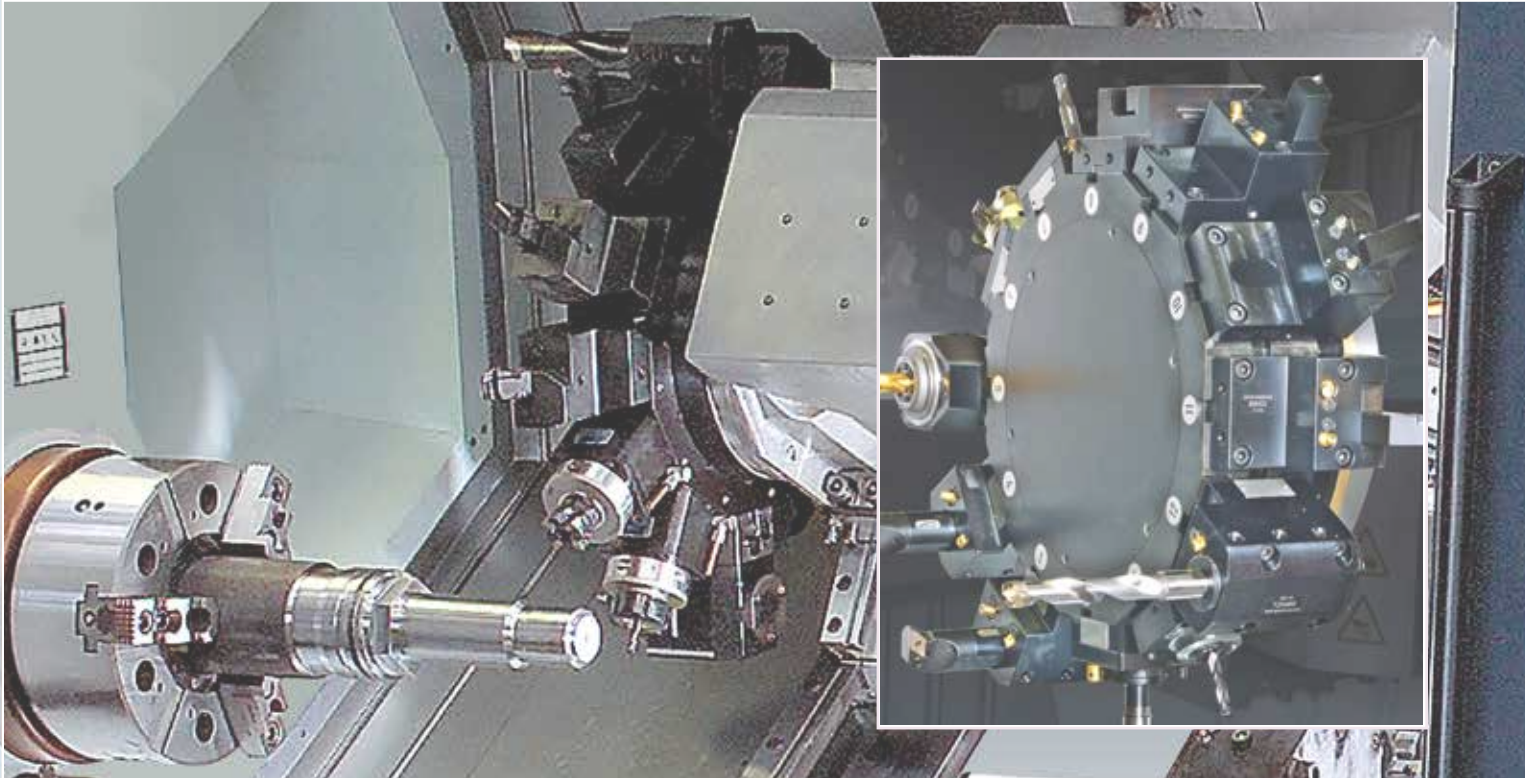


Win With Technology

Eurotech TC800

Box Way Construction, Up to 4.33" Bar Capacity!



- High Rigidity
- Large Bar Capacity
- Huge Live Tool Horsepower
- Long Bed Models Available



"I researched the market for roughly 5 years before making the decision to invest in what I thought was the best option on the market. We operate in a close tolerance, complex machining environment and I felt the Eurotech machines would provide us with the repeatability, durability and horsepower required to excel in our demanding markets. We have invested in 4 Eurotechs."

