

S.No	Description	Qty
	Swiss Type CNC Turning Centre	01 set
1	Capacity	
	Max. machining diameter	Ø16~20mm
	Max machining length	180~240mm
2	Travel	
	X1 Axis travel	90~200
	Z1 Axis travel	190~350mm
	Y1 Axis travel	250~350mm
	X2 Axis travel	250~350 mm
	Z2 Axis travel	190~350mm
	Y2 Axis travel	40 ~70mm
	Z1 Y1 X2 Z2 Axis rapid traverse	30 m/min
	Y2 Axis rapid traverse	15 m/min
	X1 Axis rapid traverse	24 m/min
3	Spindle	
	Hole through spindle	Ø 26 mm
	Spindle speed	10,000 rpm
	Spindle motor	≥2.2/3.7 k.w
	Sub spindle max. speed	8000 rpm
	Sub spindle motor	≥1.7/2.2 kw
4	Front Machining capacity.	
	Minimum No. of tool station	OD:6/ID:5-10/Y1:5-10/Y2:6-10
	Tool size (square)	12
	Boring operation	Required
	Live tool holder size	ER-16
	Live tool motor speed	≥7500 rpm
	Live tool motor	≥0.75 kw
	Live tool drilling, tapping and milling capacity.	Required
5	BACK MACHING CAPACITY.	
	Static live drilling and tapping	Required
6	CONTROLLER	
	Fanuc control including "Manual guide I"	Latest Fanuc controller
7	POWER SUPPLY	
	Mains	400V±10%(360v~440V), 3 phase, 50 Hz
8	REQUIRED ACCESSORIES	
	Deep hole drilling option	
	Guide bush unit	
	Sub spindle air blow unit	
	6-station OD tool holder	
	6-spindle sleeve holder	
	2-spindle front sleeve holder (for deep hole)	
	Sub spindle air purge	
	Automatic bar feeder interface	
	Parts catcher	
	Parts conveyor	
	Chip conveyor with trolley	
	Chip box	
	Long parts ejector with guide tube	
	Live tool holders for main and sub spindle	
	Transformer	
	Regulator	

	High pressure coolant unit	
	Bar feeder	
	Oil mist collector	
	Standard tool holder package (Turning + Milling)	
9	MACHINE CONTROL AND WARRANTY	
	2 Years standard warranty of Machine and controller	
10	SPARE PARTS	
	5 years Mechanical spare parts	
	5 years electrical and electronics spare parts	
	Detail of all spares with documentation and prices.	
11	STANDARD DOCUMENTATION (ENGLISH)	
	Hard copies (03 sets)	
	➤ Machine operational Manuals	
	➤ Programming manuals	
	➤ Electrical/electronic maintenance manuals	
	➤ Electrical/electronic detailed parts catalogue	
	➤ Mechanical maintenance manuals	
	➤ Machine assembly and sub n assembly drawing	
	➤ Machine Initialization data and parameter list	
	➤ Alarm messages and fault diagnostics manual	
	➤ Machine test reports	
	Soft copies (01 set)	
	➤ Electrical drawings	
	➤ PLC program lists LADDER/STL	
	➤ Re loadable machine initialization data and machine parameters.	
12	PRE-DELIVERY INSPECTION AND TRAINING	
	At least 02 weeks inspection and training program for 02 engineers would be carried out at manufacturer's premises including installation/commissioning, operation, programming, mechanical and electrical/electronic maintenance.	
	The machine will be rejected if not found in accordance with contract clauses without any liability on the buyer's side.	
13	Packing	
	Packing sea case basic machine and all accessories.	
14	Country of origin: China	
	1) China subject to the following conditions	
	2) Machines from reputable Chinese firms having manufacturing experience of more than fifteen years and must have collaboration with renowned European/USA firms	
	3) Manufacturer must follow international standard of machine accuracy e.g., ISO/VD/equivalent standards.	
	4) Manufacturer must have ISO certification for production of high quality machines	

5) CE compliance certificate must be provided along with quotation

6) DEM certificate must be provided along with quotation

7) Proofs may be attached with quotations.

Note Machine's brochure/catalogue are mandatory with quotations.

Manufacturer's profile should be provided with quotations and manufacturing experience of more than 20 years would be preferred.