

Italian Soldering Technology



ELECTRONIC SOLDERING AND DESOLDERING TOOLS

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ewig.it

EWIGTM
soldering technology

BLACK

PROFESSIONAL PEN TYPE SOLDERING IRONS WITH PILOT LAMP



- ⇒ Professional pen type soldering irons, longlife tips equipped, for small and medium soldering operation.
- ⇒ Particularly suitable for electronics components assembly.
- ⇒ The compact and useful line make them handy and practical, the original handle shape allow them to be used for difficult access soldering.
- ⇒ Nylon - glass handle. Stainless steel monotubular armoured heating element

irons	longlife tips	temp. °C
BLACK 10 10W 12V~ (no pilot lamp) rca plug 2000 10 022	TMD302 (Ø 0.2) 2000 11 572	330
BLACK 18 18W 230V~ 2000 10 023	TMD402 (Ø 0.2) 2000 11 573	360
	TMD408 (Ø 0.8) 2000 11 575	
	TMD416 (Ø 1.6) 2000 11 576	
	TMD428 (2.8) 2000 11 577	
BLACK 25 25W 230V~ 2000 10 029	TMD502 (Ø 0.2) 2000 11 561	380
	TMD510 (Ø 1.0) 2000 11 562	
	TMD516 (Ø 1.6) 2000 11 563	
	TMD528 (2.8) 2000 11 604	
BLACK 50 50W 230V~ 2000 10 039	TMD610 (Ø 1.0) 2000 11 592	460
	TMD615 (Ø 1.5) 2000 11 593	
	TMD625 (2.5) 2000 11 594	
	TMD640 (4.0) 2000 11 595	
BLACK 60 60W 230V~ 2000 10 045	TMD610 (Ø 1.0) 2000 11 592	490
	TMD615 (Ø 1.5) 2000 11 593	
	TMD625 (2.5) 2000 11 594	
	TMD640 (4.0) 2000 11 595	



RAPID

TWO POWERS PROFESSIONAL PEN TYPE SOLDERING IRONS



- ⇒ Two powers professional pen type soldering irons, longlife tips equipped, pilot lamp.
- ⇒ Particularly suitable for electronics components assembly.
- ⇒ The compact and useful line make them handy and practical, the original handle shape allow them to be used for difficult access soldering.
- ⇒ Nylon- glass handle. Stainless steel monotubular armoured heating element.



irons	longlife tips	temp. °C
RAPID 16/32 16/32W 230V~ 2000 10 057	TMD402 (Ø 0.2) 2000 11 573	280/420
	TMD408 (Ø 0.8) 2000 11 575	
	TMD416 (Ø 1.6) 2000 11 576	
	TMD428 (2.8) 2000 11 577	
RAPID 20/40 20/40W 230V~ 2000 10 073	TMD502 (Ø 0.2) 2000 11 561	280/430
	TMD510 (Ø 1.0) 2000 11 562	
	TMD516 (Ø 1.6) 2000 11 563	
	TMD528 (2.8) 2000 11 604	
RAPID 30/60 30/60W 230V~ 2000 10 079	TMD610 (Ø 1.0) 2000 11 592	330/490
	TMD615 (Ø 1.5) 2000 11 593	
	TMD625 (2.5) 2000 11 594	
	TMD640 (4.0) 2000 11 595	



POWER

ELECTRONIC PWM-CONTROL PROFESSIONAL PEN TYPE SOLDERING IRON (0 ÷ 500°C)



- ⇒ *Electronic PWM - control pen type professional soldering irons.*
- ⇒ *Continuos power adjustment*
- ⇒ *For small and medium soldering operation, longlife tips equipped.*
- ⇒ *The compact and useful line make them handy and practical, the original handle shape allow them to be used for difficult access soldering.*
- ⇒ *Nylon- glass handle. Stainless steel monotubular armoured heating element.*



saldatori	punte longlife	temp. °C
POWER 30 30W 230V~ codice 2000 10 047	TMD402 (Ø 0.2) 2000 11 573	0÷420
	TMD408 (Ø 0.8) 2000 11 575	
	TMD416 (Ø 1.6) 2000 11 576	
	TMD428 (2.8) 2000 11 577	
POWER 50 50W 230V~ codice 2000 10 048	TMD502 (Ø 0.2) 2000 11 561	0÷470
	TMD510 (Ø 1.0) 2000 11 562	
	TMD516 (Ø 1.6) 2000 11 563	
	TMD528 (2.8) 2000 11 604	
POWER 70 70W 230V~ codice 2000 10 056	TMD610 (Ø 1.0) 2000 11 592	0÷500
	TMD615 (Ø 1.5) 2000 11 593	
	TMD625 (2.5) 2000 11 594	
	TMD640 (4.0) 2000 11 595	



AUTOMATIC TRM

GUN TYPE SOLDERING IRONS WITH SOLDER FEED AND ELECTRONIC PWM CONTROL



- ⇒ *Gun type soldering irons with manual solder feed*
- ⇒ *Electronic PWM - control (0÷550°c).*
- ⇒ *Considerable reduce manufacturing costs.*
- ⇒ *Improve speed of soldering operations*
- ⇒ *Operating by one hand only..*



irons	longlife tips (bent)	solder guide tubes	temp. °C
TRM 50 50W 230V~ codice 2000 10 020	TMC502 (Ø0.2) 2000 11 596	TB/50/10 Ø1.0 2000 11 053 TB/50/15 Ø1.5 2000 11 087	0÷ 550
	TMC510 (Ø1.0) 2000 11 597		
	TMC516 (1.6) 2000 11 598		
	TMC528 (2.8) 2000 11 599		
TRM 70 70W 230V~ codice 2000 10 021	TMC610 (Ø1.0) 2000 11 600	TB/70/10 Ø1.0 2000 11 054 TB/70/15 Ø1.5 2000 11 088	0÷ 550
	TMC615 (1.5) 2000 11 601		
	TMC625 (2.5) 2000 11 602		
	TMC640 (4.0) 2000 11 603		



