multipole up to 5x2.5 mm², flat cables, heat-shrinkable sheaths...

Technical data:

Programmable length: From 0.1 to 9999 cm Programmable quantity: From 1 to 9999 pieces Height of passage in the tensioner: 13 mm max Mains supply: 230 V Mono Pneumatic supply: 2 to 6 bars Dimensions: 470 x 390 x 275 mm Weight: 18.5 kg



Ref. SP101-STD

Cutting machine CUTFOX 10

The Cutfox 10 is a cutting machine for wires, cables and tubes.

- · Easy to use
- The diameter of the cable is automatically recognized
- · Light weight allows easy transport
- Improved measuring accuracy thanks to an independent measuring system
- Simple and fast control thanks to a clear graphic display
- Steel rolls for very hard materials
- Polyurethane coated rollers for sensitive materials

Technical data:

Cutting capacity: 0.08 – 10 mm²

Maximum outside diameter of the cable: 8 mm

Cable length: 2 mm – 1000 m

Supply speed: 0.04 – 0.5 m/s

Mains supply: 100 – 240 VAC / 50-60 Hz

Power: 150 VA

Dimensions: 301 x 194 x 228 mm

Weight: 10 kg



Ref. CUTFOX-10

ENAMEL WIRE STRIPPERS

Abisofix

Transformer

Electric stripping machine for varnished wires, the abisofix consists of a motor group and a stripping head. The stripping head is equipped with 3 hard metal blades. The blades are closed thanks to the rotation. The speed is regulated by transformer and the pressure force of the blades is adjusted to each material thickness.

- $\boldsymbol{\cdot}$ Very compact and handy device
- · Different types of abisofix available see the following description

Technical data of the transformer: Primary voltage: 230 V ou 110 V Secondary voltage: 16 - 42 V Input power: 35 VA Weight: 1100 g

Technical data of Abisofix:

Motor: 16 - 42 V Length: 180 mm Diameter: 55 mm Weight: 500 g



				-
Specificities		Abisofix	Stripping head	Diameter
Standard type: Stripping of enameled and braided wires. Mounted sleevings can be strip- ped as well. 66 mm stripping of enameled and 3mm removal.		Type 1 - Ref. 101001 Type 3 - Ref. 101003 Type 5 - Ref. 101004	Head 1 - Ref. 102201 Head 3 - Ref. 102203 Head 5 - Ref. 102204	Ø 0,2 - 0,8 mm Ø 0,6 - 2,0 mm Ø 1,2 - 4,0 mm
ML type: Stripping of ename- led and braided wires, removal of oxidation layers. The axial stripping length can be adjusted from 3 to 40 mm		Type 1ML - Ref. 101021 Type 3ML - Ref. 101023 Type 5ML - Ref. 101024	Head 1ML - Ref. 102221 Head 3ML - Ref. 102223 Head 5ML - Ref. 102224	Ø 0,2 - 0,8 mm Ø 0,6 - 2,0 mm Ø 1,2 - 4,0 mm
Special type: In special applications, for example with electronics, it may be necessary to strip very closely to a component (distance 0)		Type S - Ref. 101005 Type SHM - Ref. 101007	Head S - Ref. 102205 Head SHM - Ref. 102207	Ø 0.4 - 3,0 mm Ø 0.4 - 3,0 mm
FML type: Stripping of cables and wires with a larger wall thickness. Only available with strip length stop and blade limiting		Type 3FML - Ref. 101033 Type 5FML - Ref. 101035	Head 3FML - Ref. 102233 Head 5FML - Ref. 102235	Ø 0,6 - 4,0 mm Ø 2,0 - 5,0 mm
KMK type: Stripping and cleaning of wiring pins of varnish or solder metal. The pin diameter is slightly adjustable			Head 1KMK - Ref. 102251 Head 2KMK - Ref. 102252 Head 3KMK - Ref. 102253 Head 4KMK - Ref. 102254 Head 5KMK - Ref. 102255 Head 6KMK - Ref. 102256 Head 7KMK - Ref. 102257 Head 8KMK - Ref. 102258	Ø 0.5 mm Ø 0.6 mm Ø 0.7 mm Ø 0.8 mm Ø 0.9 mm Ø 1.0 mm Ø 1.1 mm Ø 1.2 mm
MKF type: Stripping of rectangular wire, wider materials can be stripped by staggered arrangement		Type MKF - Ref. 101007	Head MKF - Ref. 102206	Jusqu'à 18 mm
V type: Twisting of stranded wires in order to convert them to a solid wire for inserting into terminals, sockets		Type V - Ref. 101040		
VH type: For twisting of 2 or more wires by means of a wire loop	Ç	Type VH - Ref. 101041	Head VH - Ref. 102241	Ø 0,2 - 2,5 mm2
Motor	ANDOROGY 1 DEED 1 EED 1	Ref. 101050		
Table holder: this allows short cycles with batch production		Ref. 101080		

Ref. 101070

Finofix

Designed for wires from ϕ 0.04 to ϕ 0.3 mm. The distance between the brushes is adjustable with the knurled screw.

