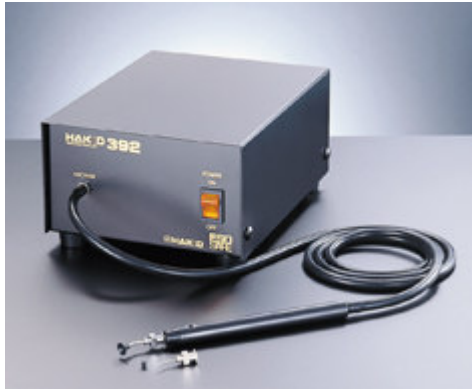


Soldering related equipment and materials/Vacuum pick-up tool

HAKKO392 ESD SAFE
VACUUM PICK-UP



- Outlet-powered suction pick-up tool with built-in vacuum pump
- Pick-up capacity can be increased up to 230gf with an optional pad

Features





Vacuum suction pick-up tool

- ▣ Perfect for the pick-up of various types of electronic components
 - Suitable for the pick-up of flat packages, chip resistors, etc.
 - Applicable also for the pick-up of sphere-shaped objects and small objects.
- ▣ Equipped with a built-in pump
 - A built-in pump eliminates need for an air supply unit. The unit is operable immediately in any area with a power supply.
- ▣ High suction force
 - Can pick up objects weighing up to 120g (when a $\phi 7$ mm pad is attached).
- ▣ Antistatic product

▣ Specifications of pad

Material	Electrically conductive silicone rubber
Heatproof temperature	Approximately 150°C
Resistance value	$10^4\Omega$ to $10^6\Omega$
Indication of pad replacement	When any crack or tear is found during a visual check, or objects cannot be sucked up properly

❏ Nozzle Single Use

Nozzle				Maximum item weight	Applications
Part No.	Name/Description	Shape	Stamped*		
A1164	Bent nozzle /0.4mm (OD 0.7mm)		22	0.6g (0.02 oz.)	Chip resistors, other tiny components
A1165	Bent nozzle/1.1mm (OD 1.65mm)		16	2g (0.07 oz.)	Small Ics (8-40 pins)
A1198	Bent nozzle /0.26mm (OD 0.5mm)		25	-	Usable for 0603 chip
A1486	Straight nozzle /1.1mm (OD 1.65mm)		16	-	

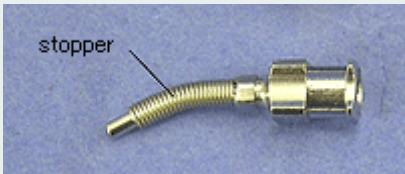
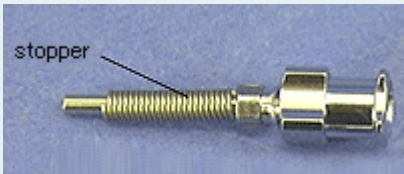
*The maximum pickup performance shown above slightly differs depending on the surface of the object.

*Please take off the stopper when you use A1165 without pad.

How to distinguish each nozzle.

❏ Use Nozzle with Pad

Nozzle

Part No.	A1165	A1486
Name/ Description	Bent nozzle /1.1mm	Straight nozzle /1.1mm
Outside Diameter	1.65mm	1.65mm
Figure		



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Pad

Part No.	A1166	A1312	A1167	A1311	A1166	A1312	A1167	A1311
Name/ Description	Pad /o3	Pad /o5	Pad /o7	Pad /o10	Pad /o3	Pad /o5	Pad /o7	Pad /o10
Figure								
Maximum item weight	20g (0.71oz.)	-	120g (4.23oz.)	-	20g (0.71oz.)	-	120g (4.23oz.)	-
Applications	Ics (40 pins or more)	-	Large Ics /LSIs	-	Ics (40 pins or more)	-	Large Ics /LSIs	-
Set Examples								

*The maximum pickup performance shown above slightly differs depending on the surface of the object.

Usage / Applications

Applications



Closing the hole on the grip triggers suction, and opening it stops suction.

! The pick-up tool is designed to suck up micro components used for PCBs, etc. and not to absorb dust. If used to absorb dust, it may become inoperable due to the clogging of the filters mounted inside.