HCT-900 Hand Held Convection Tool

The HCT-900 Hand Held Convection Tool offers a **low cost, versatile rework solution** for a wide variety of production and rework application challenges:

- Rework a wide range of simple and complex SMT components
- Rework pin in-hole devices such as sockets and connectors
- Remove solder shorts and splashes by using it with solder braid and flux
- Plastic applications such as applying shrink wrap to components

Key Features & Benefits

- Versatile Hot Air Tool for soldering and desoldering applications
- Robust and compact design
- Analog controls for both airflow and heat
- Closed loop feedback circuit controls the temperature
- Unique low noise air pump (less than 45 db) provides precise airflow control
- Fully ESD compliant

A closed loop feedback circuit allows the desired temperature to be achieved and maintained regardless of changes in the volume of airflow.

Part No.	Description
HCT-900-11	115V Hand Held Convection Tool
HCT-HE-11	Heating Element, Replacement, 115V
HCT-900-21	230V Hand Held Convection Tool
HCT-HE-21	Heating Element, Replacement, 230V

The HCT-900 can be used for the removal and replacing of electronic components, including lead-free, from 0201 up to 304 pin QFP.

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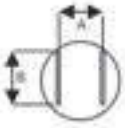
Nozzle Selection

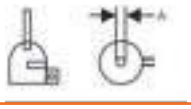
The HCT-900 is supplied with a standard single jet H-D50 (0.2", 5.0mm) nozzle. In addition, two rework nozzle kits, predefined for specific applications, are available, as well as a full selection of nozzles.

NZKT-1	Nozzle Kit for Chip Resistors, SOIC & TSOP Packages. Includes (one each): • **H-D25** • **H-SL16** • **H-SL28** • **H-SOJ40** • **H-TS48**
NZKT-2	Nozzle Kit for PLCC, QFP & BQFP packages. Includes (one each): • **H-P20** • **H-P44** • **H-P84** • **H-Q1420** • **H-Q2626**

Model	Chip Type	A mm (in)	B mm (in)
H-P20	PLCC-20	11.9 (0.47")	11.9 (0.46")
H-P28	PLCC-28	14.5 (0.57")	14.5 (0.57")
H-P32	PLCC-32	16.9 (0.67")	14.3 (0.56")
H-P44	PLCC-44	19.5 (0.77")	19.5 (0.77")
H-P52	PLCC-52	21.0 (0.83")	21.0 (0.83")
H-P68	PLCC-68	27.1 (1.07")	27.1 (1.07")
H-P84	PLCC-84	32.4 (1.28")	32.4 (1.28")
H-Q07	QFP-48	8.4 (0.33")	8.4 (0.33")
H-Q10	QFP-44	13.4 (0.53")	13.4 (0.53")
H-Q14	QFP-52,80	17.3 (0.68")	17.3 (0.68")
H-Q1420	QFP-64,80,100	23.4 (0.92")	18.1 (0.71")
H-Q28	QFP-120,128,144,160	31.2 (1.23")	31.2 (1.23")
H-BQ23	BQFP-100	22.4 (0.88")	22.4 (0.88")
H-Q3232	QFP-240	34.5 (1.36")	34.5 (1.36")
H-BQ38	BQFP-196	37.7 (1.48")	37.7 (1.48")
H-Q2626	QFP-208	29.8 (1.17")	29.8 (1.17")



H-S16	SOIC 14,16	6.8 (0.27")	10.2 (0.4")
H-SL16	SOL 14,16	10.6 (0.41")	10.8 (0.43")
H-SL20	SOL 20,20J	10.6 (0.41")	13.3 (0.52")
H-SL24	SOL 24,24J	10.6 (0.41")	15.9 (0.63")
H-SL28	SOL 28	10.6 (0.41")	18.4 (0.72")
H-SL44	SOL 44	16.0 (0.41")	27.9 (1.1")
H-SOJ32	SOJ 32	13.5 (0.53")	20.6 (0.81")
H-SOJ40	SOJ 40	13.5 (0.53")	25.4 (1.0")
H-TS24	TSOP 20-24	17.0 (0.67")	7.1 (0.28")
H-TS32	TSOP 28-32	21.0 (0.83")	9.1 (0.36")
H-TS40	TSOP 40	21.0 (0.83")	10.8 (0.43")
H-TS48	TSOP 48	21.0 (0.83")	13.3 (0.52")
H-TSW24	TSOP 20-24	10.2 (0.4")	18.4 (0.72")
H-TSW44	TSOP 24-28/40-44	12.7 (0.5")	19.8 (1.78")



Model	ø A
H-D25	2.5 mm (0.1")
H-D50	5.0 mm (0.2")
H-D120	12.0 mm (0.47")

Technical Specifications

Input Line Voltage	230 V HCT-900-21 / 115V HCT-900-11
Power	320 W
Air Pump Type	Diaphragm
Air Flow	6-25 l/min
Control Temperature	100ºC - 500ºC (212ºF - 932ºF)
Dimensions (L x W x H)	210 x 170 x 140 mm (8.7" x 6.7" x 5.5")
Noise Level	Less than 46 dBA
Surface Resistivity	Unit: $10^5\Omega$ - $10^6\Omega$. Hand-piece & tube: $10^7\Omega$ - $10^{11}\Omega$
Weight	4.7Kg (10.4 lbs)
Certification / Approvals	cTUVus, CE