STAR 200

LEAD-FREE SOLDERING STATION **ESD SAFE**



- ⇒ Fully ESD SAFE, Stainless Steel satinized finish box and Nylon-Glass handle with CNT (Carbon NanoTubes)
- ⇒ Stand-By tact switch and equipotential 4mm socket on front panel
- ⇒ Innovative design
- ⇒ Box with extremely compact dimensions L88xH104xD140mm (half of the volume in respect of STAR G8)
- ⇒ Low magnetic loss Toroidal Transformer
- ⇒ New tips fixing

Specifically designed for LeadFree

High-efficiency heater 80W

Thermocouple sensor placed in close contact with the tip

Higher power = Lower working temperature

Only one iron light and handy, fits for light and heavy soldering

Low thermal mass tips with reinforced long-life treatment

Iron holder with tips housing and cleaning tip sponge

Fast working temperature reaching (<10 sec.) and fast thermal recovering

Low energy consumptions, it delivers power only when needed

model	iron	longlife tips	temp. °C
STAR 200 85W 230V~ 2000 10 579	B/200 80W-24V~ 2000 11 318	200/02 (Ø 0.2) 2000 11 635 200/08 (Ø 0.8) 2000 11 636 200/16 (1.6) 2000 11 637 200/24 (2.4) 2000 11 638 200/33 (3.3) 2000 11 639	150÷480

STAR K3/K4

ELECTRONIC DIGITAL SOLDERING STATIONS (METAL HOUSING)



- ⊕ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⊕ *The 3 digit led display indicates both the set and the tip temperatures.*
- ⊕ *Equipotential earthed socket to avoid electrostatic charges*
- ⊕ *The soldering irons powering is very low voltage 24Vac.*
- ⊕ *Metal housing*



models	irons	longlife tips	temp. °C
STAR K3 25W 230V~ 2000 10 546	BS/KK3 20W-24V~ 2000 11 190	TMD302 (Ø 0.2) 2000 11 572	150÷480
STAR K4 60W 230V~ 2000 10 531	BS/KK4 55W-24V~ 2000 11 191	TMD402 (Ø 0.2) 2000 11 573 TMD408 (Ø 0.8) 2000 11 575 TMD416 (Ø 1.6) 2000 11 576 TMD428 (2.8) 2000 11 577	150÷480



STAR KK3/KK4

ELECTRONIC DIGITAL SOLDERING STATIONS (ANTISTATIC PLASTIC HOUSING)



- ⊕ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⊕ *The 3 digit led display indicates both the set and the tip temperatures.*
- ⊕ *Equipotential earthed socket to avoid electrostatic charges*
- ⊕ *The soldering irons powering is very low voltage 24Vac*
- ⊕ *Toroidal winding transformer (only KK4)*
- ⊕ *Antistatic plastic housing*



models	irons	longlife tips	temp. °C
STAR KK3 25W 230V~ 2000 10 549	BS/KK3 20W 24V~ 2000 11 190	TMD302 (Ø 0.2) 2000 11 572	150÷480
STAR KK4 60W 230V~ 2000 10 550	BS/KK4 55W 24V~ 2000 11 191	TMD402 (Ø 0.2) 2000 11 573 TMD408 (Ø 0.8) 2000 11 575 TMD416 (Ø 1.6) 2000 11 576 TMD428 (2.8) 2000 11 577	150÷480



STAR K5/K6

ELECTRONIC DIGITAL SOLDERING STATIONS (METAL HOUSING)



- ⇒ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⇒ *The 3 digit led display indicates both the set and the tip temperatures.*
- ⇒ *Equipotential earthed socket to avoid electrostatic charges*
- ⇒ *The soldering irons powering is very low voltage 24Vac.*
- ⇒ *Metal housing*



models	irons	longlife tips	temp. °C
STAR K5 85W 230V~ 2000 10 547	BS/K5 80W 24V~ 2000 11 188	TMD502 (Ø 0.2) 2000 11 561	150 ÷ 480
		TMD510 (Ø 1.0) 2000 11 562	
		TMD516 (Ø 1.6) 2000 11 563	
		TMD528 (2.8) 2000 11 604	
STAR K6 85W 230V~ 2000 10 548	BS/K6 80W 24V~ 2000 11 189	TMD610 (Ø 1.0) 2000 11 592	150 ÷ 480
		TMD615 (Ø 1.5) 2000 11 593	
		TMD625 (2.5) 2000 11 594	
		TMD640 (4.0) 2000 11 595	
		TMD680 (8.0) 2000 11 574	



STAR K100

HEAVY DUTY SOLDERING STATION



- ⇒ *Designed for heavy duty soldering operations, large masses, RF applications, high dissipation substrates soldering (aluminium, copper, alumina)*
- ⇒ *High power heater and longlife tips with enhanced thermal mass*
- ⇒ *Perfect solution for Lead-Free applications*
- ⇒ *Well balanced and light handle reducing user fatigue*
- ⇒ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⇒ *The 3 digit led display indicates both the set and the tip temperatures.*
- ⇒ *Equipotential earthed socket to avoid electrostatic charges*
- ⇒ *The soldering irons powering is very low voltage 24Vac.*
- ⇒ *High power Toroidal winding transformer*
- ⇒ *Antistatic Metal housing*



model	iron	longlife tips	temp. °C
STAR K100 105W 230V~ 2000 10 556	BS/K100 100W 24V~ 2000 11 256	TMD610 (Ø 1.0) 2000 11 592	150 ÷ 480
		TMD615 (Ø 1.5) 2000 11 593	
		TMD625 (2.5) 2000 11 594	
		TMD640 (4.0) 2000 11 595	
		TMD680 (8.0) 2000 11 574	



STAR TRM

GUN TYPE IRON SOLDERING STATION WITH MANUAL SOLDER FEED

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- ⇒ Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.
- ⇒ The 3 digit led display indicates both the set and the tip temperatures.
- ⇒ Gun type iron with manual solder feed.
- ⇒ The soldering irons powering is very low voltage 24Vac.
- ⇒ Equipotential earthed socket to avoid electrostatic charges
- ⇒ Metal housing

models	irons	longlife tips	solder guide tubes	temp. °C
STAR TRM5 85W 230V~ 2000 10 544	BS/TRM5 80W 24V~ 2000 11 181	TMD502 (Ø 0.2) 2000 11 561 TMD510 (Ø 1.0) 2000 11 562 TMD516 (Ø 1.6) 2000 11 563 TMD528 (2.8) 2000 11 604	TB/50/10 Ø1.0 2000 11 053 TB/50/15 Ø1.5 2000 11 087	150 ÷ 480
STAR TRM7 85W 230V~ 2000 10 540	BS/TRM7 80W 24V~ 2000 11 006	TMD610 (Ø 1.0) 2000 11 592 TMD615 (Ø 1.5) 2000 11 593 TMD625 (2.5) 2000 11 594 TMD640 (4.0) 2000 11 595	TB/70/10 Ø1.0 2000 11 054 TB/70/15 Ø1.5 2000 11 088	150 ÷ 480

