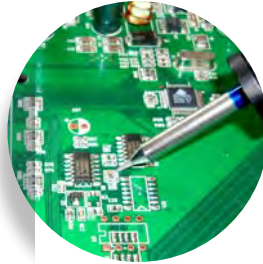


Sıcak Hava Üfleme

Lehimleme ve Lehim Sökme Cihazları



TMT-HA

Hot Air Tools



TMT-HA050

ESD SAFE LEAD FREE

The TMT-HA050 hot air tool can be used for the removal of surface mount components such as SOIC, QFP, PLCC and other similar devices.

- ▶ Digital display shows temperature and air flow
- ▶ Light, portable, plug and use tool
- ▶ Uses HTN Series Hot Air Nozzles
- ▶ Convection heating allowing low pressure hot air to focus on the solder joints

TMT-HA050 SPECIFICATIONS

Input Line Voltage:	220-240 VAC
Power:	600 Watts
Temperature Range:	100 °C - 480 °C
Pump:	Turbine Motor
Airflow (Max):	30L / min
Fuse:	250V 3A
Size (W x H x D):	65mm x 265mm
Weight:	1 KG

PACKING LIST

TMT-HA050	Hot Air Tool
HTN-D30	Nozzle 3.0mm (0.12")
HTN-D50	Nozzle 5.0mm (0.20")
HTN-D80	Nozzle 8.0mm (0.31")
HTN-D100	Nozzle 10.0mm (0.39")

CERTIFICATION MARK



TMT-HA200

ESD SAFE LEAD FREE

The TMT-HA200 hot air tool can be used for the removal and reflow of surface mount components such as SOIC, QFP PLCC and other similar devices.

- ▶ Large selection of high quality nozzles
- ▶ Adjustable, easy to use temp and air control knobs
- ▶ Uses HTN Series Hot Air Nozzles
- ▶ Auto sleep activated when hot air tool is placed in the holder.

TMT-HA200 SPECIFICATIONS

Input Line Voltage:	220-240 VAC
Power:	600 Watts
Temperature Range:	100 °C - 480 °C
Pump:	Turbine Fan
Airflow (Max):	35L / min
Fuse:	250V 3A
Size (W x H x D):	112mm x 205mm x 117mm
Weight:	2.40 KG

PACKING LIST

TMT-HA200	Hot Air Tool
HTN-D30	Nozzle 3.0mm (0.12")
HTN-D50	Nozzle 5.0mm (0.20")
HTN-D80	Nozzle 8.0mm (0.31")
HTN-D100	Nozzle 10.0mm (0.39")

CERTIFICATION MARK



TMT-HA

Hot Air Tools



TMT-HA300

ESD SAFE **LEAD FREE**

The TMT-HA300 hot air tool uses a large diaphragm pump and can be used for the removal and reflow of surface mount components such as SOIC, QFP, PLCC and other similar devices.

- ▶ Digital display shows temperature and status.
- ▶ Airflow meter provides visual feedback of air flow.
- ▶ Adjustable, easy to use temp and air control knobs
- ▶ Uses HTN Series Hot Air Nozzles

TMT-HA300 SPECIFICATIONS

Input Line Voltage:	TMT-HA300-1	100-110 VAC
	TMT-HA300	220-240 VAC
Power:	600 Watts	
Temperature Range:	100 °C - 480 °C	
Pump:	Diaphragm Pump	
Airflow (Max):	23L / min	
Fuse:	TMT-HA300-1	250V 5A
	TMT-HA300	250V 3A
Size (W x H x D):	188mm x 127mm x 246mm	
Weight:	3.00 KG	

PACKING LIST

TMT-HA300	Hot Air Tool
HTN-D30	Nozzle 3.0mm (0.12")
HTN-D50	Nozzle 5.0mm (0.20")
HTN-D80	Nozzle 8.0mm (0.31")
HTN-D100	Nozzle 10.0mm (0.39")

CERTIFICATION MARK



TMT-HA600

ESD SAFE **LEAD FREE**

The TMT-HA600 hot air tool uses a large diaphragm pump and a high power 1300W heater, designed to work on more difficult applications, in the removal and reflow of surface mount components.