- Ron Gronback, Owner of PDQ

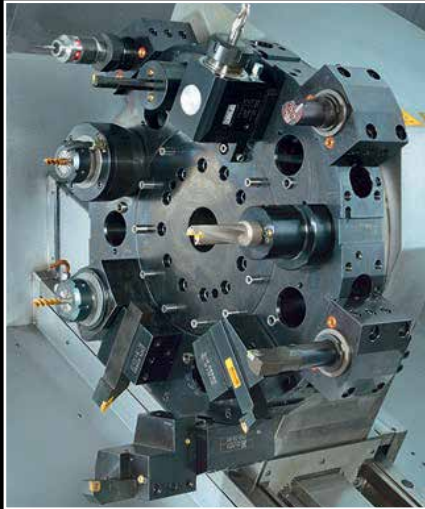


E EUROTECH

Technology - Runs Faster Sleeps Less

In this competitive one-world economy we cannot afford to invest in less productive, more expensive equipment!

Machine Highlights



Turret VDI50 of TC800-MC

Available with or without driven tools and Y axis

Ideal for Hard Turning and Heavy-Duty Cutting

2 large panoramic windows to the working area *

Chip conveyor as standard



Real slant bed design for optimised chip fall

Toolsetter and tailstock as standard

Small distance between operator and chuck

Latest control system:
Siemens 840D-SL, Fanuc 32iT

Machining of bars

Rigid
Stiff
Durable
Precise
Universal

Servo turret with
toolholder
VDI50/VDI40/BMT65

Up to 16 driven tools

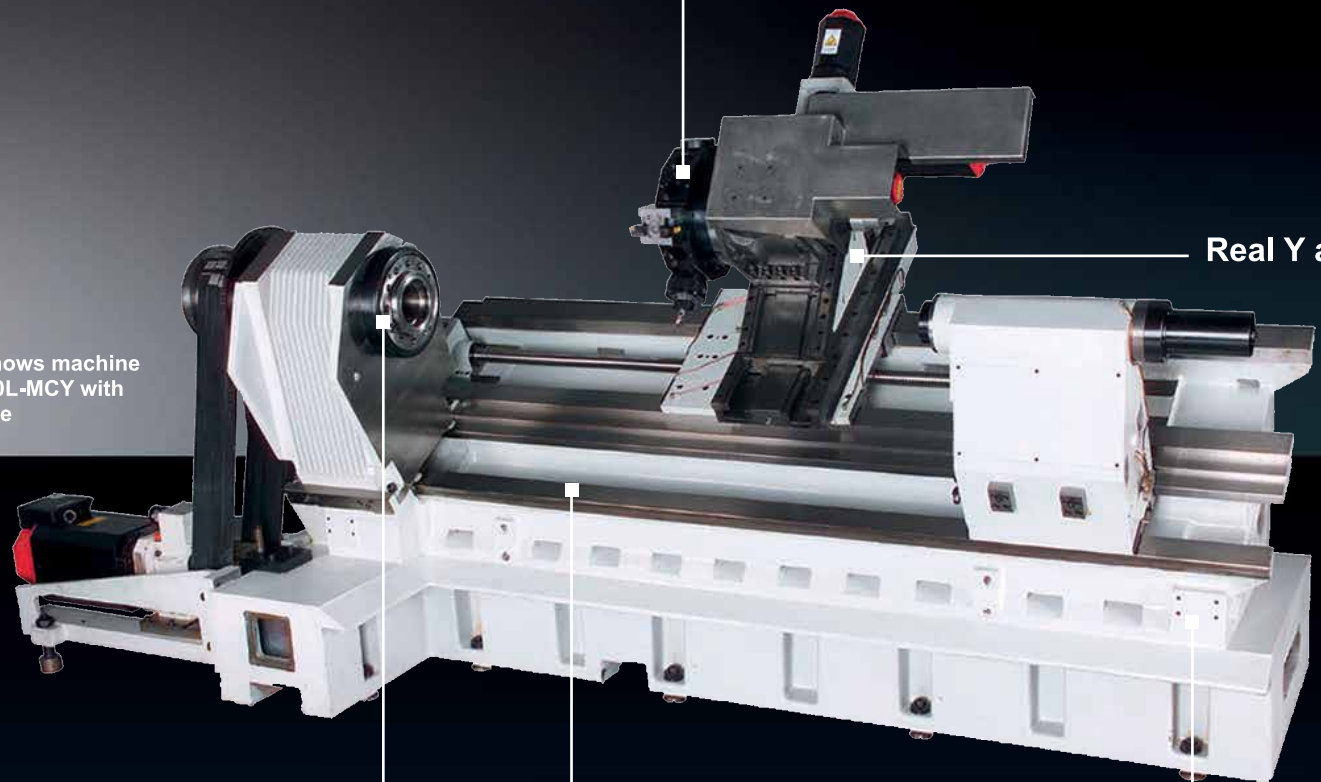
Real Y axis

Picture shows machine
TC800-110L-MCY with
beltspindle

Rigid machine
base as a one-
piece casting

Dynamic motorspindle
with 85 mm bore or
powerful beltspindle with
gear and 110 mm
bore for high torque

Hardened and ground sliding
guideways for best vibration
damping



Working area	TC800-85	TC800-110 / TC800-110L