SDC LF

MULTIFUNCTION DIGITAL ELECTRONIC STATION FOR PCB RE-WORKING THT AND SMT



- ⇒ The SDC station can drive 4 tools independently at the same time:
- ⇒ Micro-iron
- ⇒ Through-hole desoldering iron
- ⇒ Hot-air blowpipe
- ⇒ Vacuum positioning pen
- ⇒ It installs and removes quickly and safely both through-hole and smt components.
- ⇒ All the tools can be used at the same time and controlled individually.
- ⇒ The 3-digit displays can indicate both the set temperature and the actual temperature reached by the tool.
- ⇒ Designed to organise and integrate the workplace occupying a very limited space.
- ⇒ Tools and grounded equipotential plugs to eliminate electrostatic charges.
- ⇒ Temperature calibration on all thermostats from front panel.

COMPONENTS

- 3 Toroidal winding transformers, supply power to the tools (low voltage: 24v~)
- 3 Digital electronic cards controlled by microprocessor with zero-crossing switch, constantly monitor and regulate the tool temperature.
- 1 High lift vacuum pump 600mm/hg. With piston engine. (Desoldering iron).
- 1 Pressing pump with flow rate 15 litres/min., with piston engine. (Blowpipe).
- 1 Vacuum micro-pump with membrane engine. (Positioning pen).
- 1 Micro-iron BS/KK3 20w 24v, micro-heating element with thermocouple sensor and long-life tip.
- 1 Desoldering iron BTH/Z4 80w 24v, stainless steel armoured heating element with thermocouple sensor and high-capacity tank.
- 1 hot-air blowpipe B/SMD 80w 24v with thermocouple sensor for air temperature measurement.
- 1 Vacuum positioning pen VAC PEN with suction cups. It is used to lift and position all the surface assembled components.

SDC LF 450W 230V~ 2000 10 580

iron	desoldering iron	hot air blowpipe	vacuum pen	suction cups
B/G8 80W 24V~ 2000 11 283	BTH/LF 100W 24V~ 2000 11 154	BSMD/LF 120W 24V~ 2000 11 257	VAC PEN 2000 11 168	V4 (Ø 4.0) 5pcs 200011093 V6 (Ø 6.0) 5pcs 200011067 
longlife tips	desoldering nozzles	inox nozzles	needles 45°	temp. °C
G8/02 (Ø 0.2) 2000 11 626 G8/08 (Ø 0.8) 2000 11 627 G8/16 (1.6) 2000 11 628 G8/24 (2.4) 2000 11 629 G8/33 (3.3) 2000 11 630	UZ4/07 (Ø 0,7mm) 2000 11 580 UZ4/10 (Ø 1,0mm) 2000 11 567 UZ4/13 (Ø 1,3mm) 2000 11 568 UZ4/18 (Ø 1,8mm) 2000 11 569	SM2/LF (hole Ø 2,0mm) 2000 11 258	TS15/45 amber (Øe 1.8) 2000 11 290 TS18/45 green (Øe 1.3) 2000 11 291 TS20/45 pink (Øe 0.9) 2000 11 292 	150 ÷ 480

STAR THEMA LF

SOLDERING AND DESOLDERING SELF-CONTAINED SYSTEM

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- ⇒ Double function system which allows soldering and desoldering efficiently and safely
- ⇒ All the tools can be used at the same time and controlled individually.
- ⇒ 2 digital electronic cards controlled by microprocessor with zero-crossing switch, constantly monitor and regulate the tool temperature.
- ⇒ The 3-digit displays can indicate both the set temperature and the actual temperature reached by the tool.
- ⇒ High lift vacuum pump 600mm/hg. with piston engine, controlled by the push-button on the handle
- ⇒ Tools and grounded equipotential plugs to eliminate electrostatic charges.
- ⇒ Tools powering is very low voltage 24Vac

models	irons	longlife tips	desold iron	nozzles	temp. °C
STAR THEMA/LF 265W 230V~ 2000 10 563	B/SKK4 55W 24V~ 2000 11 191	TMD402 (Ø 0.2) 2000 11 573 TMD408 (Ø 0.8) 2000 11 575 TMD416 (Ø 1.6) 2000 11 576 TMD428 (2.8) 2000 11 577	BTH/LF 100W 24V~ 2000 11 201	UZ4/07 (Ø 0,7) 2000 11 580 UZ4/10 (Ø 1,0) 2000 11 567 UZ4/13 (Ø 1,3) 2000 11 568 UZ4/18 (Ø 1,8) 2000 11 569	150÷480

AVN 200

SEMI-AUTOMATIC SOLDERING STATION WITH ELECTRIC SOLDER FEED



- ⇒ *Operating by one hand only or free hands (when operating with BAS/AVN)*
- ⇒ *LeadFree alloys compatible*
- ⇒ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⇒ *Particularly suitable for mass soldering where isn't possible to use wave or static bath soldering*
- ⇒ *The 3 digit led display can show both the set and the tip temperatures.*
- ⇒ *Solder advance in the desired quantity, (from 1 to 10mm) without any waste and can be performed whether in timer mode (TIMER) or in continuous mode (MAN)*
- ⇒ *Solder advance activated by push button on the handle or foot pedal*
- ⇒ *Equipotential earthed socket to avoid electrostatic charges*

models	irons	stands	longlife tips	solder guide tube	solder	temp. °C
AVN 205 100W 230V~ 2000 10 581	B/AV 205 80W 24V~ 2000 11 327	SPP/TB 2000 11 177	TMC502 (Ø0.2) 2000 11 596 TMC510 (Ø1.0) 2000 11 597 TMC516 (1.6) 2000 11 598 TMC528 (2.8) 2000 11 599	TB/200/10 2000 11 325 TB/200/15 2000 11 326	Ø 1 mm. Ø 1.5 mm.	150÷480
AVN 206 105W 230V~ 2000 10 582	B/AV 206 85W 24V~ 2000 11 328	SPP/TB 2000 11 177	TMC610 (Ø1.0) 2000 11 600 TMC615 (1.5) 2000 11 601 TMC625 (2.5) 2000 11 602 TMC640 (4.0) 2000 11 603	TB/200/10 2000 11 325 TB/200/15 2000 11 326	Ø 1 mm. Ø 1.5 mm.	150÷480

