

## CNC Rotary Tables from High Gain



Compact units with built in drive motors fully protected by pressurisation.



High mechanical strength derived from monoblock construction from special alloy.



Backlash elimination from variable pitch wormscrew.



High Accuracy with direct mounted Renishaw encoder giving 2,5 second repeatability.



# High Gain Technology

## CNC Rotary Tables

LCM is Italy's leading manufacturer of CNC rotary tables where both single and 2 axis versions are available.

Their latest innovative technology incorporates an electro spindle built into a swivel milling head for high speed 5 axis machining.

A range of special tables and accessories are also available.

All LCM units are sold and installed in the UK by High Gain.

LCM units are characterised by their compactness, precision and reliability.

High Gain offers 4 or 5 axis conversions for conventional machining centres and milling machines.



Phone 07861233930

Email [info@highgaintechology.co.uk](mailto:info@highgaintechology.co.uk) web [www.highgaintechology.co.uk](http://www.highgaintechology.co.uk)

# CNC Rotary Table Specifications

MODELS	BSC-125	BSC-200	BSC-250	BSC-320
DIAMETER OF WORKPIECE ROTATION DISK	∅ 125	∅ 198	∅ 248	∅ 318
DIMENSION OF THE BAR PASSAGE HOLE	∅ 28 THROUGH HOLE	∅ 42.5 THROUGH HOLE	∅ 72 THROUGH HOLE	∅ 81 THROUGH HOLE
TEE SLOT DIMENSION	2X6 H7	3X9.7	4X11.7	6X13.7
ROTATING AXIS BRAKING	250Nm	400Nm	600Nm	1000Nm
TILTING AXIS BRAKING	400Nm	600Nm	1000Nm	1600Nm
MAX. WORKING TORQUE	124Nm	194Nm	254Nm	630Nm
MAX. ROTATION SPEED	6000* <sub>min</sub>	6000* <sub>min</sub>	6000* <sub>min</sub>	4000* <sub>min</sub>
MIN. ANGLE MOVEMENT	0.001°	0.001°	0.001°	0.001°
MOVEMENT ACCURACY	±15"	±15"	±15"	±15"
REPEATABILITY	±10"	±10"	±10"	±10"
MAX. THRUST "G" DIRECTION	KG.200	KG.360	KG.600	KG.840
MAX. THRUST "F" DIRECTION X L=250mm	KG.60	KG.120	KG.200	KG.350
INCLINATION	-10°-110°	-10°-110°	-10°-100°	-10°-100°



MODELS	TDE-125	TDE-200	TDE-250	TDE-320
DIAMETER OF WORKPIECE ROTATION DISK	∅ 125	∅ 198	∅ 248	∅ 318
DIMENSION OF THE BAR PASSAGE HOLE	∅ 28 THROUGH HOLE	∅ 42.5 THROUGH HOLE	∅ 72 THROUGH HOLE	∅ 81 THROUGH HOLE
TEE SLOT DIMENSION	2X6 H7	3X9.7	4X11.7	6X13.7
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MIN. ANGLE MOVEMENT	0.001°	0.001°	0.001°	0.001°
MOVEMENT ACCURACY	±15"	±15"	±15"	±15"
REPEATABILITY	±10"	±10"	±10"	±10"
MAX. THRUST "G" DIRECTION	KG.250	KG.400	KG.650	KG.900
MAX. THRUST "F" DIRECTION X L=250 mm	KG.100	KG.140	KG.200	KG.250



## Accessories



WITH HANDWHEEL



PNEUMATIC



SELF-CENTERING CHUCKS



DIRECT ENCODERS



# Special CNC Rotary Table Assemblies



Machining centre with 2 axis table plus electro spindle for high speed 5-axis machining



Special table with 4 built in swivel and rotate tables



Swivel rotary milling head with built in electro spindle for high speed 5-axis machining

