



SAFRAN

Robotics & CNC Automation Technologies

MoonCAM 5020-10 TYPE 5 AXIS CNC MILLING MACHINERY TECHNICAL SPECIFICATIONS (FOR WOOD AND ALUMINYUM MACHINING)



Net working area	: 5500*2000*1000 mm (length*width*high)
Rapid speed of axis	: 40 m/min. X-Y axis 30 m/min Z axis
Mechanical Transmission	: BLK5050-3.6ZZ+7010LTK Type THK Ball Screw on the xy : 32*32 ball screw on the Z axis
Working Table	: Flat table with grid based vacuum table. Produced by casting : aluminium. The load capacity is 225 kg/ m2 .Table diemension is : 5100*2200 mm
Servo Motor System	: 16 Nm nominal torque Siemens Servo Motor
Machinery body	: Welded stell and preheated stress has been done
Control system	: Siemens Sinumeric 840D 5 Axis control system. : Sinumeric PCU50 system available.
CAD-CAM Software	: Provided by the customer. All our machinery works PowerMILL : UG NX, Catia , AUTON

**SAFRAN ROBOTİK SİSTEMLER CNC MAKİNE BİLGİSAYAR SANAYİİ ANONİM
ŞİRKETİ**

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Spindle	: 15 kw (S1) 24 000 rpm hsd spindle motors the liquid cooled with : HSK63F tool holder. 8 pcs tools on the rotary tool magazine.
C-A Tilt head	: C axis +/- 220 degree ; A axis +/- 100 degree : precision +/- 6 arcsec, repeatability +/- 1 arcmin on the C axis, : +/- 2 arcmin on the A axis. Omlat double rotation head.
Accuarcy	: On the working part at the total length of machinery +/- 0,100 mm : Positioning accuarcy on the all axis +/- 0,010 mm
Lubrication	: There is one central lubrication system is equipped with an : automatic lubrication an electrical pump.
Safety	: Safety protections accordiring to EC standards on machinery. : Machinery directory : Direction of low tension : Direction of electromagnetic compatibility
Supply Voltage	: 380 V AC +/- 5 % Standard : 50/60 hz : 3PH + N + PE
Electrical Cabinet	: IP 55 degree of the protection : Equipped with an air-conditioning unit.
Dust hood for routing unit	: Hood all-around the head unit with two position vertical adjustment.
Mobile central saftey shield	: It consist of a mobile transparent polycarbonate safety central Shield to protect operator against material ejection.
305 m3/h vacuum pump	: Standard vacuum pump capacity 305 m3/h motor power at 50 hz 5,5 kw
Souece of the materials	: Control system Siemens – GERMANY : Lineer guideways - THK Japan : Planet Reducer - Alpha Germany : Spindle motor - HSD Italy : 5 axis head – HSD Italy : Servo motors – Siemens Germany

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MoonCAM CNC System components and technical informations



HSD 5 AXIS HEAD



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