AVN TRM7

SEMI-AUTOMATIC SOLDERING STATION WITH ELECTRIC SOLDER FEED (GUN TYPE IRON)



- ⇒ Operating by one hand only or free hands (using an appropriate stand)
- ⇒ LeadFree alloys compatible
- ⇒ Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.
- ⇒ Particularly suitable for mass soldering where isn't possible to use wave or static bath soldering
- ⇒ Gun type iron 24vac
- ⇒ Bent longlife tips, to make soldering easier
- ⇒ The 3 digit led display can show both the set and the tip temperatures.
- ⇒ Solder advance in the desired quantity, (from 1 to 10mm) without any waste and can be performed whether in timer mode (TIMER) or in continuous mode (MAN)
- ⇒ Solder advance activated by push button on the handle or foot pedal
- ⇒ Solder guide tube adjustable in respect the tip
- ⇒ Equipotential earthed socket to avoid electrostatic charges



model	iron	Iron stand	longlife tips	solder guide tube	solder	temp. °C
AVN TRM7 110W 230V~ 2000 10 560	B/AV/TRM7 80W 24V~ 2000 11 262	SPP/TB 2000 11 177	TMC610 (Ø1.0) 2000 11 600 TMC615 (1.5) 2000 11 601 TMC625 (2.5) 2000 11 602 TMC640 (4.0) 2000 11 603	TB/70/10 2000 11 054 TB/70/15 2000 11 088	Ø 1 mm. Ø1.5 mm.	150±480

BAS AVN 2000 11 003

ADJUSTABLE STAND FOR AVN 200



- ⇒ Designed to be used with AVN 200 stations
- ⇒ Free hands operations using the station foot-pedal switch.
- ⇒ The soldering iron is fixed to a steady stand, fully adjustable, to automate soldering operations
- ⇒ The component to be soldered has to be bring near to the tip
- ⇒ Especially suitable for mass production soldering and where is not possible to adopt other technologies like static solder bath or wave solder.

SPP TB 2000 11 177

UNIVERSAL STAND FOR SOLDERING AND DESOLDERING IRONS

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- ⇒ Universal safety stand except for:
- ⇒ **BLACK18-RAPID16/32-STAR K4/KK4-STARK3/KK3 - STAR AT- CNT**
- ⇒ High thickness steel plate base, high stability, epoxy powder painted.
- ⇒ Equipped with cleaning-tip sponge

WARNING: keep the sponge always dampened with distilled water



SPP 29 2000 11 178

SOLDERING IRONS STAND

EWIG
soldering technology

- ⇒ Safety stand for soldering irons:
- ⇒ **BLACK18-RAPID16/32-STAR K4-STAR KK4**
- ⇒ High thickness steel plate base, high stability, epoxy powder painted.
- ⇒ Equipped with cleaning-tip sponge

WARNING: keep the sponge always dampened with distilled water



SVG 1 2000 11 071

SOLDER DISPENSER

EWIG
soldering technology

- ⇒ Solder reel unwinds without any difficulties thanks to the floating nozzle, considerably improving soldering speed
- ⇒ Accept up to 2,5 Kg solder reels

N.B. solder reel not included



EWIG 323 2000 10 401

DESOLDERING PUMP (antistatic)



- Desoldering pump for desoldering, with soldering iron aid, electronic components sensitive to electrostatic charges.
- Consisting of two parts, a chromium plated brass tube and an antistatic plastic (ABS) part.
- PTFE antistatic nozzle, replaceable.



VAC 3000

ELECTRIC DESOLDERING IRON



- Portable electric desoldering iron for desoldering electronic components from printed circuits.
- One hand operation without soldering iron aid.
- Bipolar rocker switch with pilot lamp.



model	nozzles	temp. °C
VAC 3000 40W 230V~ 2000 10 006	UZ4/07 (Ø 0.7) 2000 11 580 UZ4/10 (Ø 1.0) 2000 11 567 UZ4/13 (Ø 1.3) 2000 11 568 UZ4/18 (Ø 1.8) 2000 11 569	400

DSD LF

LOW COST DESOLDERING STATION FOR MULTILAYER PCB



- *Self-contained desoldering station, PWM - controlled (0÷500 °C) suitable for heavy desoldering operations.*
- *High thermal mass, increased pirex tank, up to 1,8mm nozzle hole*
- *The vacuum pump, actuated by the push-button on the handle, cause a prompt vacuum.*
- *Grounded equipotential plug to eliminate electrostatic charges.*



model	desoldering iron	nozzles	temp. °C
DSD LF 170W 230V~ 2000 10 588	B/DSD LF 80W 230V~ 2000 11 261	UZ4/07 (Ø 0.7 mm) 2000 11 580 UZ4/10 (Ø 1.0 mm) 2000 11 567 UZ4/13 (Ø 1.3 mm) 2000 11 568 UZ4/18 (Ø 1.8 mm) 2000 11 569	0 ÷ 500

