



## TITAN CNC MILLING 744

Nitrogen Counterbalanced for smooth Z axis 3D machining

### Mechanical

X axis travel	:650mm
Y axis travel	:500mm
Z axis travel	:400mm
Table size	:700mm * 500 m.m.

### Spindle

Spindle speed	:6,000 R.P.M.
Spindle power	:2,2Kw
Spindle type	:BT40
Spindle bearings	:Super precision P4 grade
Spindle motor	:AC Brushless
Spindle drive	:Variable Vector Power
Milling head	:90 degree
Tool release	:Pneumo Hydraulic
Linear Guideways	:X.Y & Z Axis size 35mm
Ballscrews	:Ground C3, 32mm diameter
Slides	:Cast iron precision ground

### Accuracy

Positioning	:0.010mm
Repeatability	:0.005mm
Resolution	:0.001mm

### Controller

- TITAN CNC Controller with ISO EIA RS274-D G & M codes
- PC based 32 Bit Microprocessor technology
- Digital Servo Motors X,Y,Z Axis
- Digital servo drives with Feed Forward
- Simulated tool path display
- Rapid, Linear, Circular and 3D Interpolation
- 3D Contouring with 3D Lookahead
- Jog menu, Work offsets
- Programmed feedrate control
- Clockwise and counter-clockwise spindle direction
- Graphic display 15" colour monitor
- Automatic homing
- 4<sup>th</sup> Axis capable
- Programmable Coolant by M code
- Spindle rpm by S number
- USB memory stick transfer from CAM software to machine
- Power loss feature with auto restart