- · Easy to use
- · Small compact device
- The wire to be stripped simply passes from the front or the top between the rotating fiberglass cones and is pulled backwards
- $\boldsymbol{\cdot}$ Two levels of hardness available for brushes

Technical data:

 Φ wire: 0.04 – 0.3 mm Mains supply: 230 V / 50 Hz or 115 V / 60 Hz Power: 55 VA

Length: 150 mm Width: 230 mm Height: 170 mm Weight: 4 kg

Brushes: N°127 soft / N°640 hard Unlimited stripping length



Ref. 100220

Fuchs Star

Very handy device for stripping enamelled copper wires. The Fuchs Star is connected directly to the 230 V mains.

The three rotating cutting blades (carbide heads) are mounted on the head and are adjusted by speed, due to the centrifugal force.

The control knob allows precise adjustment of the desired speed for each wire size.

Technical data:

Mains supply: 230 V Power: 18 W Length: 170 mm Diameter: 50 mm Weight: 550 g

Stripping length max: 32 mm



Fuchs Star Type 02: Ø0.2 to 1.5 mm Ref. 110222 Fuchs Star Type 03: Ø0.3 to 4.0 mm Ref. 110223

Abisobrush

Brush machine, used to remove enamel from 0.15 to 3 mm (HQ 30) and 1.5 to 6.00 mm (HQ 35 P) diameter wires round cables, but also flats (1 to 6 mm with HQ 35 P).

Technical data:

HQ30 Ref. 120230Q

φ for round wires: 0.15 – 3.0 mm Weight: 1.9 kg Mains supply: 230 V / 50 Hz φ brushes: 30 mm Direction of rotation of the brushes: Opposite direction to avoid opposite tensions in the wire

HQ35P Ref. 120235Q

Ø for round and copper flat wires: 1.5 − 6.0 mm - 1 − 6 mm thickness
Weight: 2.2 kg
Mains supply: 230 V / 50 Hz
Ø brushes: 35 mm

Direction of rotation of the brushes: Same direction of rotation

-	
Ø0.40 – 1.00 mm	Ref. 130015
Ø0.60 – 1.50 mm	Ref. 130020
Ø0.80 – 2.00 mm	Ref. 130025
For HQ35P	
Ø1.50 – 2.50 mm	Ref. 135015
Ø2.00 – 3.00 mm	Ref. 135020
Ø2.50 – 4.00 mm	Ref. 135025
Ø3.00 – 6.00 mm	Ref. 135030



BTM2

BTM 2 is a fixed stripping device for flat enamelled copper and wire in the range of 0.2 to 6 mm can be stripped. Brush diameter according to the machine version: 40/30/22/20 mm.

Technical data:

Ø for round and flat copper wires: 0.15 − 6.0 mm Weight: 10 kg Power supply: 230 V / 50 Hz Brush diameter according to the machine version: 40/30/22

L x W x H mm: 460 x 170 x 230 Speed: 2650 min-1



Ref. 121501

ST40

Stationary stripping device for wires and flat enamelled copper. Stripping machine for 1.5 to 8 mm wires and flat wires up to 8 x 16 mm.
ST40.D (DC) 230 / 400 V 50 Hz
ST40.L (AC) 230 V 50 HZ
Weight: 11.5 kg
Brushes: 40 mm



Ref. 121340

Abfräsfix

Electric stripping machine for copper enamelled wires. Wire ϕ : 0.8-5.0 mm **Ref. 150220** or 5.0-8.0 mm **Ref. 151325** Stripping length: up to 25 mm with stop (without stop up to 35 mm, max ϕ 3 mm) Mains supply: 230 V, 50 Hz ou 115 V, 60 Hz

Power supply: 230 V, 50 Hz or 115 V, 60 Hz Rotation speed: 2650 rpm Width: 110 mm Depth: 230 mm Height: 140 mm Weight: 4.5 kg



Rotostar

Automatic stripping machine for heavy duty works

The Rotostar takes the principles of Abfräsfix by offering a more powerful version.



Ref. 151330

Automatic wire stripper

Pneumatic stripping machine for enamelled wires ϕ 0.5 - 4.5 mm.

