SUB-SPINDLE SERIES

Cub SS
LT-2 XL SS

Ace sub-spindle machines are ideally suited for completely finishing parts on the machine. It is developed with the aim of complete finish machining components that need two operations to be done in the same machine without the need for the operator intervention to transfer the component from the first machine to the second.

The machine can be interfaced with the Bar feeder and the component can be finished unmanned subject to the tooling and inspection requirements.

Salient Features for Cub SS

- Compact foot print
- Cartridge type spindle with maximum speed upto 6000 rpm (optional)
- 12 station bi-directional tool turret
- 20 m / min rapid traverse on all three axes
- Bar feeder interface
- Hardened and ground dove tail guide way on B axis

CUB SS

LT-2 XL SS

Salient Features for LT-2 XL SS

- Rigid casting with hardened & ground box ways on both axes
- Cartridge spindle design
- Built- in spindle drive for sub-spindle
- 12 station bi-directional tool turret
- Bar feeder interface
- Hardened and ground dove tail guide way on B axis

Description	Unit	CUB SS	LT-2 XL SS
CAPACITY			
Bar diameter	mm	25 (28)	51
Work holding		Collet system	200 mm chuck
Spindle type		Cartridge	Cartridge
Main spindle nose		Flat Nose Ø110 (A2-5)	A2-6
Spindle bore	mm	36 (47)	63
Front bearing bore	mm	60 (80)	100
Spindle power (Cont./30min. rating)	kW	3.7/5.5	7.5/11
Spindle speed max.	rpm	4000	4000
TOOLING			
Tooling type		Bi-directional Turret	Bi-directional radial Turret
Max. No. of tools		12	12
Max. boring bar Dia.	mm	25	32
OD turning tool size	mm	20x20	20
AXES			
X - axis stroke	mm	87	230
X- axis rapid rate	m/min	20	20
Z - axis stroke	mm	200	500
Z- axis rapid rate	m/min.	20	20
SUB SPINDLE			
B - Axis stroke	mm	206	480
B - Axis rapid rate	m/min.	20	20
Spindle power (Cont./30min. rating)	kW	1.5/2.2	5.5/7.5 (Direct drive)
Work holding		Collet system	165 mm chuck
MISCELLANEOUS			
CNC system		Fanuc OiTC	Fanuc OiTC
Overall dimensions	mm	2300 x 1225 x 1880	2950 x 1800 x 1825
Machine weight	kg	2450	4000

Note: Figures in brackets are optional