

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.



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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* _{min} | 6000* _{min} | 6000* _{min} | 4000* _{min} |
| 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 |
| ROTATING AXIS BRAKING | 250 Nm | 400 Nm | 600 Nm | 1000 Nm |
| MAX. WORKING TORQUE | 124Nm | 194Nm | 254Nm | 634Nm |
| MAX. ROTATION SPEED | 6000* _{min} | 6000* _{min} | 6000* _{min} | 6000* _{min} |
| 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



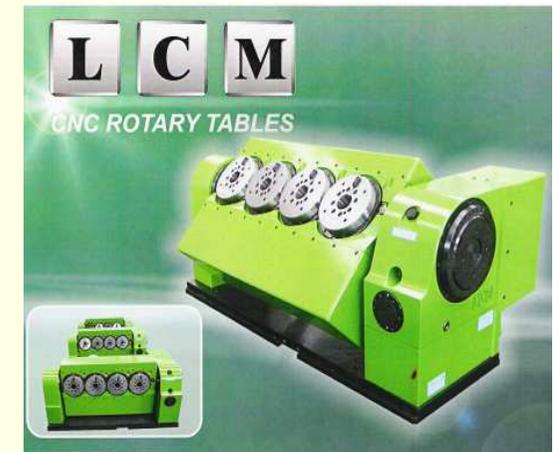
DIRECT ENCODERS



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

