

CCD2 CNC Production Centre



The CCD2 is the smallest in a range of CNC machines for drilling and routing of PCBs and other materials. All our CNC units can be used for 'Isolation Routing' where the unwanted copper to produce a PCB is removed mechanically rather than chemically etched. The CCD2 is the smallest and most affordable unit but it still has a processing area of 270mm x 320mm. All CNC machines are complete with drill and profile routing software. For Isolation Routing the IsoCam software is also needed but there is no need to buy the old separate 'Windows Black Box' as this is now supplied integrated in the CCD/2. With the supplied ROUTEPRO 2005 software tasks can be performed real time in Windows. All the CNC machines include a Kavo high frequency spindle (60,000 rpm) and software controlled Z-Axis for optimum processing. All machines accept industry standard tools. Floor standing or bench top enclosures are available with storage cabinet and lockable wheels.

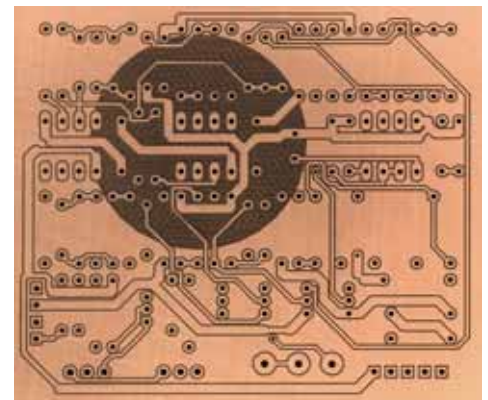
Order Code	
700-001	CCD/2 CNC with intergrated 'Black Box' +RoutePro2005
700-002	IsoCam Isolation Routing Software
700-005	CCD/2 Enclosure (Floor Standing)
700-005-2	CCD/2 Enclosure (Bench Top)



Special Features:

- 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.
- KaVo high speed, 60,000rpm spindle motor, 150 W, including 1/8" (3.175 mm) chuck.
- Heavy duty stepper motor on Z-axis for true milling capability and correct tool speed.
- Standard travel area: 320 × 270 × 30 mm, Sizes (mechanics) approx:70 × 55 × 30 cm³ (W × D × H).
- Easy semi-automatic tool change, simultaneously 15 out of 99 tools per job.
- Smallest drill diameter: 0.3mm. Drill speed: 5 hits/s (=18,000 holes per hour).
- Integral depth limiting device for (isolation) milling and engraving on uneven surfaces.
- Driver software for Excellon, Sieb & Meyer or HP/GL data.
- All machine parameters software controlled and configurable, including Z axis.
- Step definition: 0.25 mil (= 0.00635 mm), precision +/- 1 step.
- Maximum speed per axis: 133 mm/s (=8 m/min).
- Sizes (mechanics) approx: 70 × 55 × 30 cm³ (W × D × H).
- Required desktop size: approx. 80 x 80 cm. Weight: approx. 23 kg.

Technical details are subject to change without notice



Accessories

Order Code	
13-111050	30° router for isolation routing and fine engraving
700-013-8	60° router for isolation milling and rub out

Drill Entry/Exit Board

High quality drill entry and exit board for precision drilling with a CNC drilling machine.

400-265	Melamine 0.8mm Drill Entry Board 12" x 18"
400-266	1.5mm Drill Exit Board 12" x 18"