THEMA LF

DESOLDERING DIGITAL STATION FOR MULTILAYER PCB



- *Self-contained desoldering station, microprocessor thermostat control, zero-crossing switching and thermocouple K type sensor.*
- *Designed for heavy desoldering operations.*
- *High thermal mass, increased pirex tank, up to 1,8mm nozzle hole*
- *The high lift vacuum pump 600mm/hg. with piston engine, controlled by the push-button on the handle, causes a prompt vacuum*
- *The 3-digit displays can indicate both the set temperature and the actual temperature reached by the tool.*
- *Tool and equipotential plugs grounded, to eliminate electrostatic charges*
- *Tool powering is very low voltage 24Vac.*



model	desoldering iron	nozzles	temp. °C
THEMA LF 190W 230V~ 2000 10 554	BTH/LF 100W 24V~ 2000 11 201	UZ4/07 (Ø 0.7) 2000 11 580 UZ4/10 (Ø 1.0) 2000 11 567 UZ4/13 (Ø 1.3) 2000 11 568 UZ4/18 (Ø 1.8) 2000 11 569	150÷480

SMD 313

HOT AIR DIGITAL SOLDERING AND DESOLDERING STATION WITH VACUUM PEN



- ⇒ Hot air soldering and desoldering station, microprocessor thermostat controlled, zero-crossing switching, and thermocouple K type sensor.
- ⇒ The 3 digit led display indicates both the set and the real air temperatures.
- ⇒ Hot air flow is controlled by a micro-regulator and driven by a lever switch on the front panel and/or active stand.
- ⇒ The high power blowpipe 90W ensure perfect soldering and desoldering without contact
- ⇒ New 6mm integrated nozzle allows reworking of larger integrated circuits
- ⇒ Replaceable nozzles
- ⇒ Automatic cooling function switching-off hot air
- ⇒ Continuous cooling function
- ⇒ Vac placing system enclosed
- ⇒ Low power hi/efficiency silent pump



model	hot air blowpipe	nozzles	temp. °C
SMD 313 120W 230V~ 2000 10 570	B/SMD/313 90W 24V~ 2000 11 294	SM313/15 (hole 1mm) 2000 11 648 SM313/30 (hole 4mm) 2000 11 649 SM313/61 (6x1mm) 2000 11 650	150÷480
vac pen	needles 45°	vacuum cups	
VAC PEN 2000 11 168	TS15/45 amber (Øe 1.8) 2000 11 290 TS18/45 green (Øe 1.3) 2000 11 291 TS20/45 pink (Øe 0.9) 2000 11 292	V4 (Ø 4.0) 5pcs 200011093 V6 (Ø 6.0) 5pcs 200011067	

VP15/I

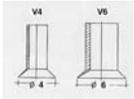
ELECTRIC VACUUM PEN



- ⇒ Allows to handle precisely, quickly and softly, smd components
- ⇒ Avoids damages on little components
- ⇒ Silent vacuum pump
- ⇒ Extremely reliable, can work continuously without performances reduction
- ⇒ Constant and uniform vacuum flow
- ⇒ Main rocker switch with lamp
- ⇒ Fingertip vacuum control
- ⇒ Immediate component release
- ⇒ 45° bent needles kit and vacuum cups kit per for heavier components



STANDARD KIT: vacuum pump - vac pen - ts15,ts18,ts20 - v4,v6

model	pen	needles 45°	vacuum cups
VP 15/I 5W 220/240V~ 2000 10 094	VAC PEN 2000 11 168	TS15/45 ambra (Øe 1.8) 2000 11 290 TS18/45 verde (Øe 1.3) 2000 11 291 TS20/45 rosa (Øe 0.9) 2000 11 292	V4 (Ø 4.0) 5pcs 200011093 V6 (Ø 6.0) 5pcs 200011067
			

CNT

MANUAL HOT AIR RE-WORK STATION FOR SMT TECHNOLOGY



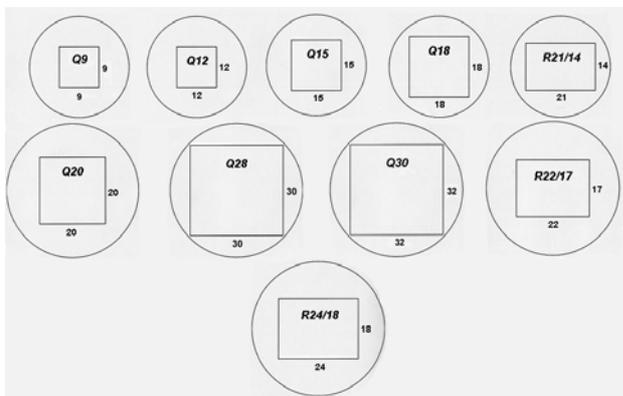
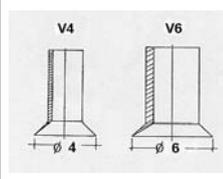
- Automatic component lifting , by self-contained vacuum system with suction cups.
- Two independent pumps produce air flow and vacuum.
- Useful for shrinking thermoretractable hose, facilitating drying processes (varnishes, solvents etc.), carrying out thermic shock test, activating and softening glues.
- With CNT station can be carried out re-work processes on circuits in SMT technology, where is impossible or hazardous to operate with standard tools, guaranteeing to obtain good results avoiding thermal and mechanical stresses on components and PCB tracks.
- Soldering and desoldering are carried out quickly without mechanical contact, thanks to the hot air flow.
- The CNT station has a microprocessor thermostat, termocouple K sensor and zero-crossing switch.



- The 3 digit led display can indicate both the set and the hot air temperatures (150°-480°C).
- The blowing pump has a big delivery capacity 50lt/min¹, extremely silent, produce a regular air flow, controlled by the flow regulator AIR FLOW and activated by the AIR PUMP lever switch. A footswitch start the vacuum .
- The special Q nozzles, equipped with suction cups, direct in precise way the air flow on component leads without damaging the adjacent devices. The MN nozzles generates a thin air flow which allows desoldering also of the smallest components. All the nozzles are easily replaceable in few seconds.
- On demand we can manufacture whichever type of nozzle for special applications.