- · Easy handling
- · Small compact device
- $\boldsymbol{\cdot}$ The speed is set directly on the device

Technical data: Maximum stripping width: 45 mm Length: 265 mm

Diameter: 40 mm Weight: 600 g



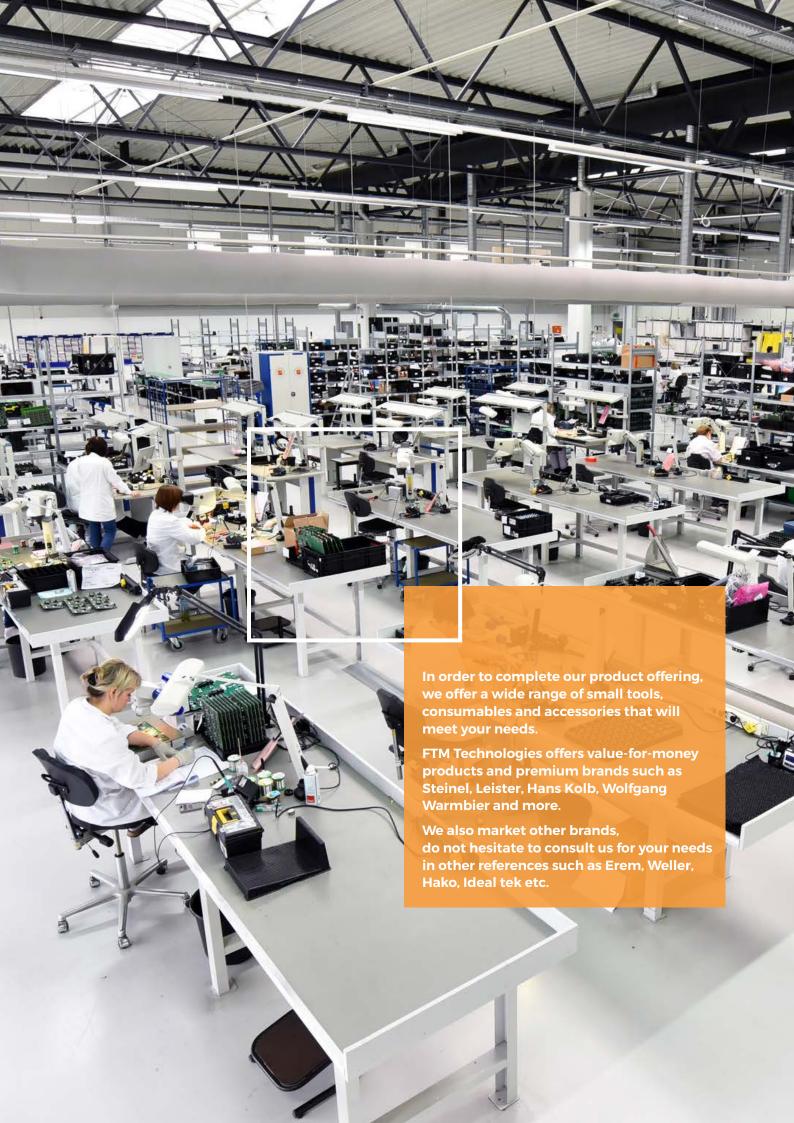
Rectangular wire stripper

Suitable for removing enamel from copper flats with a thickness from 2 mm to 12 mm max.

- Easy handling
- · Small compact device
- $\boldsymbol{\cdot}$ The speed is set directly on the device

Technical data: Max stripping width: 12 mm Length: 310 mm Diameter: 50 mm Weight: 1 230 g







HEAT BLOWERS

Heat blower STEINEL - Professionnals range

Electronic control thermal tool, 2200 W for HL1920E or 2300 W for HG2320E. Easy to use with the adjustment dial, allows to set the temperature between 80 and 630°C (for HL1920E) or between 80 and 680°C (for HG2320E) and guarantees precision work thanks to the LCD screen.





Heat blower LEISTER

TRIAC ST

Designed for use on sites and labs. Functional design: 2K two-component handle grip and optimum center of gravity ensure ergonomic working Quick clean air filters Automatic carbon stop (collector protection) and heating element protection.

Technical data:

Voltage: 230 V Power: 1600 W Temperature: $40 - 700^{\circ}$ C Dimension mm (L × ϕ): 338 × 90 Handle (ϕ): 56



TriacST without nozzle - 1600W

Ref. TRIAC_ST

Standard nozzle Ø5mm for Triac ST

Ref. 31A

HOTWIND SYSTEM

- Heat output and air volume steplessly adjustable with potentiometer
- Protection against heating element or device overheating
- · Manual air regulator, locking handle
- · Extremely quiet

Technical data:

Voltage: 230 V Power: 3700 W Temperature: 650°C Dimension L × W × H mm: 332 x 106 x 179 Weight: 2,2 kg (without 3 m cable)



Ref. 142.645

Our others heat blower on ftm-technologies.com

CERAMIC KNIVES

The O° cut prevents the ceramic blade from entering the material. The removal of material is regular, without risk of damaging the deburring workpiece.