Swing diameter	~31.5 in	
Max. turning diameter	~19.7 in	
Max. turning length	35.4 in	35.4 in / 62.2 in (L)
X-axis	14.2 in	
Y-axis (option)	+2.56 in / -2.17 in	
Z-axis	35.4 in	35.4 in / 62.2 in (L)
Axes		
Rapide traverse X / Z	590 / 945 IPM	
Spindle 1		
Max. spindle speed	3.400 rpm	2.600 rpm
Spindle nose	A8/DIN	A11/DIN
Chuck diameter	9.84 in (optional 12.4 in)	12.4 in (optional 15.8/19.7 in)
Spindle bore	3.35 in	4.33 in
Performance P _{max}	127.4 HP	84.5 HP
Torque M _{max}	686 lb/ft	Gear range 1: 1660 lb/ft Gear range 2: 415 lb/ft
Spindle 2		
Max. spindle speed	5.000 rpm	
Spindle nose	A6/DIN	
Chuck diameter	8.27 in	
Performance P _{max}	32 HP	
Torque M _{max}	111 lb/ft	
Turret		
Number of tool stations	12xVDI50 / (optional 16xVDI40/12xBMT65)	
Number of driven tools (option)	12 (8/12)	
Toolholder	VDI50 (optional VDI40 / BMT65)	
Max. speed of driven tools	4.000 rpm	
Performance P _{max}	50 HP	
Torque M _{max}	55 lb/ft	
General indications		
Dimensions (L x W x H) ¹⁾	185 x 78 x 83 in	195 / 226 x 78 x 82 in
Weight ²⁾	~15,432 - 16,535 lb ³⁾	~15,432 -16,535 lb / ~17,637 -18,739 lb ³⁾

