



DVBE SRL
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Brand owned



In collaboration with

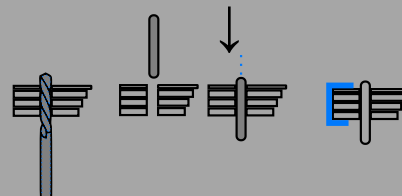


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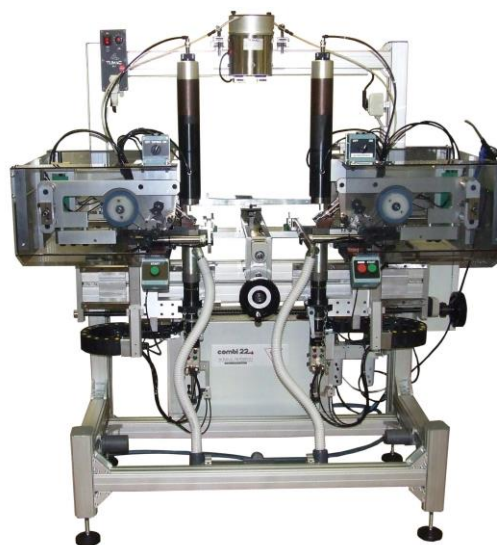
MODEL:

DRILLING-PINNING TWIN DRILLING-PINNING TWIN-TAPING

Semi-automatic/automatic machines for processing multilayer PCBs
Pin $\varnothing$ 3/3.17/4/5mm version



SPINAMATIC



COMBI

Spinamatic

Semi-automatic drilling/pinning machine for panels before drilling.
It is equipped with a vibrator for automatically inserting pins into pre-existing holes.
Drilling and pinning unit (1 left, 1 right).

Pin length: 18 - 20 mm / (0,70" - 0,79")

Pin diameter: 3,0 - 3,175 - 4,0 - 5,0 mm / (0,12" - 0,125" (1/8") - 0,158" - 0,197")

Working area: Min 280 x 350 mm. (11" x 13,8") Max. 700 x 600 mm. (27,6" x 23,6")

Weight: 238 kg. (525 lbs)

Dimensions: 1.610 x 750 x 1.500 mm / (L 63,4 x D 29,5" x H 59,1") Air connection: 6 bar

Power: 230 VAC or 110 VAC - 150 W



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Combi 22

Automatic drilling/pinning and taping machine for panels before drilling.
It is equipped with a vibrator for automatically inserting pins into pre-existing holes.
Drilling and pinning unit (1 left, 1 right).
4 Taping Heads (2 left, 2 right).

Pin length: 18 - 20 mm / (0,70" - 0,79")

Pin diameter: 3,0 - 3,175 - 4,0 - 5,0 mm / (0,12" - 0,125" (1/8") - 0,158" - 0,197")

Working area: Min 280 x 350 mm. (11" x 13,8") Max.700 x 600 mm. (27,6" x 23,6")

Weight: 290 kg. (639 lbs)

Dimensions: 1.760 x 750 x 1.450 mm / (L 69,3" x D 29,5" x H 57,1")

Air connection: 6 bar

Power: 230 VAC or 110 VAC - 150 W

Process:

- Simultaneous drilling and pinning on the pin sides.
- Accurate positioning of the drilling and pinning heads via handwheels with pneumatic locking
- Mechanical X/Y position indicators
- Hydraulic spindle brake with feed speed adjustment to optimize drilling quality and to reduce burrs.
- Automatic dowel insertion

Multilayer pinning

- Lower positioning of the drilling spindles and insertion of the cylinders containing centering pins for multilayer drilling. (Photo 1)
- Pinning cycle only.

Process:

- Simultaneous drilling, pinning, and taping on the pin sides.
- Taping with a second cycle on the long sides.
- Accurate positioning of the drilling and pinning heads via handwheels with pneumatic locking
- Mechanical X/Y position indicators
- Hydraulic spindle brake with feed speed adjustment to optimize drilling quality and to reduce burrs.
- Automatic dowel insertion
- 4 taping units (2 on the right, 2 on the left) with adjustable taping point spacing.

Multilayer pinning

- Lower positioning of the drilling spindles and insertion of the cylinders containing centering pins for multilayer drilling. (Photo 1)
- Pinning/Taping cycle only.



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Optional devices for Combi 22 and Spinamatic

- Reinforced cylinder for very thick packages.
- Automatic axis positioning.
- Anti-reversal hole control.
- Electronic cycle counter.
- Guillotine for suction blocking.



Photo 1