



Vertical automatic Hot Air Leveling machine **PENTA AUTOMATIC**

The system of the **PENTA AUTOMATIC** consists of an upstream flux-module, the Automatic itself and a downstream cooling line. The responsible worker has nothing more to do than to operate the supply- and loading unit. **PENTA AUTOMATIC** uses negligible more precious space than usual manual Hot Air Leveling Systems. The availability is about 95%, which means that you need only about one hour maintenance time within operation of 24 hours. The need of spare parts runs up to only a few hundred euros. Low costs for spare parts, low proneness for disturbance as well as low maintenance time and space-economizing lead to extremely low operating costs. Additional advantages of the vertical **PENTA AUTOMATIC** are the low consumption of flux and the non-disposal of oils. The installed horizontal flux-module uses only 50 g/m² of flux. This means a consumption of only one third of flux in comparison to other usual automatic Hot Air Leveling Systems. **PENTA AUTOMATIC** is also available with exchangeable solder pot for lead and lead-free solder.

TECHNICAL DATA

Dimensions (W x D x H)	1440 x 1340 x 2350 mm
Weight	1200 kg Mainmodul
Cycles	200...300
Max. dimensions of PCB	720 x 700 x 5 mm, 28" x 28"
Air pressure	280 liter / Cycle
Required Exhaust	2500 m ³ /h, 700-1000 pA (Pascal)
Solder capacity	Lead-free-solder: 340 kg, Lead solder: 370 kg
Electr. Installation	59 kW, 3line 400 V / 80 Amp, USA: 480 V
PLC	Mitsubishi L-Series: 48 digital-input, 72 digital-output, 8 analog-input, 4 analog-output
Display Control Unit	ProFace 4000 Series, 12,1" TFT-LED-Color touch panel, Software: Automatic Control
Communication	Ethernet Switch, Remote access via web