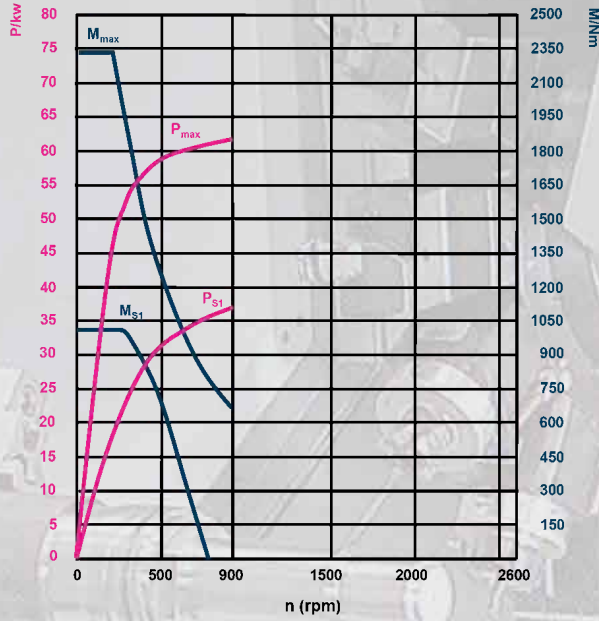
1) See floorplan

2) Machine net weight SMCY

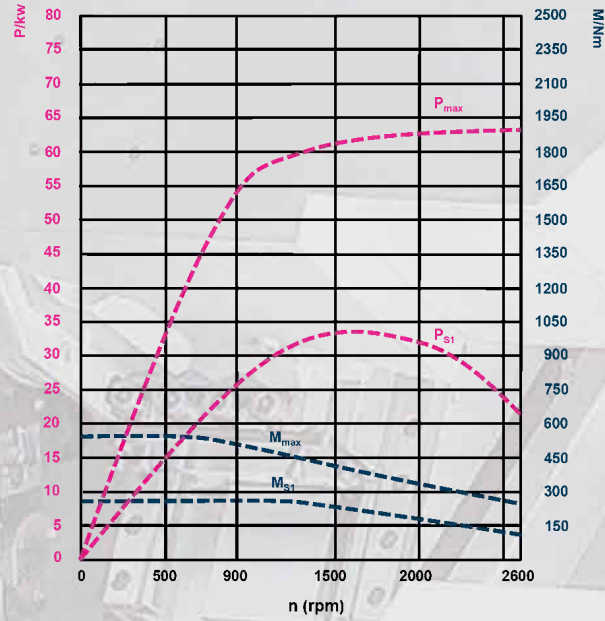
3) According to the equipment

Main spindle TC800-110 2.600 rpm; gear range 1 and 2

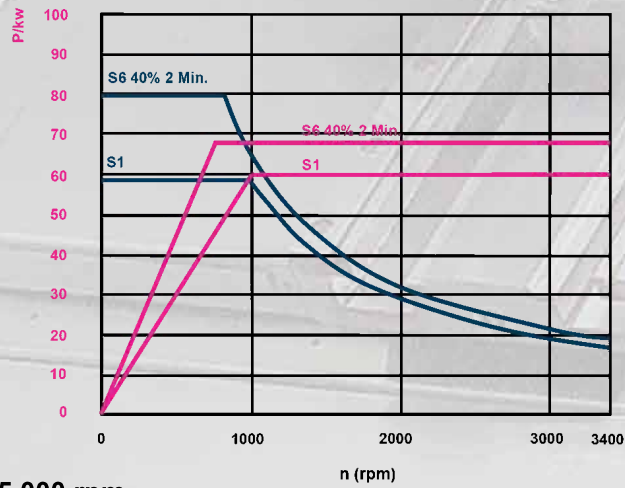
Gear range 1



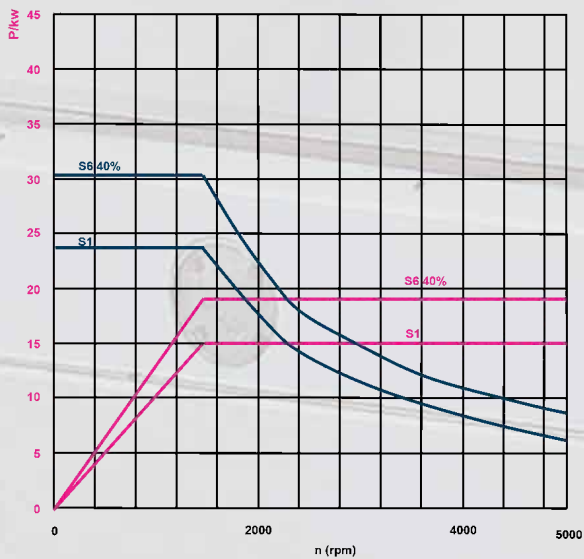
Gear range 2



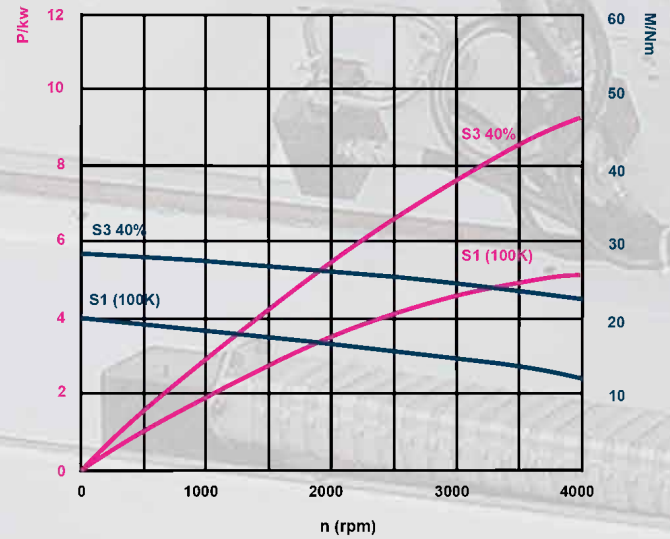
Main spindle TC800-85 3.400 rpm



Sub spindle 5.000 rpm



Driven tool



Clamping force control by differential pressure for main spindle and/or sub spindle