STANDARD EQUIPMENT: MN Nozzles: MN3-MN5 Q Nozzles: Q12-Q15 Vacuum cups: 5pcs V4, 5pcs V6

station	blowpipe	MN nozzles	Q nozzles	suction cups	temp. °C
CNT 760W 230V~ 2000 10 508	B/CNT 650W 230V~ 2000 11 156	MN3 Ø3 2000 11 581 MN5 Ø5 2000 11 582	Q9 (9X9) 2000 11 524 Q12 (12x12) 2000 11 585 Q15 (15x15) 2000 11 589 Q18 (18x18) 2000 11 586 Q20 (20x20) 2000 11 587 Q28 (30X30) 2000 11 588 Q30 (32X32) 2000 11 525 R 22/17 (21x17) 2000 11 590 R 21/14 (21x14) 2000 11 584 R 24/18 (24x18) 2000 11 591	V4 Ø4mm (5pcs) 200011093 V6 Ø6mm (5pcs) 2000 11 067	150=480



STAR PST IR

ELECTRONIC DARK IR PRE-HEATING STATION FOR SMT AND BGA

EWIG™
soldering technology

- ⇒ *Microprocessor thermostat controlled, zero-crossing switching, and thermocouple K type sensor*
- ⇒ *The 3 digit led display can indicates the set, the lamp temperature and the real re-working pcb temperature (through external thermocouple).*
- ⇒ *External thermocouple type K socket*
- ⇒ *The dark IR lamp with controlled emission (from 2 to 10μM) guarantees a slow uniform heating (lapse rate 2,3°C per sec.) suitable also for more sensitive components.*
- ⇒ *Heating area 130x130mm.*
- ⇒ *Maintainance free.*
- ⇒ *Pcb holding frame*



model	Ir lamp	power station	temp. °C
STAR PST IR 405W 230V~ 2000 10 505	PST IR 400W 230V~ 2000 11 152	STAR 15 5W 230V~ 2000 11 153	51±351

TL PCB 2000 11 007

ADJUSTABLE FIXING FRAME FOR PCB RE-WORKING

EWIG™
soldering technology



- ⇒ *Adjustable fixing frame for PCB pre-heating and/or re-flow operations, designed to be coupled with the pre-heating station STAR PST.*
- ⇒ *It allows fixing, without the needs of any other tool, PCB'S to Eurocard dimensions (160x233.3mm).*
- ⇒ *Once fixed on the frame, the PCB can be positioned at will along the slide guides.*
- ⇒ *Overall dimensions: 575x330x100mm. LxWxH*

Composed of:

- No.1 Frame
- No.4 Little columns
- No.4 Self-adhesives bump-on
- No.4 Allen screws M5x20
- No.1 Allen wrench 4mm

- *It links together a hot air system, and a dark IR radiator for the PCB pre-heating and xyz axis table*
- *Quick and micrometric PCB position adjustment, and perfect orthogonality.*
- *Temperatures management through microprocessor*
- *It allows executing re-work operations on BGA and SMT circuits, guaranteeing repeatability of soldering and desoldering processes safely*
- *Automatic components lift-off when re-flow is achieved*



The System consist of:

CNT 200010508

Hot air electronic digital station

STAR/PST IR 200010505

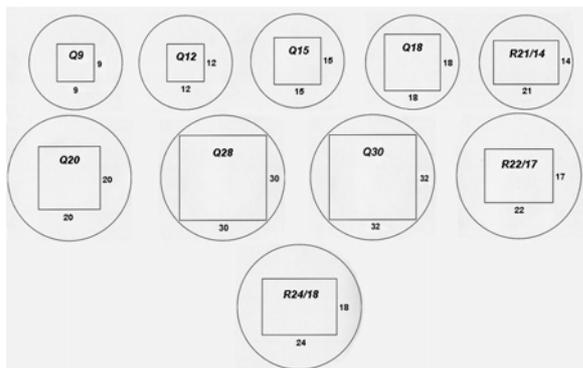
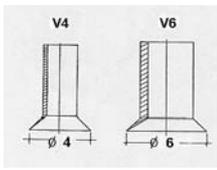
Electronic digital station for pre-heating and/or reflowing with dark IR

BAS MGN 200011200

Integrated holder and adjustable fixing frame for PCB with xyz axis adjustment

STANDARD EQUIPMENT: MN nozzles: MN3-MN5 Q nozzles:Q12-Q15 Suction cups:5pcs V4, 5pcs V6

station	blowpipe	MN nozzles	Q nozzles	suction cups	temp. °C
MGN 1160W 230V~ 2000 10 552	B/CNT 650W 230V~ 2000 11 156	MN3 Ø3 2000 11 581 MN5 Ø5 2000 11 582	Q9 (9X9) 2000 11 524 Q12 (12x12) 2000 11 585 Q15 (15x15) 2000 11 589 Q18 (18x18) 2000 11 586 Q20 (20x20) 2000 11 587 Q28 (30X30) 2000 11 588 Q30 (32X32) 2000 11 525 R 22/17 (21x17) 2000 11 590 R 21/14 (21x14) 2000 11 584 R 24/18 (24x18) 2000 11 591	V4 Ø4mm (5pcs) 200011093 V6 Ø6mm (5pcs) 2000 11 067	150-480