Reference	Blade dimensions	Quantity
CC-003	6 X 26 mm	1
CC-006	6 x 26 mm	3
CC-004	15 x 40 mm	1
CC-008	15 x 40 mm	2



See our other models of deburring and ceramic scrapers on our website

SOLDER BATHS - ECONOMIC RANGE





Reference	Description	Power	Maximum temperature	Dimensions (mm)	Capacity	Weight
СТ21С	Soldering bath	200 W	From 200 to 480°C	50 (Ø)x 35 (P)	500 g	1000 g
POT21C	Soldering bath	130 W	From 270 to 530°C	36 (Ø) x 36 (P)	300 g	720 g
POT28C	Soldering bath	130 W	From 270 to 530°C	34 (Ø) x 32 (P)	300 g	720 g
РОТ103С	Tinning station with digital display	900 W	450°C	82 x 53 x 110	3.5 kg	8 kg

SOLDERING IRONS - ECONOMIC RANGE

	Voltage	Power	Тір
Soldering iron	230 V	100 W	8 x 100 mm
Tip	Conical tip	Ref. KD-100-B* 2 mm	Ref. KD-100-BC 4.5
	Beveled tip	Ref. KD-100-C45 11 mm	
	Screwdriver tip	Ref. KD-100-D 5,5 mm	



Other irons and economic stations on ftm-technologies.com

GAS IRON - IN A BOX

Supplied in a box containing the gas iron PRO 100 (tip PRO PS01), a knife tip (PRO PS09), a deflector (PRO S30), a hot air nozzle (PRO PS10), a screwdriver tip (PRO PS03), a sponge and a welding tube 1 mm Sn99. 3Cu0.7.

- · Reloadable lighter gas
- Metal clip cap incl. a lighter stone
- · Flow adjustment button on the handle
- Comfortable, non-slip grip
 Integrated iron support on the handle
- · Autonomy 120 min



Reference	Temperature	Power	Weight
PRO100K	From 250 to 500°C	From 30 to 100 W	142 g

DESOLDERING BRAIDS

Copper desoldering braids

Antistatic coil for lengths 1.6m and 3m

Reference	Width mm	Length m
ECU01	0.8	1.6
ECU02	1.5	1.6
ECU03	2.0	1.6
ECU04	2.5	1.6
ECU12	3.0	1.6
ECU13	0.8	3
ECU05	1.5	3

Reference	wiath mm	Length m
ECU06	2.0	3
ECU07	2.5	3
ECU14	0.8	30
ECU08	1.5	30
ECU09	2.0	30
ECU10	2.5	15
ECU11	3.0	15



Braid sold individually

Tinned desoldering braids

Antistatic coil for lengths 1.6m and 3m

Reference	Width mm	Length m
ECE07	1.5	1.6
ECE08	2.0	1.6
ECE10	2.5	1.6
ECE11	3.0	1.6
ECE01	1.5	3
ECE02	2.0	3

Reference	Width mm	Length m
ECE03	2.5	3
ECE04	1.5	30
ECE05	2.0	30
ECE06	2.5	15
ECE09	3.0	15

No clean desoldering braids

Antistatic coil for lengths 1.5m and 3m

Reference	Width mm	Length m
801C00	0.8	1.5
802C00	1.5	1.5
803C00	2.0	1.5
804C00	2.8	1.5
805C00	3.7	1.5
801C03	0.8	3
802C03	1.5	3
803C03	2.0	3

Braid	sold	individually	٠

Reference	Width mm	Length m
804C03	2.8	3
805C03	3.7	3
801C15	0.8	15
802C15	1.5	15
803C15	2.0	15
804C15	2.8	15
806C00	5.6	15

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ALLOYS

Lead alloys

- STANDARD SOLDERING

 Flux CMA (moderately activated) CT2

 Acidic index: 185 to 215 mg/g

 Chlorine level: 0.35 to 0.45

- · Melting temperature: 183°C



Reference	Tin %	Lead %	Ø mm	Weight g
ESO59	60	40	0.5	100
ESO38	60	40	0.5	250
ESO01	60	40	0.5	500
ESO69	60	40	0.7	500
ESO56	60	40	0.8	100
ESO13	60	40	0.8	250
ESO02	60	40	0.8	500
ESO03	60	40	1.0	40
ESO57	60	40	1.0	50
ESO18	60	40	1.0	100
ESO04	60	40	1.0	250
ESO05	60	40	1.0	500
ESO06	60	40	1.0	1000
ESO07	60	40	1.5	500
ESO09	60	40	2.0	500
ESO10	60	40	3.0	500

