

CENTAURO BETA MORTICER

Fully programmable 3 axis horizontal CNC swing chisels mortiser suitable for general joinery and furniture production. By a combination of automatic movement of the mortising head in the x axis and an automatic gripper that positions the timber no manual movement or handling of the component is required other than loading and positioning the timber against the pneumatic reference stop and then unloading when the mortising cycle is finished. The complete movement, clamping and mortising cycle is fully automatic. X, Y and Z axis movements are all via re-circulating ball and screw drives and using linear slide-ways to give maximum positioning accuracy. Thanks to the programmable Z axis it is possible to produce off line mortises, double mortises or produce thicker mortise slots with the same chisel. Programming is very simple thanks to the 'user friendly' graphic touch screen controller where programs can be memorised and stored under a number or specific name up to 8 characters. The swing chisel cutter itself produces a very clean mortise slot and if required for deep mortises up to 3 depths of cut can be programmed to give a 'woodpecker' type cutting operation. Other programming options include working off either the face of the timber or the thickness and the possibility to produce mirror image components (left/right hand) in one program.

All movements on re-circulating ball and screw drive with brushless motor

3 vertical pneumatic clamps

'Power 1000' touch screen graphic controller with 99 programs each with 50 lines. USB key facility. Programmable speed for cutting depth.

Anti-splinter guards with air blowers and dust extraction points. 1 x 80mm 1 x 60mm dia.

**The machine can be equipped with a separate dedicated programmable hollow chisel head for producing the small mortise holes for glazing bars OR CNC Milling head for the likes of louvre slotting, Lock cut outs or even mortice and tenon

Technical Specification;

X axis stroke 1100mm.

Y axis stroke 250mm.

Max. depth of cut 120mm (depending on chisel size)

Z axis stroke 100mm Max.

Work-piece height of 120mm.(170mm Optional)

Max. work-piece width 200mm

Max. swing chisel thickness 20mm.

Min slot length 25mm approx

(with swing chisel)

Min. slot thickness 6mm

Motor power 4hp

Working table dimensions 1210mm x 215mm

Air supply 6 bar / 470 l/min consumption. Machine dimensions 2700x1700x1600mm

Machine weight 1400kgs