TITAN®

"Today's need to control the future..."

CNC MILLING/MACHINING CENTERS

	GANTRY MILLING 654 / MACHINING CENTRE	MINI MILL 423 CNC MILLING/ ENGRAVING MACHINE
Mechanical		
X axis travel	650mm + 180mm for ATC	400mm
Y axis travel	500mm	250mm
Z axis travel	400mm	300mm
Table size	700mm * 500m.m.	450mm * 300 mm
T slot size	14mm * 3	11mm * 3
Spindle		
Spindle option 'A'	Bt40	Bt40
Spindle speed	Std. 6,000 RPM	6,000 RPM options 8,000 RPM
Spindle option 'B'	Bt40	ER16 collet
Spindle speed	8Krpm,10Krpm	High Frequency 15,000 Rpm
Spindle power	2.2 KW standard, options 5 KW	1.2 KW
Spindle bearings	Super precision P4 grade	Super precision P4 grade
Spindle motor	AC Brushless	AC Brushless
Spindle drive	Variable Vector Power	Variable Vector Power
Milling head	-	90 degree
Linear Guideways	X.Y & Z Axis size 35mm	X, Y & Z Axis size 25mm
Ballscrews	Ground C3, 32mm diameter	Ground C3, 25mm diameter
Slides	Cast iron precision ground	Cast iron precision ground
Tool Release	Pneumo Hydraulic	-
Accuracy		
Positioning	0.010mm	0.010mm
Repeatability	0.005mm	0.005mm
Resolution	0.001mm	0.001mm
ATC	Umbrella type 12 tool standard	

TITAN CNC CONTROLLER OR FANUC/SIEMENS/FAGOR OPTIONS

TITAN CNC Controller Servoglide 6000

- 3D Contouring Power with 2000 Block Lookahead upgradeable
- Graphics -- Inbuilt with see while you machine toolpath graphics
- 15" color digital monitor for clear large Graphic Simulation
- Open Architecture Flexibility and obsolescence protection by use of PC technology, 64bit CNC Control Chipset Technology
- Intel Pentium Series Processor Industrial Grade Motherboard.
- Parallel Processing High performance and modularity 4 Microprocessors for 3 Axes system
- 512 Megabytes RAM installed upgradeable
- CAM -- Integrates with all standard 3D CAM softwares
- Linear and Circular Interpolation capable of 3 Dimensional Simultaneous Movement
- Upgradeability -- 4 Axis ready control
- Canned Cycles -- Built in Bolt hole drilling, Peck drilling cycles
- Tool Offset Table -- 100 tools,Work offset table
- Standard G & M Codes
- Editor -- Wordprocessor style
- Programs -- Superlative Program Storage capacity, Programs by Name or Number
- Capability to store over 10000 CNC Part Programs
- Jog Menu
- Online Help
- Command type Absolute and Incremental
- Automatic Homing
- Entire unit is housed in an Industrial Grade Cabinet and does not require Air Conditioning
- USB memory stick data transfer