Coil sold individually

STANDARD SOLDERING

- Flux CA (activated) CR2
- Acidic index: 205 to 235 mg/g
 Chlorine level: 0.9 to 1.1

- Melting temperature: 183°C
 Exceptional wetting speed

Reference	Tin %	Lead %	Ø mm	Weight g
ESO33	60	40	0.5	500
ESO47	60	40	0.7	500
ESO34	60	40	0.8	500
ESO35	60	40	1.0	500
ESO44	60	40	1.5	500
ESO48	60	40	2.0	500
ESO19	60	40	2.0	1000
ESO16	60	40	3.0	3000

Coil sold individually

SOLDERING WITHOUT CLEANING

- Flux RT15 to 1.5%Acidic index: 371 to 401mg/gChlorine level: 0

- Melting temperature: 183°C
 J-STD-004 norm (ROL0 classification

Reference	Tin %	Lead %	Ø mm	Weight g
ESR200	60	40	0.3	100
ESR201	60	40	0.5	500
ESR202	60	40	0.7	500
ESR203	60	40	1.0	500
ESR204	60	40	1.5	500

Coil sold individually

SOLDERING WITHOUT CLEANING

- Flux C to 1% A0Acidic index: 235 to 265mg/gChlorine level: 0
- · Melting temperature: 183°C
- · J-STD-004 norm (ROL0 Classification)
- $\boldsymbol{\cdot}$ Retouching thread, low projection

Reference	Tin %	Lead %	Ø mm	Weight g
ESR100	60	40	0.3	100
ESR101	60	40	0.5	500
ESR102	60	40	0.7	500
ESR103	60	40	1.0	500
ESR104	60	40	1.5	500

Coil sold individually

SILVER SOLDER

- · Flux CA (activated) CR2
- · Acidic index: 205 to 235mg/g
- · Chlorine level: 0.9 à 1.1
- \cdot Melting temperature: 178 $^{\circ}\text{C}$
- $\boldsymbol{\cdot}$ Solder used on all silver bases

Reference	Tin %	Lead %	Silver %	Ø mm	Weight g
ESO63	62	36	2	0.3	100
ESO14	62	36	2	0.5	250
ESO54	62	36	2	0.8	250
ESO134	62	36	2	1.0	250

Coil sold individually

TRIMETAL SOLDERING

- Flux CA (activated) CR2Acidic index: 205 to 235mg/gChlorine level: 0.9 to 1.1

- Melting temperature: 183°C
 Improved mechanical strength of joints

Reference	Tin %	Lead %	Copper %	Ø mm	Weight g
ESO76	60	38	2	0.5	500
ES077	60	38	2	0.8	500
ESO78	60	38	2	1.0	500
ESO80	60	38	2	1.5	500
ESO81	60	38	2	2.0	500

Coil sold individually

LEAD BASE SOLDER

- · Flux CA (activated) CR2
- Acidic index: 205 to 235 mg/g
- · Chlorine level: 0.9 to 1.1
- · Melting temperature: 183°C

Reference	Tin %	Lead %	Ø mm	Weight g
ESO118	40	60	0.7	500
ESO119	40	60	1.0	500
ESO20	40	60	2.0	500
ESO25	40	60	3.0	3000

Coil sold individually

HIGH TEMPERATURE SOLDERING

- · Flux CA (activated) CR2

- Flux CA (activated) CR2
 Acidic index: 205 to 235 mg/g
 Chlorine level: 0.9 to 1.1
 Melting temperature: 296 to 301°C
 Increased soldering speed
- · Large area of spreading

Reference	Tin %	Lead %	Silver %	Ø mm	Weight g
ESO90	5	93.5	1.5	0.7	500
ESO92	5	93.5	1.5	1.0	500
ESO91	5	93.5	1.5	1.5	500

Coil sold individually

BARS - RODS - GRANULES

Reference	Tin %	Lead %	Description	Application
ESO66	63	37	Bar 28 x 10 x 380 mm	Wave machine
ESO96	60	40	Rods 15 x 8 x 380 mm	Soldering bath
ESO51	63	37	Bar 28 x 10 x 380 mm	Wave machine

Sold at Kg

SOLDERING CREAM

Reference	Tin %	Lead %	Silver %	Description	Class
ESO11	62	36	2	5cc syringe cream with manual push	5
ESC002	62	36	2	5cc syringe cream for dosing applicator	5
ESC005	62	36	2	10cc syringe cream for dosing applicator	5
ESC007	62	36	2	Cream in 250g jar	5

Lead free alloys

STANDARD SOLDERING WITHOUT LEAD

- · Flux RA (activated) 2.2% All
- · Acidic index: 110 to 150mg/g
- · Chlorine level: 1 to 1.2
- Melting temperature: 227°C
 J-STD-004 norm (ROM1 Classification)
 Soldering without active residues
- · No cleaning required

