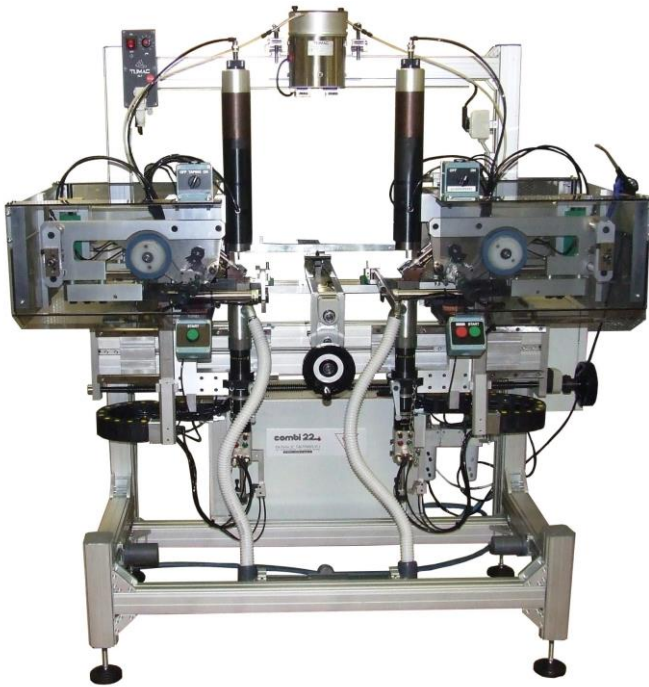


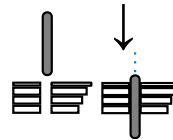
COMBI 22

SEMI-AUTOMATIC DRILLING, PINNING AND TAPING TWIN MACHINE FOR PCBs
PIN Ø 3/3.17/4/5MM VERSION

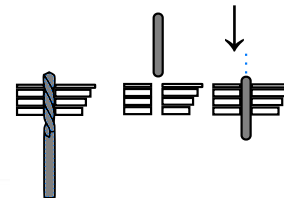


Available configurations to fit any standard pin diameter used in the market:

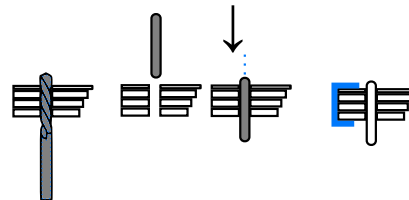
Only pinning on multilayer PCBs



Drilling, pinning on double-sided or multilayer PCBs



Drilling, pinning and taping on double face or multilayer PCBs



The COMBI 22 is the ideal solution for those seeking compactness, efficiency, and ease of use in printed circuit board processing.

A single machine allows for the insertion of reference pins into both double-sided and multilayer PCBs, as well as the taping of the PCB stack.

Quick and simple settings allow for rapid production changes, adapting the machine to various operational needs such as pin insertion only, drilling and pin insertion, or adding two- or four-sided taping to these processes.

Constructed from high-quality materials and featuring almost entirely pneumatic operation (with the exception of the pin feeding system), the COMBI 22 ensures high reliability, robustness, and long-term durability.

Operation is straightforward and requires only brief basic training. The operator works in safe and comfortable conditions: simply guide the PCB into the work area and perform the required simple steps based on the selected process.

At the end of the cycle, the two pins and the tapes are correctly applied to the PCB stack.

Taping can be applied to either two or four sides.

For multilayer circuit processing, a retractable punch system combined with "Floating" technology ensures correct centering and precise pin positioning, compensating for any stack tolerances.

The pin insertion stroke is controlled by a proven, adjustable mechanism that allows for precise setting of the insertion depth, ensuring a uniform and correct pin height.

The data and images contained in this datasheet are for indicative purposes only and may be subject to change without prior notice.