DISPENSER 2000 10 527

PASTE AND LIQUIDS DISPENSING STATION*

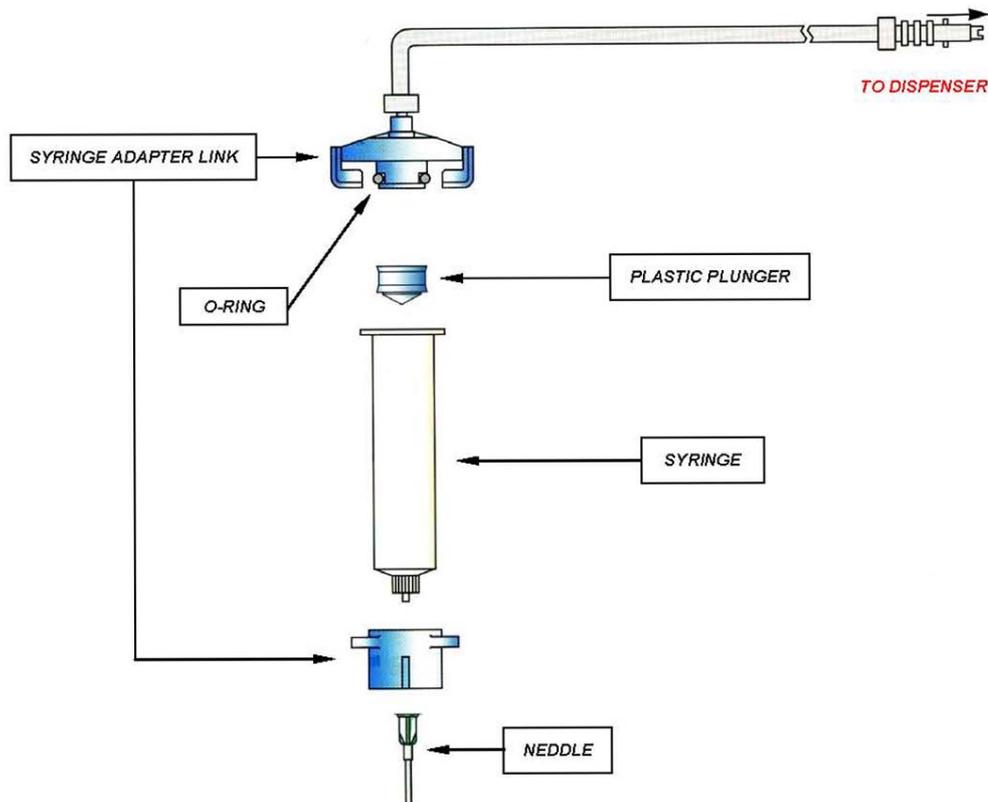


- ⊕ Compressed air paste and liquids dispensing station* (20W-230V)
- ⊕ Product quantities precision metered by means of syringes.
- ⊕ 3 digit led display showing set time in sec.
- ⊕ Microprocessor controlled high precision timer
- ⊕ **TIMER mode from 0 to 9,99 sec.**
- ⊕ **MAN continuous mode by means of footswitch pedal and/or START key command**
- ⊕ Anti-drop vacuum system fully adjustable
- ⊕ Pressure regulator
- ⊕ Pressure gauge from 0 to 6 bar
- ⊕ Shop air quick coupling 6mm tube

*The dispenser can handle a range of materials including: epoxy resins, smt adhesives, soldering flux, masking paste, grease, silicone sealant, liquids and oils.



INOX CYLINDRICAL NEEDLES	POLYETHYLENE CONICAL NEEDLES	POLYPROPYLENE FLEXIBLE NEEDLES
TS15-1/2M Aluminium dia.1.37mm 2000 11 110 TS18-1/2 Pink dia. 0.84 mm 2000 11 111 TS20-1/2 Yellow dia. 0.61 mm 2000 11 112 TS22-1/2 Black dia. 0.40 mm 2000 11 113 TS25-1/2 Blue dia. 0.25 mm 2000 11 114	TT18-1-1/4 Green dia. 0.84 mm 2000 11 115 TT20-1-1/4 Pink dia. 0.61 mm 2000 11 116 TT22-1-1/4 Blue dia. 0.40 mm 2000 11 117	TS20P-1-1/2 Yellow dia. 0.61 mm 2000 11 118 TS25P-1-1/2 Red dia. 0.25 mm 2000 11 119
PLASTIC PLUNGERS	SYRINGE ADAPTER LINK	SIRYNGES
410L-9 PLUNGER 10CC 2000 11 122 435L-9 PLUNGER 30CC 2000 11 123	OK902-10 LINK 10CC 2000 11 120 OK902-35 LINK 30CC 2000 11 121	410LL SYRINGE 10CC 2000 11 124 435LL SYRINGE 30CC 2000 11 125



CM STAR

ELECTRONIC DIGITAL SOLDERING BATH



- ⇒ Lead-free alloys compliance
- ⇒ Electronic digital soldering bath, for beading and tinning copper wires.
- ⇒ Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.
- ⇒ The 3 digit led display indicates both the set and the bath temperatures.

The System consist of:

STAR 10

Temp control unit

CM

- Soldering Bath (working dimensions 60x60x20 mm. LxWxH).



model	bath	power station	temp. °C
CM STAR 1085W 230V~ 2000 10 509	CM 1080W 230V~ 2000 11 033	STAR 10 5W 230V~ 2000 11 134	150÷621

CR 200

SOLDERING BATH WITH PWM CONTROL



- ⇒ Lead-free alloys compliance
- ⇒ Electronic PWM power and temp adjusting from 0 to 500°C



model	bath dimensions	temp. °C
CR 200 270W-230V~ 2000 10 504	64x18x20mm. LxWxH	0÷500
CR 200 PLUS 270W-230V~ 2000 10 553	90x18x20mm. LxWxH	0÷500

STAR PST 150

CONTACT PRE-HEATING STATION



- *Electronic digital contact pre-heating station*
- *Designed for heavy pre-heating operations on large masses, RF applications, high dissipation metallic/ceramics substrates (aluminium, copper, alumina)*
- *It easy soldering operations on heavy mass metallic/ceramics substrates*
- *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- *The 3 digit led display indicates both the set and the plate surface temperatures.*
- *High thermal transfer copper plate with thick chromium plating*
- *Stainless steel plate housing*

model	plate	plate dimensions	temp. °C
STAR PST 150 805W 230V~ 2000 10 577	PST 150 800W-230V~ 2000 11 334	heating surface:150x150mm LxW overall :230x230x80mm LxWxH	51÷351

STAR PST 290

CONTACT PRE-HEATING STATION

EWIG
soldering technology



- ⌚ *Electronic digital contact pre-heating station*
- ⌚ *Designed for heavy pre-heating operations on large masses, RF applications, high dissipation metallic/ceramics substrates (aluminium, copper, alumina)*
- ⌚ *It easy soldering operations on heavy mass metallic/ceramics substrates*
- ⌚ *Microprocessor thermostat controlled soldering stations, zero-crossing control, and thermocouple K type sensor.*
- ⌚ *The 3 digit led display indicates both the set and the plate surface temperatures.*
- ⌚ *High thermal transfer copper plate with thick chromium plating*
- ⌚ *Stainless steel plate housing*

model	plate	plate dimensions	temp. °C
STAR PST 290 1955W 230V~ 2000 10 569	PST 290 1950W-230V~ 2000 11 333	heating surface:290x290mm LxW overall :360x360x85mm LxWxH	51÷351

