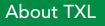
HIGH PERFORMANCE HEAVY DUTY CNC TURNMILL CENTER



Tek

TXL-70.30

TXL - 7030



TXL family of Turning Centre combines high capacity metal removal with high level of accuracy, rigidity and stability. Generally conceived and executed to match any imported machines.

45° slant, Torque tube structure poly concrete filled mehanite casting with generously dimensioned hardened ground guideways ensures the best dimensional accuracy and surface finish in normal and hard part turning. The machine is suitably built for hard part turning also.

Salient Features

- A₂15" Main Spindle with bearings from FAG, Germany filled with poly kluber grease for life.
- ZARF Axis bearings from INA, Germany for Axis rigidity and high level of Accuracy.
- 'C_0' and "C_1", High Precision ballscrews from Tsubaki, Japan for 'X' and 'Z' axis .
- Main Spindle drive with High Performance ZF Gear Box and poly 'V' belt for vibration free Spindle running.
- Fast indexing large 320 size DUPLOMATIC SERVO LIVE TOOL TURRET with VDI-60 DISC
- 'X' and 'Z' axis movements by High Performance Siemens 1FT6 motors with encoder on the ballscrews.

CNC TURNMILL CENTER SPECIFICATION TXL-7030 TURNMILL



Capacity

Type of Bed / Type of guideway Swing Over bed Max Turning Diameter Max Turning Diameter Between Center Max Turning Length Max Cutting Force Chuck Size

Main Spindle

Spindle Nose - DIN 55026 Spindle Diameter Spindle Bore Taper Hole Through Spindle Spindle Speed Range Spindle Power (Conti/30 mins) Max Torque on Spindle Spindle dia at Front Bearing

C' Axis

C' Axis Indexing C' Axis Maximum Speed C' Axis Torque on Spindle

X Axis

Axis Travel Ball Screw Dia x Pitch Axis Motor Torque Rapid Traverse Rate

Z Axis

Axis Travel Ball Screw Dia x Pitch Axis Motor Torque Rapid Traverse Rate Slanted 45° / Box 900 mm 900 mm 700 mm 3200 mm 1000 kgf 630 mm

A2-15" 380 mm Metric 160 145 mm 20 - 1500 rpm 39/58 kw 4000 / 4800 Nm 200 mm (P4)

0.001° deg 50 rpm 1000 Nm

510 mm 40 x 10 mm 27 Nm 12 m/min

3200 mm 50 x 10 mm 27 Nm 12 m/min

Turret

Turret Type (Servo) No. of Stations Tool Shank Size for turning Boring Bar Size Turret Indexing Time for 30° / 45°

Live Tool

Milling Motor Power Milling Spindle Torque Max Speed of Milling Spindle Collet Size No. of Live Tools Max Milling Dia Max Drilling Dia Max Tapping Dia

Tail Stock - Servo Axis

Tailstock Quill Diameter Tailstock Quill Stroke Tailstock Quill Thrust Taper in built-in Rotary Spindle Tail Stock Servo Travel (Programmable) Max Weight of Workpiece

Accuracy (As per VDI DGQ 3441)

Positioning Uncertainity (P) X/Z Repeatability (Ps Medium) X/Z

Other Specification

CNC System (Controls) Total Connected Load Machine Length Machine Width Machine Height Machine Weight Noise Level of Machine VDI 50 / VDI 60 12 / 8 32 x 32 mm Ø60 mm 0.58/0.74 secs

13 Kw 130 Nm 3200 rpm Ø34 (ER-50) 6 nos 40 mm 30mm M30

180 mm 150 mm 3000 kgf MT6 3100 mm 3000 kgs

0.010 / 0.020 mm 0.005 / 0.008 mm

Siemens 840D SL 75 KVA 7500 mm 2800 mm 2900 mm 25000 kgs. 65 db

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