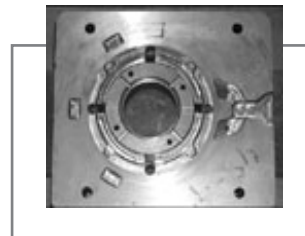
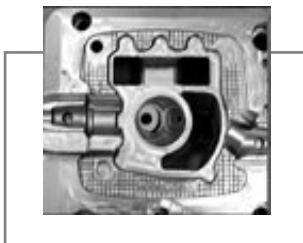


Arjun 850

CNC Vertical Machining Center



*The photos are only indicative. For details always refer specifications.

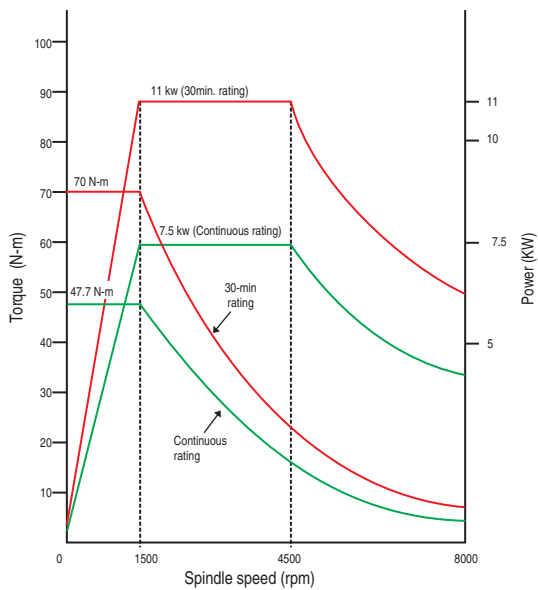
Arjun 850

CNC Vertical Machining Center

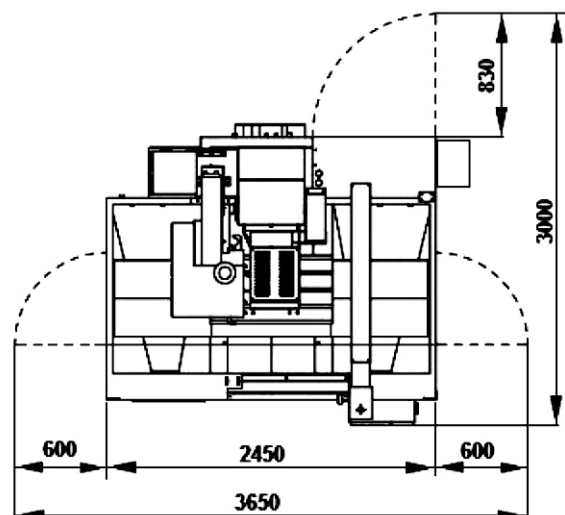
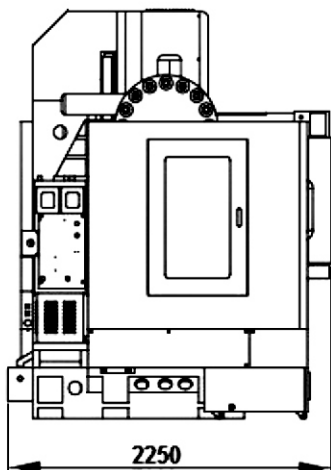
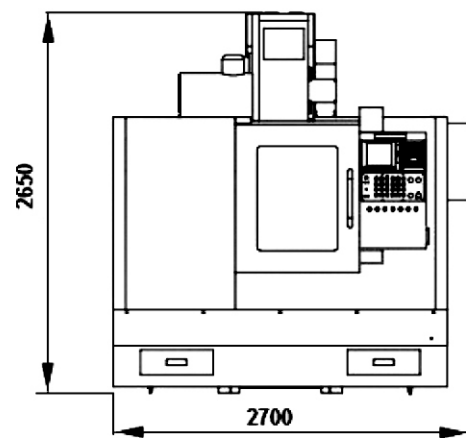
- State of the Art technology
- Adherence to stringent performance parameters
- High speed, High Acceleration latest CNC Controller
- Superior flexibility and versatility
- Compact Footprint
- Electronica's world class engineering & design backed by all India Sales & Service network