STAR BLOW

HOT AIR PRE-HEATING STATION

EWIG
soldering technology

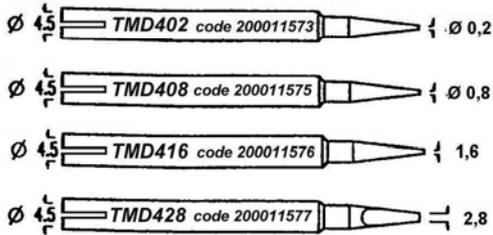


- *Electronic hot air pre-heating station*
- *Fast heating/cooling switch*
- *Easy temperature setting through knob*
- *Designed for pre-heating operations on little pcb board to easy lead- free soldering*
- *Extremely reliable, can work continuously without performances reduction*
- *Cooling function*
- *Silent pump*
- *Stainless steel antistatic housing*
- *Thermostat controlled, zero-crossing switching, and thermocouple K type sensor.*
- *Compact dimensions*

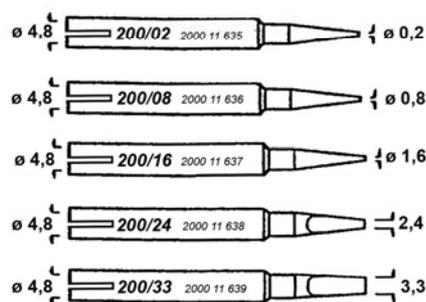
picture show non standard pcb holder available on request

<i>model</i>	<i>dimensions</i>	<i>temp. °C</i>
STAR BLOW 500W 230V~ 2000 10 559	heating air flow: dia. 55mm overall :165x180x55mm LxWxH	50÷250

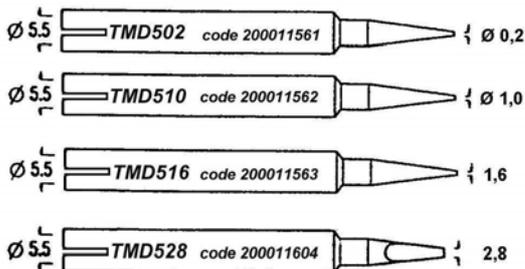
BLACK 18 200010060 **RAPID 16/32** 200010130 **POWER 30** 200010002 **B/SKK4** 200011131 **B/SZ4** 200011039



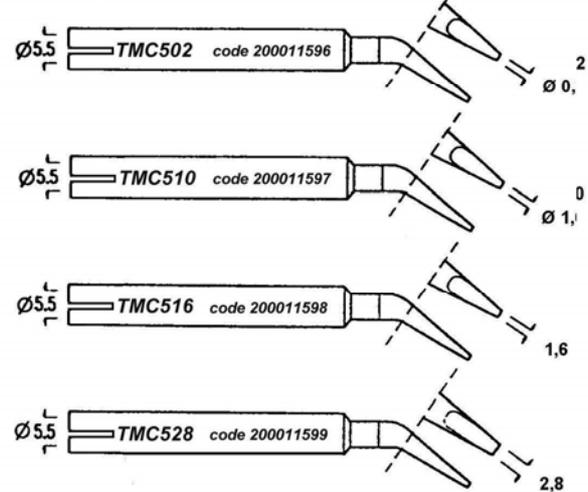
STAR 200 200010579



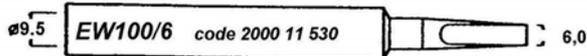
BLACK 25 200010070 **RAPID 20/40** 200010140 **POWER 50** 200010005 **B/SK5** 200011082



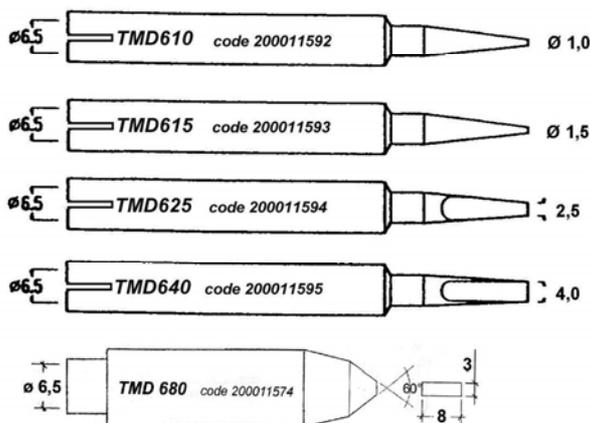
AUTOMATIC TRM/50 200010201 **B/AV5** 200011011



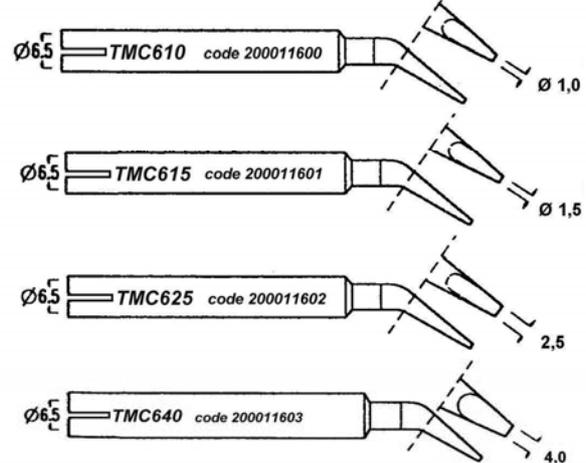
BLACK 100 200010093



BLACK 50 200010051 **BLACK 60** 200010026 **RAPID 30/60** 200010150 **POWER 60** 200010009 **B/SK6** 200011021



AUTOMATIC TRM/70 200010203 **B/AV6** 200011005



BLACK 10 200010090 **B/SKK3** 200011130



EW 323 200010401



UG 400

MODELS	DESOLDERER	DESOLDERING TIPS SUPER
THEMA/K 200010529	B/THK 200011098	UPC07 ø 0.7 code 200011059 UPC10 ø 1.0 code 200011015 UPC13 ø 1.3 code 200011016
DIS 98 200010303		
THEMA/Z4 200010501	B/THZ4 200011154	UZ4/07 ø 0.7 code 200011580 UZ4/10 ø 1.0 code 200011567 UZ4/13 ø 1.3 code 200011568 UZ4/18 ø 1.8 code 200011569
VAC 3000 200010006		

N.B. : Dimensions and peculiarity are just as an indication

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