Reference	Tin %	Copper %	Ø mm	Weight g
ESP001	99.3	0.7	0.3	100
ESP002	99.3	0.7	0.5	50
ESP003	99.3	0.7	0.5	100
ESP004	99.3	0.7	0.5	250
ESP005	99.3	0.7	0.5	500
ESP006	99.3	0.7	0.7	50
ESP007	99.3	0.7	0.7	100
ESP008	99.3	0.7	0.7	250
ESP009	99.3	0.7	0.7	500
ESP011	99.3	0.7	1.0	50
ESP012	99.3	0.7	1.0	100
ESP013	99.3	0.7	1.0	250
ESP014	99.3	0.7	1.0	500
ESP015	99.3	0.7	1.0	1000
ESP016	99.3	0.7	1.5	100
ESP017	99.3	0.7	1.5	250
ESP018	99.3	0.7	1.5	500

ESP019	99.3	0.7	1.5	1000
ESP021	99.3	0.7	2.0	500
ESP022	99.3	0.7	2.0	1000
ESP023	99.3	0.7	2.0	3000
ESP025	99.3	0.7	3.0	3000

Coil sold individually

LEAD FREE TRIMETAL SOLDER

- · Acidic index: 110 to 150mg/g
- · Chlorine level: 1 to 1.2

- Melting temperature: 217°C
 J-STD-004 norm (ROMI Classification)
 Soldering without active residues
 No cleaning required

Reference	Tin %	Silver %	Copper %	Ø mm	Weight g
ESP150	96.5	3.0	0.5	0.3	100
ESP155	96.5	3.0	0.5	0.5	500
ESP159	96.5	3.0	0.5	0.7	500
ESP164	96.5	3.0	0.5	1.0	500
ESP168	96.5	3.0	0.5	1.5	500
ESP171	96.5	3.0	0.5	2.0	500

Coil sold individually

SOLDER WITHOUT CLEANING WITHOUT LEAD

- Flux RT151.5%Acidic index: 371 to 401mg/gChlorine level: 0
- \cdot Melting temperature: 217°C
- · J-STD-004 norm (ROL0 Classification)
- · No cleaning required

Reference	Tin %	Silver %	Copper %	Ø mm	Weight g
ESP250	96.5	3.0	0.5	0.3	100
ESP255	96.5	3.0	0.5	0.5	500
ESP259	96.5	3.0	0.5	0.7	500
ESP264	96.5	3.0	0.5	1.0	500

Coil sold individually

STANDARD LEAD-FREE SOLDER

- · Flux RA (activated) All
- · Acidic index: 110 to 150mg/g
- · Chlorine level: 1 to 1.2
- Melting temperature: 221°C
 J-STD-004 norm (ROM1 Classification)
- · No cleaning required

Reference	Tin %	Silver %	Ø mm	Weight g
ESP100	96.5	3.5	0.3	100
ESP105	96.5	3.5	0.5	500
ESP109	96.5	3.5	0.7	500
ESP114	96.5	3.5	1.0	500
ESP118	96.5	3.5	1.5	500

Coil sold individually

BARS - RODS - GRANULES

Reference	Tin %	Silver %	Copper %	Description	Application
ESP200	99.3	37	0.7	Rod 15 x 8 x 380 mm	Wave machine
ESP202	99.3	40	0.7	Granules	Tinning crucible
ESP203		37		Antioxidant pastille	
ESP204	96.5		0.5	Bar 28 x 10 x 380 mm	Wave machine
ESP206	99.3		0.7	Bar 28 x 10 x 380 mm	Wave machine
ESP207	96.5		0.5	Granules	Tinning crucible
ESP208	96.5			Granules	Tinning crucible

Sold at Kg, Pastille sold individually

SOLDERING CREAM

Reference	Tin %	Silver %	Copper %	Description	Class
ESP700	96.5	3	0.5	5cc syringe cream with manual push	5
ESP701	96.5	3	0.5	5cc syringe cream for dosing applicator	5
ESP702	96.5	3	0.5	10cc syringe cream for dosing applicator	5
ESP704	96.5	3	0.5	Cream in 250g jar	5

BRAZING ACCESSORIES

Flux

Reference	Description	Volume
FLUX KX200-10L	Solder flux rosin	10L
FLUX KX200-1L	Solder flux rosin	1L
FLUX KX200-250ml	Solder flux rosin	250ml
FLUX 45-10L	No clean flux, alcohol base	10L
FLUX 45-1L	No clean flux, alcohol base	1L
FLUX 45-250ml	No clean flux, alcohol base	250ml
FLUX KX200-10L	Solder flux rosin	10L
MPS101	Neutral peelable mask	250ml
MPS102	Peelable mask	250ml
FLUX PEN	Flux dispensing pen	10 ml