100% MADE IN DVBE

- Origin & Manufacturing: Fully designed, engineered, and manufactured in-house (100% In-House Production).
- Machining & Reliability: High-precision mechanical processing ensuring long-term reliability and accuracy over time.
- Service Life Expectancy: > 30 years, backed by decades of specialized industry expertise.
- Maintenance: minimal, restricted to scheduled inspection and replacement of wear parts.
- Ergonomics & Safety: ergonomically optimized design to minimize operator physical fatigue and overload during operation



Customization Options:

Tailor-made machine configurations available to process materials with custom dimensions or specific technical properties. Contact our engineering team for bespoke solutions.

TECHNICAL DESCRIPTION

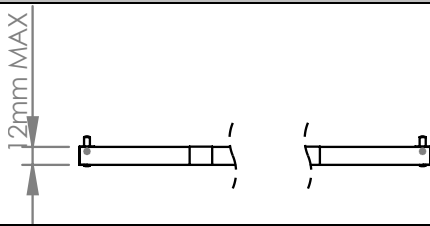
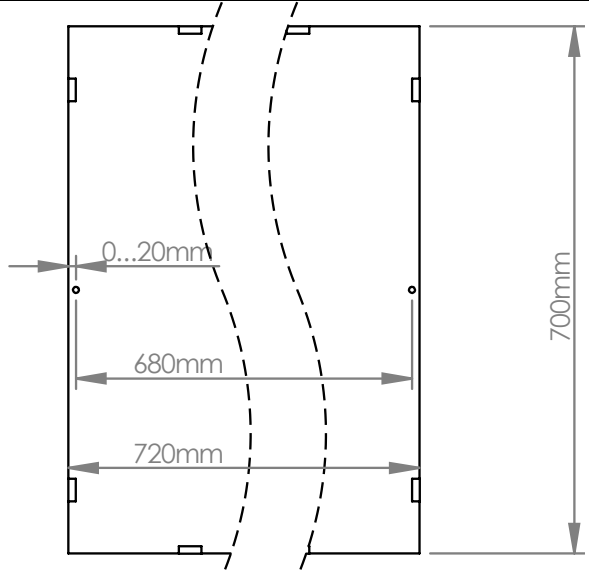
GENERAL

- Installation & Commissioning: Fast and straightforward plug-and-play setup.
- Operator Training: Zero specialized training required; fully intuitive operation

MECHANICAL

- Construction Materials: Premium-grade painted steel, stainless steel, and anodized aluminum.
- Surface Treatments: Engineered surface coatings applied to enhance durability and support low-maintenance performance.

TECHNICAL DATA

WORKING LIMITS		
PCB STACK THICKNESS <i>The indicated measurement are expressed in millimetres</i>		12mm (max)
PCB DIMENSIONS <i>The indicated measurement are expressed in millimetres</i>		300-720mm (min/max)
PIN DIMENSION		
PINS	Ø3/3.17/4/5mm	
KIND OF MACHINE	ORDER DIMENSIONS	WEIGHT
STAND-ALONE STRUCTURE	1800x800 h1500mm	300kg
AIR INLET CONNECTION		
ALL VERSIONS	6 bar	
MAIN POWER		
ALL VERSIONS	230 VAC or 110 VAC - 150 W	

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CONFIGURATION OPTIONS

KIND OF MACHINE	ORDER CODE	PIN DIMENSION
STAND-ALONE STRUCTURE	COMBI22-TP-25-x	x = 3/3.17/4/5 Ømm

ORDER CODE EXAMPLE **COMBI22-TP-25-4** MEANS VERSION CALIBRATED FOR Ø4MM PIN

OPTIONAL

REINFORCED PINNING CYLINDERS	INCREASE IN PIN INSERTION FORCE
THIRD HOLE CHECK	VERIFICATION OF CORRECT PCB ORIENTATION
SUCTION GUILLOTINE	GUILLOTINE WITH CONTROLLED SUCTION DURING THE CYCLE

TECHNICAL DIMENSIONS

The indicated measurement are expressed in millimetres

1800x800 h1500mm