Power - Torque Diagram



Machine Dimensions

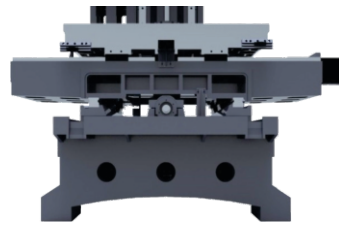


Advantages



RIGID, DISTORTION PROOF COMPOSITE MAGAZINE COLUMN -

- Effectively avoid the different alignment of tools and spindle



WIDE BASE BED WITH LARGE SPAN GUIDEWAYS -

- Ensures higher rigidity



AUTO TOOL CHANGER - DISC TYPE HIGHSPEED TOOL MAGAZINE

CNC FUNCTIONS & FEATURES	M70B	M80A
Display	8.4" COLOR TFT LCD	8.4" COLOR TFT LCD
Maximum feed axes	3(5)	3(8)
Number of simultaneously controllable axes	4	4
Minimum input increment	0.001 Micron/0.001Deg	0.001 Micron/0.001Deg
Spindle speed function	5-digit S code	5-digit S code
Spindle speed override	"50% - 120%(in steps of 10%)"	"50% - 120%(in steps of 10%)"
Feed override	150%(in steps of 10%)	150%(in steps of 10%)
Inch-mm conversion	S	S
Part programme storage length	500KB	500KB
Number of part programmers	1000	1000
Number of sub-programme call levels	8 Layers	8 Layers
Number of tool offsets	400 Sets	400 Sets
Programme number/sequence number search	S	S
Number of look-ahead function blocks	168	1350
Single block	S	S
0 stop	S	S
Dry run	S	S
DNC operations	RS232/CF I/F	RS232/SD I/F
Run hour and part count	S	S
3S function	NA	S
Help function	S	S
Graphic display	S	S
Embedded Ethernet	S	S
Front USB interface	S	S
Fast Ethernet/data server	S	S
Machining condition selection system	S	S
High speed skip or probe function	S	S
Linear interpolation	S	S
Circular interpolation	S	S
Helical interpolation	S	S
Absolute/incremental programming	S	S
Tool radius compensation	S	S
Canned cycles for drilling and milling	S	S
Work-piece co-ordinate system	56 PAIRS	56 PAIRS
Background editing	S	S
Backlash compensation	S	S
Pitch error compensation	S	S
Polar co-ordinate	S	S
Scaling, mirroring	S	S
History of operator alarms and messages	S	S
Look-ahead function	S	S
Custom macro B/ parametric programming	S	S
Simple tool life management	S	S
Multi-language display	S	S
Programme restart/block search in CF card	S	S
Programme Edit in CF/SD card	S	S
Nano interpolation	S	S
Manual pulse generator	S	S
Automatic data back up	S	S
Cylindrical interpolation	S	S
Spline interpolation	NA	S
Cutter compensation	S	S
4" axis	O	O
4" and 5" axis	O	O
AC servo drives	S	S
AC variable speed spindle motor	S	S

S : Standard, O : Optional, NA : Not Applicable

Technical Specifications :

Parameter	Features	Unit	Arjun-850
Travel	X-axis travel	mm	850
	Y-axis travel	mm	500
	Z-axis travel	mm	550
	Spindle nose to table surface	mm	150 ~ 700
Table	Table Dimension (LxW)	mm	1000 X 500
	Maximum Load	kg	800
	Distance from floor to table	mm	900
	Distance from spindle center to column face / Z telescopic cover	mm	590 (525)
	T- slots size		18mmx5x100mm
Spindle	Spindle speed	rpm	8000
	Spindle power (cont/30 min)	kW	7.5/11 (11/15)
	Spindle taper		BT-40 (BT-50)
Feed rate	X-axis Rapid traverse	m/min	36
	Y-axis Rapid traverse	m/min	36
	Z-axis Rapid traverse	m/min	24
	Cutting feed rate	m/min	10
Automatic Tool Changer	Type		Arm Type
	Number of tools		24
	Maximum tool length	mm	250
	Maximum tool weight diameter with adjacent pocket full/empty	kg	8
		mm	75/150
Accuracy as per ISO 230-2	Positioning accuracy	mm	0.01
	Repeatability positioning accuracy	mm	0.006
Installation data	Machine dimensions LxWxH	mm	2700x2250x2650
	Pneumatic pressure	kg/cm ²	6
	Total connected load	KVA	22
	Machine weight	kg	@5000
CNC controller	Mitsubishi M80		

Standard & Optional Accessories	Arjun 850	
	Standard	Optional
AC servo drives	✓	
AC variable speed spindle motor	✓	
Hardened and ground linear motion guide-ways	✓	
Feedback through absolute encoder	✓	
Automatic tool clamping-unclamping	✓	
Centralised automatic-lubrication	✓	
Basic coolant system with chip tray at the front	✓	
Telescopic covers with wipers	✓	
Full machine guard	✓	
Electronic counterbalance	✓	
Manual pulse generator	✓	
RS 232 serial interface	✓	
Levelling pads	✓	
10,000 rpm spindle with chiller unit		✓
Higher spindle power (11kw / 15 kw)		✓
Chip conveyor in lieu of chip tray		✓
2/3 axis linear glass scale feedback		✓
16 bar coolant through spindle		✓
AC for electrical cabinet		✓
Provision for 4" and 5" axis rotary table		✓
200 mm diameter 4" axis rotary table		✓
Voltage stabiliser		✓
Ultra isolation transformer		✓
Coolant gun		✓
Air gun		✓
Ring coolant around spindle		✓
Edge finder		✓
Table mounted Tool Length measurement System		✓



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An ISO 9001:2008 Certified Organization

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