- ▶ Fast heating and temperature recovery
- ▶ Simple controls allows easy adjustment.
- ▶ Uses HTN Series Hot Air Nozzles
- ▶ Digital display with easy-to-adjust temp and airflow

TMT-HA600 SPECIFICATIONS

Input Line Voltage:	TMT-HA600-1	100-110 VAC
	TMT-HA600-2	220-240 VAC
Power:	1300 Watts	
Temperature Range:	100 °C - 480 °C	
Pump:	Diaphragm Pump	
Airflow (Max):	23L / min	
Fuse:	TMT-HA600-1	250V 15A
	TMT-HA600-2	250V 8A
Size (W x H x D):	188mm x 127mm x 246mm	
Weight:	3.00 KG	

PACKING LIST

TMT-HA600	Hot Air Tool
HTN-D30	Nozzle 3.0mm (0.12")
HTN-D50	Nozzle 5.0mm (0.20")
HTN-D80	Nozzle 8.0mm (0.31")
HTN-D100	Nozzle 10.0mm (0.39")

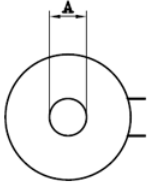
CERTIFICATION MARK



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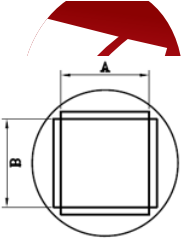
TMT-HA

HTN Series Hot Air Nozzles



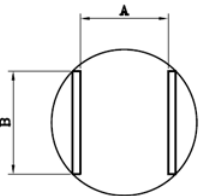
Nozzles - Standard

Part Number	Description	A	
		MM	IN.
HTN-D30	Nozzle 3.0mm	3.0	0.12"
HTN-D50	Nozzle 5.0mm	5.0	0.20"
HTN-D80	Nozzle 8.0mm	8.0	0.31"
HTN-D100	Nozzle 10.0mm	10.0	0.39"



Nozzles - PLCC, BQFP, QFP

Part Number	Description	A		B	
		MM	IN.	MM	IN.
HTN-PL20	Nozzle 11.9mm x 11.9mm, PLCC-20	11.9	0.47"	11.9	0.47"
HTN-PL28	Nozzle 14.5mm x 14.5mm, PLCC-28	14.5	0.57"	14.5	0.57"
HTN-PL32	Nozzle 16.9mm x 14.3mm, PLCC-32	16.9	0.67"	14.3	0.56"
HTN-PL44	Nozzle 19.5mm x 19.5mm, PLCC-44	19.5	0.77"	19.5	0.77"
HTN-PL52	Nozzle 22.0mm x 22.0mm, PLCC-52	22.0	0.87"	22.0	0.87"
HTN-PL68	Nozzle 27.0mm x 27.2mm, PLCC-68	27.0	1.06"	27.2	1.07"
HTN-PL84	Nozzle 32.4mm x 32.4mm, PLCC-84	32.4	1.28"	32.4	1.28"
HTN-QF48	Nozzle 8.4mm x 8.4mm, QFP-48	8.4	0.33"	8.4	0.33"
HTN-QF44	Nozzle 13.4mm x 13.4mm, QFP-44	13.4	0.53"	13.4	0.53"
HTN-QF80	Nozzle 17.3mm x 17.3mm, QFP-52,80	17.3	0.68"	17.3	0.68"
HTN-QF100	Nozzle 23.4mm x 18.1mm, QFP-64,80,100	23.4	0.92"	18.1	0.71"
HTN-QF160	Nozzle 31.2mm x 31.2mm, QFP-120,128,144,160	31.2	1.23"	31.2	1.23"
HTN-BQ100	Nozzle 22.4mm x 22.4mm, BQFP-100	22.4	0.88"	22.4	0.88"
HTN-QF240	Nozzle 34.5mm x 34.5mm, QFP-240	34.5	1.36"	34.5	1.36"
HTN-BQ196	Nozzle 37.7mm x 37.7mm, BQFP-196	37.7	1.48"	37.7	1.48"
HTN-QF208	Nozzle 29.8mm x 29.8mm, QFP-208	29.8	1.17"	29.8	1.17"



