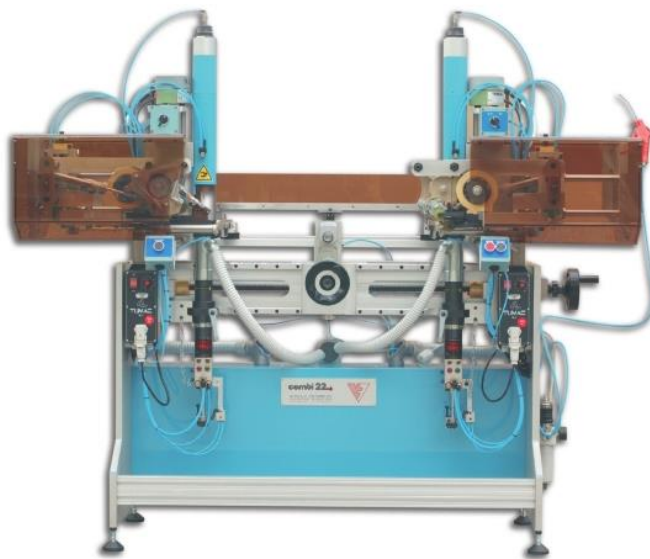


Drill stack Preparation

Combi 22 & Spinamatic



VF s.r.l.
Machines and
Tools for PCB
production



Combi 22

*Automatic Drilling and/or Pinning and
Taping of Drill stacks*



Spinamatic

Automatic Drilling and/or Pinning of Drill stacks

- Compact and Robust
- High Productivity
- Easy to Operate



VF s.r.l.
Via Torino,30
36030 Caltrano Italy



Combi 22 - Drilling and/or Pinning and Taping of Drillstacks

Operation:

- Drilling, Pinning & Taping simultaneously on pin sides
- Additional Taping only on long sides
- Spindle/Cylinder positioning by Handwheel using accurate Mechanical Counters
- Pneumatic securing of Spindle/Cylinder position
- Hydraulic Brakes for Z-Axis damping feed (fast approach, regular feed, no exit burr)
- Automatic Pin Feed
- 4 Taping Heads (2 left, 2 right) with adjustable distances between tapes
- Adjustable Tape Length on Entry Material

Extra for Multilayer Pinning

Lowering Drill Spindle to set Pin Centering Device instead (No Drilling, just Pinning & Taping, see image 1)

Specifications

- 2 Drilling & Pinning Heads (1 left, 1 right)
- 4 Taping Heads (2 left, 2 right)
- Machine Dimensions L 69,3" x D 29,5" x H 57,1" (1760 x 750 x 1450 mm)
- Weight 639 lbs (290 kg)
- Pin length 0,70" - 0,79" (18 - 20 mm)
- Pin diameter 0,12" - 0,125" (1/8") - 0,158" - 0,197" (3,0 - 3,175 - 4,0 - 5,0 mm)
- Stack dimensions min. 11" x 13,8" (280 x 350 mm)
- Stack dimensions max. 28,35" x 23,6" (720 x 600 mm)

Spinamatic - Drilling and/or Pinning of Drillstacks

Operation:

- Drilling & Pinning simultaneously
- Spindle/Cylinder positioning by Handwheel using accurate Mechanical Counters
- Mechanical securing of Spindle/Cylinder position
- Hydraulic Brakes for Z-Axis damping feed (fast approach, regular feed, no exit burr)
- Automatic Pin Feed

Extra for Multilayer Pinning

Lowering Drill Spindle to set Pin Centering Device instead (No Drilling, just Pinning, see image 1)

Specifications

- 2 Drilling & Pinning Heads (1 left, 1 right)
- Machine Dimensions L 63,4 x D 29,5" x H 59,1" (1610 x 750 x 1500 mm)
- Weight 525 lbs (238 kg)
- Pin length 0,70" - 0,79" (18 - 20 mm)
- Pin diameter 0,12" - 0,125" (1/8") - 0,158" - 0,197" (3,0 - 3,175 - 4,0 - 5,0 mm)
- Working range 27,6" x 27,6" (700 x 700 mm)

Options for both Combi 22 & Spinamatic

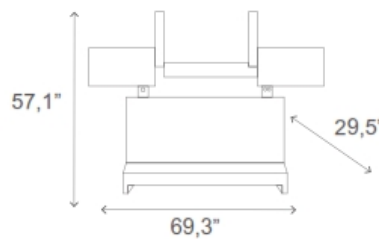
- Reinforced cylinder for high stacks
- Automatic axes positioning
- 3rd hole anti rotation device
- Electronic cycle counter
- Guillotine for vacuum cut

Image 1

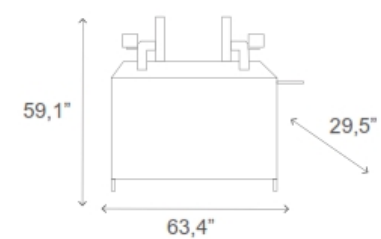


- Centering Group complete for MLB

Dimensions Combi 22



Dimensions Spinamatic



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