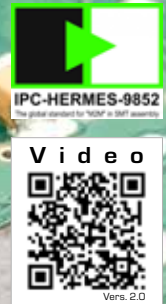


where ideas become technology



NEOHOT air riveting



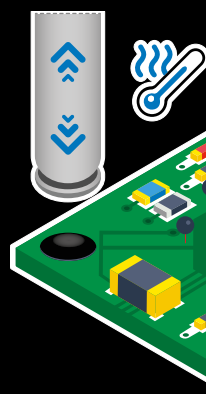
The NeoHot Air Riveting is the ultimate Osai solution for PCB fastening.

Affordable, flexible, smart and sturdy: the perfect system for your mass production.

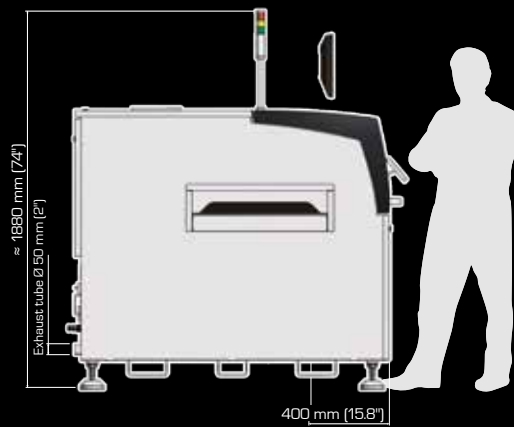
Hot riveting, is a non-detachable welding process, increasingly required by manufacturers, due to its ability to join different types of materials, such as plastic and PCB, avoiding the use of any type of screws. The use of this technique could be implemented in the field of ECU, BMS, electric motors, battery modules, sensor and more.



1st STEP
HEATING
The **hot air flow** warms the plastic pin up to **350°**



2nd STEP
HOT RIVETING
The **metal punch** makes the fastening.
The result is a **defined** and reliable **rivet shape**



MACHINE CONFIGURATION

Transport (Height)	SMEMA compliant
Max. transport (Width)	480 mm (19") with automatic width adjustment
Interface	SMEMA
Transfer direction	From left to right
Operating side - Fixed rail	Front of the machine

PANEL DIMENSIONS

Panel (Length)	70 mm to 480 mm (2.8" to 19")
Panel (Width)	50 mm to 480 mm (2" to 19")
Panel (Weight)	Up to 3 kg (6.6 lbs)

INSTALLATION REQUIREMENTS

Power supply	CE 230V	UL 208/240/277/440/480/575V
Power supply system	CE 1P+N+PE - 50/60 Hz, +/-10%	UL 2Ph+GND 3 Wire - 50/60 Hz, +/-10%
Power consumption	Typical 1,3 kW	
Air pressure	6 bar (87 p.s.i.)	
Average consumption	<10 to 20 NI/min (1,32 to 2,64 gpm)	

MACHINE DESCRIPTION

Length x Width x Height	1000 mm x 1660 mm x 1880 mm (39.5" x 65.4" x 74")
Codes reading	Reading the QRCode on the product
Temperature of the preheating station	350°
Temperature of the riveting station	190°
Axis speed (X - Y)	48 m/min
Axis (Z)	Preheating
Axis (Z)	Riveting
Weight	Approx. 700 kg (1543 lbs)
Color	RAL 9018, RAL 7016
Noise level	< 70 dB

The specifications given in this document represent the state of engineering at the time of publishing. Osai reserves the right to make modifications on the specifications and materials.