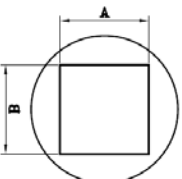
Nozzles - SOIC, TSOP

Part Number	Description	A		B	
		MM	IN.	MM	IN.
HTN-SC16	Nozzle 6.8mm x 10.2mm, SOIC 14, 16	6.8	0.27"	10.2	0.40"
HTN-SL16	Nozzle 10.6mm x 10.8mm, SOL 14, 16	10.6	0.42"	10.8	0.43"
HTN-SL20	Nozzle 10.6mm x 13.3mm, SOL 20, 20J	10.6	0.42"	13.3	0.52"
HTN-SL24	Nozzle 10.6mm x 15.9mm, SOL 24, 24J	10.6	0.42"	15.9	0.63"
HTN-SL28	Nozzle 10.6mm x 18.4mm, SOL 28	10.6	0.42"	18.4	0.72"
HTN-SL44	Nozzle 16.0mm x 27.9mm, SOL 44	16.0	0.63"	27.9	1.10"
HTN-SJ32	Nozzle 13.5mm x 20.6mm, SOJ 32	13.5	0.53"	20.6	0.81"
HTN-SJ40	Nozzle 13.5mm x 25.4mm, SOJ 40	13.5	0.53"	25.4	1.00"
HTN-TS24	Nozzle 17.0mm x 7.1mm, TSOP 20-24 PIN	17.0	0.67"	7.1	0.28"
HTN-TS32	Nozzle 21.0mm x 9.1mm, TSOP 28-32 PIN	21.0	0.83"	9.1	0.36"
HTN-TS40	Nozzle 21.0mm x 10.8, TSOP 40 PIN	21.0	0.83"	10.8	0.43"
HTN-TS48	Nozzle 21.0mm x 13.3mm, TSOP 48 PIN	21.0	0.83"	13.3	0.52"
HTN-TS24B	Nozzle 10.2mm x 18.4mm, TSOP 20-24 PIN	10.2	0.40"	18.4	0.72"
HTN-TS44	Nozzle 12.7mm x 19.8mm, TSOP 24-28/40-44 PIN	12.7	0.50"	19.8	0.78"



Nozzles - BGA

Part Number	Description	A		B	
		MM	IN.	MM	IN.
HTN-B1010	Nozzle 10.0mm x 10.0mm	10.0	0.39"	10.0	0.39"
HTN-B1313	Nozzle 13.0mm x 13.0mm	13.0	0.51"	13.0	0.51"
HTN-B1616	Nozzle 16.0mm x 16.0mm	16.0	0.63"	16.0	0.63"
HTN-B1919	Nozzle 19.0mm x 19.0mm	19.0	0.75"	19.0	0.75"
HTN-B2828	Nozzle 28.0mm x 28.0mm	28.0	1.10"	28.0	1.10"
HTN-B3030	Nozzle 30.0mm x 30.0mm	30.0	1.18"	30.0	1.18"
HTN-B3232	Nozzle 32.0mm x 32.0mm	32.0	1.26"	32.0	1.26"
HTN-B3636	Nozzle 36.0mm x 36.0mm	36.0	1.42"	36.0	1.42"
HTN-B3939	Nozzle 39.0mm x 39.0mm	39.0	1.54"	39.0	1.54"
HTN-B4141	Nozzle 41.0mm x 41.0mm	41.0	1.61"	41.0	1.61"
HTN-B4343	Nozzle 43.0mm x 43.0mm	43.0	1.69"	43.0	1.69"
HTN-B4545	Nozzle 45.0mm x 45.0mm	45.0	1.77"	45.0	1.77"





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**LEHİMLEME TEKNOLOJİLERİNDE ÇÖZÜM
ORTAĞINIZ...**

Introduction

With today's delicate and complex electronic assemblies, temperature accuracy is a consistent challenge. Component density, lead size and thermally sensitive components all combine to make process control demands, criteria which many systems fail to meet.

Thermaltronics CHT (Curie Heat Technology) is different, it responds to the thermal demands of each solder joint by adjusting the power instantaneously, thereby meeting the exact requirements of the substrate component and solder material.

The Thermaltronics Soldering Product range includes both 13.56 MHz Power Supplies and those which operate at 470KHz. The extended range of power supplies and associated accessories provide users with a wide choice of soldering solutions and ensure full compatibility with existing competitive products.

All Thermaltronics products are produced in accordance with ISO 9000 & ISO 14000 standards and meet either TUV, GS, CE or NRTL safety requirements. Strict quality control procedures are in place and product warranties are among the best in the industry.

The new range of soldering systems and cartridges, engineered by Thermaltronics, also incorporate further improvements in design which optimize power thresholds and provide increased performance and reliability. Advances in plating technology have also ensured reductions in the "cost of ownership" and extended tip life.

To aid in the selection of the correct temperature profile, Thermaltronics solder cartridges are color coded for easy identification. This unique feature has additional benefits in both inventory management and quality control.

Other features which have been verified through extensive testing include:

- √ Color coded tips which provide full process control
- √ Improved plating which extends service life and provides cost savings
- √ Gold plated connectors which improve connectivity and optimize power transmission
- √ Enhanced cartridge design which achieves faster point to point soldering
- √ Curie Heat technology which provides stable tip temperatures

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