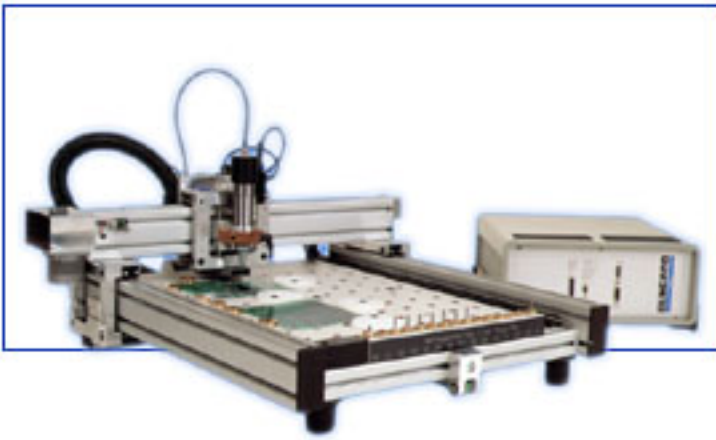
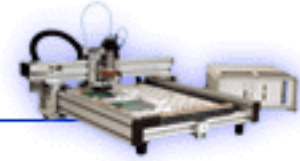


CCD / ATC CNC MACHINE



Extend of delivery

The Bungard CCD/MTC is a high quality Computer Controlled Drilling machine with Automatic Tool Change. It allows direct processing of Excellon/Sieb&Meyer drill data or HP/GL plot data for PCB production (drilling, milling, isolation routing, dispensing) and milling/routing of plastics, aluminium or other metal panels.

- Mechanics unit, control unit, cables
- Driver software for drilling and routing
- High frequency spindle (max. 60000 rpm), with DC brake and load control
- Powerful 500-1300 Watt vacuum cleaner
- If required: 4 hours free training at our facilities

Special features

- Mechanics unit: rigid and flat construction with low moving weights and high quality bearings for high-speed positioning
- Machine bed with universal fixture system, suitable for both clamps and ref. pins
- Ready for optional dosing/dispensing extensions
- KaVo high speed spindle motor, 140 Watt, including 1/8" (3.175 mm) chuck
- Software controlled spindle speed up to 60000 rpm
- Spindle quick stop (1s) DC brake and electronic load control
- Heavy duty stepper motor on Z-axis for true milling capability and correct tool speed
- Standard travel area: 325 x 495 x 30 mm³ (max. available 500 x 600 x 45 mm³)
- Automatic tool change, simultaneously 14 + 1 out of 99 tools per job.
- Drill break detector
- Smallest drill diameter: 0.3 mm
- Integral depth limiting device for (isolation) milling and engraving on uneven surfaces
- Stand alone control unit (19" rack) connects to all standard PC's with 1 free serial port
- Driver software for Excellon, Sieb&Meyer or HP/GL data for real-time, on-line machine control, with comfortable user interface, including tool statistics and plausability control
- All machine parameters software controlled and configurable
- Easy to use teach-in feature for drill data
- Step definition: 1 mil (=0.0254 mm), precision +/- 1 step
- Maximum speed per axis: 93 mm/s (=5.6 m/min)
- Drill speed: 5 hits/s (=18000 holes per hour)

Technical data

- **Power supply:** 220-240 V, 50 Hz, approx. 250 VA + vacuum cleaner
- **Warranty:** 1 year in-house warranty on parts and labour
- **Sizes (mechanics):** approx. 79 x 68 x 13 mm³ (W x D x H)
- **Required desktop size:** approx. 120 x 80 cm²
- **Weight:** approx. 32 kg

Available options

- Protective hood, CAM/isolation software, monitor + camera, cooling device, compressor, software and equipment for SMT dispensing

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