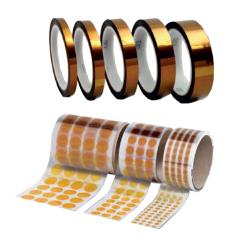
Masking tapes and adhesive dots

MASKING TAPES

Reference	Description	Length
KAP0	Masking tape length 3 mm	33m
КАРІ	Masking tape length 5 mm	33m
KAP2	Masking tape length 6 mm	33m
КАР3	Masking tape length 9 mm	33m
КАР4	Masking tape length 12 mm	33m
KAP5	Masking tape length 15 mm	33m
KAP6	Masking tape length 19 mm	33m



Reference	Description	Length
KAP101N	Adhesive dots Ø4 mm	2000
KAP102N	Adhesive dots Ø6 mm	2000
KAP103N	Adhesive dots Ø8 mm	2000
KAP104N	Adhesive dots Ø9 mm	2000
KAP105N	Adhesive dots Ø10 mm	2000
KAP106N	Adhesive dots Ø12 mm	2000
KAP107N	Adhesive dots Ø15 mm	2000
KAP108N	Adhesive dots Ø21 mm	2000



MASKING TAPES ESD

Reference	Description	Length
KAPOESD	Masking tape length 3mm	33m
KAPIESD	Masking tape length 5 mm	33m
KAP2ESD	Masking tape length 6 mm	33m
KAP3ESD	Masking tape length 9 mm	33m
KAP4ESD	Masking tape length 12 mm	33m
KAP5ESD	Masking tape length 15 mm	33m
KAP6ESD	Masking tape length 19 mm	33m
KAP7ESD	Masking tape length 25 mm	33m
KAP8ESD	Masking tape length 50 mm	33m

ADHESIVE DOTS ESD

Reference	Description	Length
KAP101ESD	Adhesive dots Ø4 mm	2000
KAP102ESD	Adhesive dots Ø6 mm	2000
KAP103ESD	Adhesive dots Ø8 mm	2000
KAP104ESD	Adhesive dots Ø9 mm	2000
KAP105ESD	Adhesive dots Ø10 mm	2000
KAP106ESD	Adhesive dots Ø12 mm	2000
KAP107ESD	Adhesive dots Ø15 mm	2000
KAP108ESD	Adhesive dots Ø20 mm	2000

MAGNIFYING LAMP

Magnifying lamp with cold light and without shadow

- Stable base or fastening with vice
- Orientation in 3 axes
- Visualization zone without distortion
- · Electronic ballast
- · Glass protection cover

Reference	Lens diameter	Diopters	LED
8611AL-3D&8D	88 mm	3 and 8	60 (3.5W)
9005LED	127 mm	5	60 (14 W)
9003LED	127 mm	5	60 (14 W)
9002LED	Rectangular lens: 189 x 157 mm	5	60 (14 W)
9006LED	150 mm	3 and 5	60 (14 W)
8606-L-5D	122 mm	5	90 (7 W)
8606-D-5D	122 mm	5	Circline: 22 W



DOSAGE

Syringes, needles and dosing accessories

Reference	Description
410L-2	10pcs Rubber piston 10cc set
410L-4	10pcs Manual plastic plunger 10cc set
410L-9	10pcs Plastic piston 10cc set
43122011	Set of 7 screwdrivers 1000V

SYRINGES AND ACCESSORIES FOR COMPRESSED AIR DOSING

Reference	Description
406LL-1	10pcs Clear syringe barrel 6cc set
435LL-1	10pcs Clear syringe barrel 35cc set
406L-9	10pcs Plastic piston 6cc set
435L-9	10pcs Plastic piston 35cc set
405LL-DCH	10pcs Automatic syringe 5cc complete set
410LL-DCH	10pcs Automatic syringe 10cc complete cet
430LL-DCH	10pcs Automatic syringe 30cc complete set

SYRINGES AND ACCESSORIES FOR MANUAL DOSING

Reference	Description
406LL-1	10pcs Clear syringe barrel 6cc set
406L-2	10pcs Rubber piston 6cc set
406L-4	10pcs Manual plastic plunger 6cc set
405LL-MCH	10pcs Manual syringe 5cc complete set
410LL-MCH	10pcs Manual syringe 10cc complete set
430LL-MCH	10pcs Manual syringe 30cc complete set

