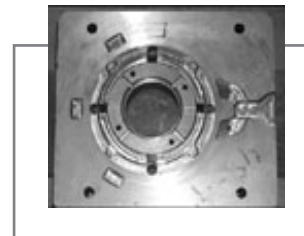
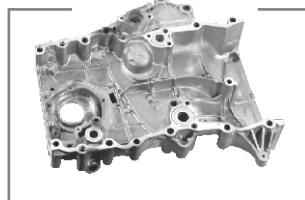
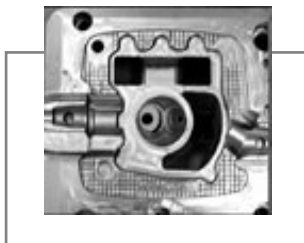


# Arjun 650

CNC Vertical Machining Center



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

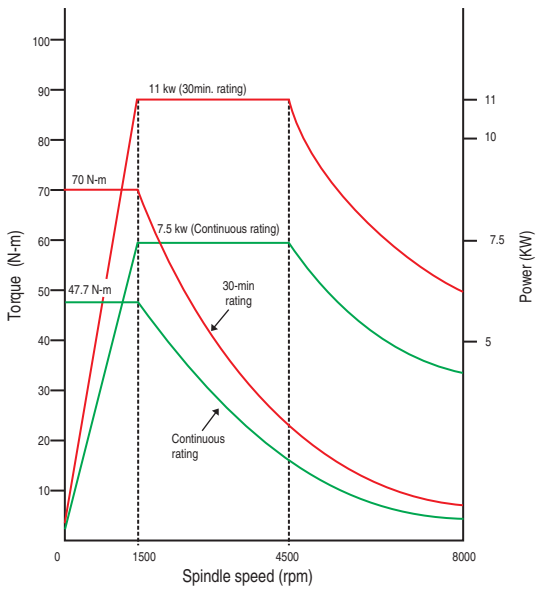
# Arjun 650

CNC Vertical Machining Center

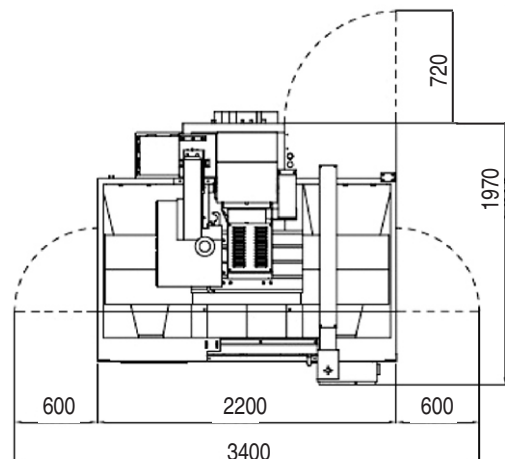
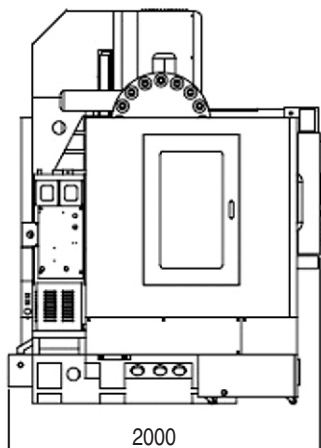
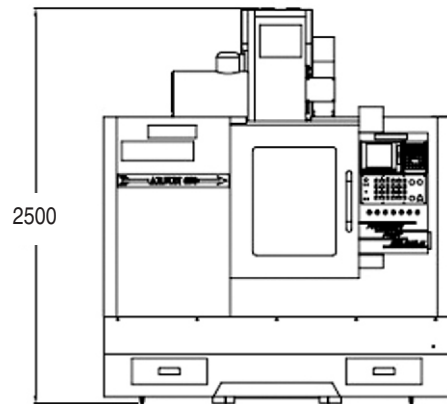


- State of the Art technology
- Adherence to stringent performance parameters
- High speed, High Acceleration latest CNC Controller
- Superior flexibility and versatility
- Compact Footprint
- Electronica's world class engineering & design backed by all India Sales & Service network

## Power - Torque Diagram



## Machine Dimensions

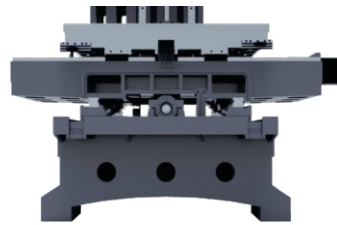


## Advantages



**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
O 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	Unit	Arjun-650
Travel	X-axis travel	mm	650
	Y-axis travel	mm	450
	Z-axis travel	mm	500
	Spindle nose to table surface	mm	150-650
Table	Table Dimension ( LxW)	mm	800x450
	Maximum Load	kg	600
	Distance from floor to table	mm	820
	Distance from spindle center to column face / Z telescopic cover	mm	525 / 460
	T- slots - SIZE / NO / PITCH		18mmx3x110mm
Spindle	Spindle speed	rpm	8000
	Spindle power (cont/30 min)	kw	7.5/11
	Spindle taper		BT-40
Feed rate	X-axis Rapid traverse	m/min	36
	Y-axis Rapid traverse	m/min	36
	Z-axis Rapid traverse	m/min	24
Automatic Tool Changer	Cutting feed rate	m/min	10
	Type		Arm Type
	Number of tools		24
	Maximum tool length	mm	250
	Maximum tool weight	kg	8
	Maximum tool diameter with adjacent pocket full/empty	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	2200x2000x2500
	Pneumatic pressure	kg/cm2	6
	Total connected load	KVA	22
	Machine weight	kg	@4000
CNC controller	Mitsubishi M80 A (M70B/Fanuc 0iMF)		

Standard & Optional Accessories	Arjun 650	
	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	✓	
10,000/12,000 rpm spindle with chiller unit		✓
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		✓



www.electronicagroup.com

## Electronica India Limited

An ISO 9001:2008 Certified Organization

Regd. office : Poddar HMP House, 4, Fairle Place, Kolkata - 700001, India, CIN : U31908WB2013PLC193545  
Tel. : +91 33 22310268, Fax : +91 33 22 436966, Email : info@electronicagroup.com

Works : 608 / 609/1, Pune Pandharpur Road, Saswad, Taluka - Purandhar, Dist Pune - 412301  
Maharashtra (India), Email : works@electronicagroup.com

Central Marketing Office :

Pune : +91 9371068459 / 8335838555, E : customercare@electronicagroup.com