NEEDLES WITH STAINLESS STEEL CONDUIT

Reference	Description
SE14-1/2	50pcs Screw needle set 1.60 mm (Olive green)
SE15-1/2	50pcs Screw needle set 1.37 mm (Amber)
SE18-1/2	50pcs Screw needle set 0.84 mm (Green)
SE20-1/2	50pcs Screw needle set 0.61 mm (Pink)
SE21-1/2	50pcs Screw needle set 0.50 mm (Mauve)
SE22-1/2	50pcs Screw needle set 0.40 mm (Blue)
SE23-1/2	50pcs Screw needle set 0.33 mm (Orange)
SE25-1/2	50pcs Screw needle set 0.25 mm (Red)
SE27-1/2	50pcs Screw needle set 0.20 mm (Light)



CONICAL NEEDLES MADE OF POLYETHYLENE

Reference	Description
TT14-1-1/4	50pcs Conic needle set 1.60 mm (Olive green)
TT16-1-1/4	50pcs Conic needle set 1.19 mm (Grey)
TT18-1-1/4	50pcs Conic needle set 0.84 mm (Green)
TT20-1-1/4	50pcs Conic needle set 0.60 mm (Pink)
TT22-1-1/4	50pcs Conic needle set 0.41 mm (Blue)

FLEXIBLE NEEDLES MADE OF POLYETHYLENE

Reference	Description
TS18P-1-1/2	2pcs Long flexible needle set 0.84 mm (Pink)
TS20P-1-1/2	2pcs Long flexible needle set 0.61 mm (Yellow)

CONICAL NEEDLES MADE OF POLYETHYLENE

Reference	Description
TT14-1-1/4-CH	50pcs Conic needle set 1.55 mm (Olive green)
TT16-1-1/4-CH	50pcs Conic needle set 1.16mm (Grey)
TT18-1-1/4-CH	50pcs Conic needle set 0.84mm (Green)
TT20-1-1/4-CH	50pcs Conic needle set 0.60mm (Pink)
TT22-1-1/4-CH	50pcs Conic needle set 0.41mm (Blue)

NEEDLES WITH SHORT STAINLESS STEEL CONDUIT

Reference	Description
SE14-1/2-CH	50pcs Screw needle set 1.55mm (Olive green)
SE15-1/2-CH	50pcs Screw needle set 1.37mm (Amber)
SE18-1/2-CH	50pcs Screw needle set 0.84mm (Green)
SE20-1/2-CH	50pcs Screw needle set 0.60mm (Pink)
SE21-1/2-CH	50pcs Screw needle set 0.51mm (Mauve)
SE22-1/2-CH	50pcs Screw needle set 0.41mm (Blue)
SE23-1/2-CH	50pcs Screw needle set 0.36mm (Orange)
SE25-1/2-CH	50pcs Screw needle set 0.26mm (Red)
SE27-1/2-CH	50pcs Screw needle set 0.21mm (Light)

ANTISTATIC PRODUCTS

Workstation equipment



ESD Spray 1L Cleaner Ref. 2900.570



Gray ESD table carpet 610 x 900 mm with 2BP10 Ref. 1402-663S





Adjustable conductive bracelet Ref. UC-WS2A or analergic
Ref. BW107BL

- · Woven blue color with a pressure of 10 mm
- · Dimension 2 x 22 cm
- Resistivity < 50 Ω

Corstat and Cortronic range

Antistatic cardboard packaging. Storage and transport boxes for sensitive electronic components. To find on ftm-technologies.com



All of our ESD products on ftm-technologies.com



Height adjustment comfort chair: 505 - 630 mm. **Ref. RS-K1ESD/S**



ESD vinyl chair, castors for clean room. Height adjustment: 570 - 770 mm **Ref. RS-K2ESD/CR**

WORKSHOP FURNITURE, WORKBENCHES, DESKS



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CONTROLLED HYGROMETRY CABINETS

Dehumidifying cabinet

Dehumidifying cabinets Plug and Play. Designed to store components, PCBs, etc.

Designed to store components, PCBs, etc Maintain a hygrometry rate of \leq 5%.

- Rate of hygrometry: $\leq 5\%$ RH
- · Consumption: Avg. 55 Wh / Max. 295 Wh
- Optimal conditions of use: Temperature
- < 30°C and hygrometry < 60% • Mains supply: 230 V
- Measuring range: -20 to 65.9°C / 0.1
- to 99.9% RH
- Accuracy: ± 0.2 ° C / ± 2% RH
 Resolution: 0.1 ° C / 0.1% RH
- · Refresh the display measures every minute



Ref. ARMOIRE506L

Other references to find on the site:

ARMOIRE 245L RH ≤ 5% Dimension ext L x P x H: 600 x 672 x 610 mm

ARMOIRE 427L RH ≤ 5% Dimension ext L x P x H: 900 x 450 x 1045 mm

ARMOIRE 727L RH ≤ 5% Dimension ext L x P x H: 600 x 672 x 1820 mm

ARMOIRE 1475L RH ≤ 5% Dimension ext L x P x H: 1200 x 672 x 1820 mm



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