Siemens 840D-SL Fanuc 32iT

- Turret disc VDI40 16-position (VDI50 as standard)
- Turret disc BMT65 12-position
- Toolholder package VDI50
- Component measurement by touch probe in turret

Steady rest

Suction unit for coolant mist
Fire extinguishing system

External tool measurement



Clamping system for the workpiece

Bar feeder

Part catcher *

High pressure coolant pump
15/50 bar for tools with internal coolant supply

Automatic door

Glass scale
X-axis / Z-axis

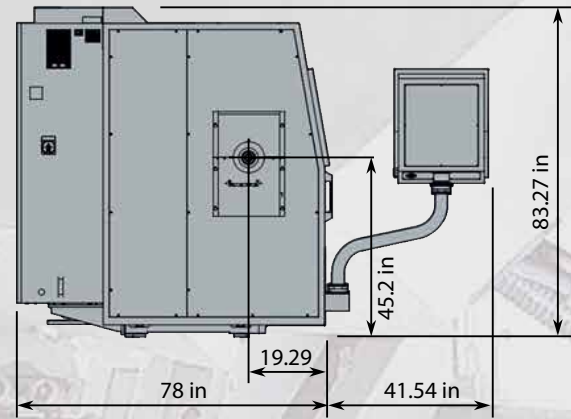
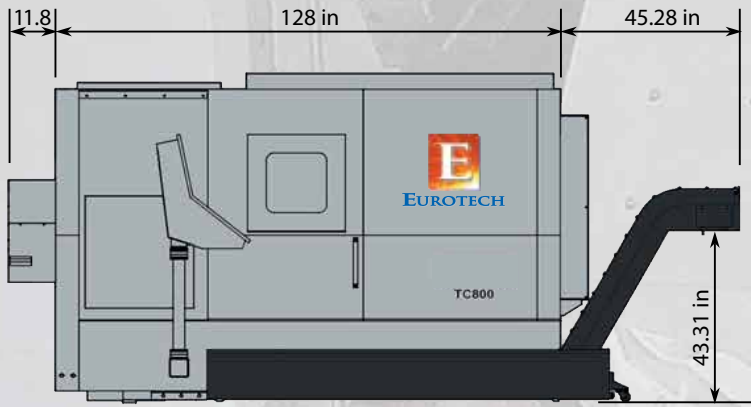
Coolant pistol in the working area



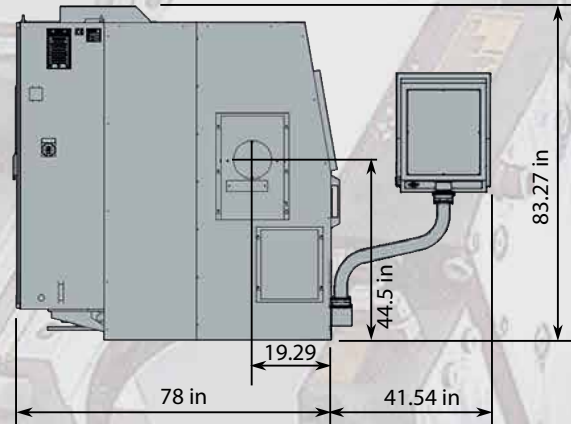
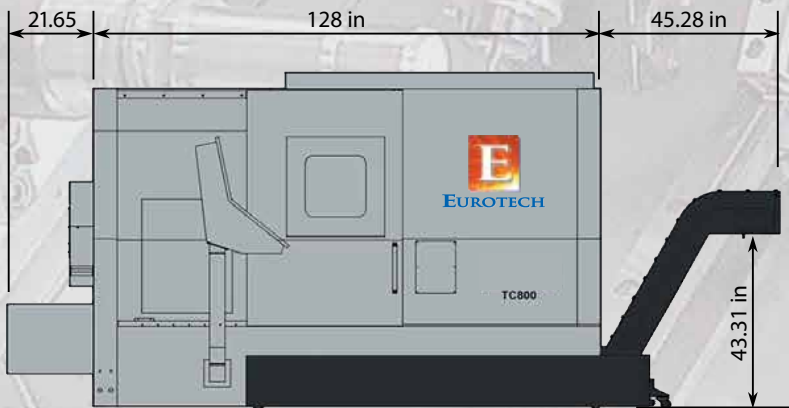
* Part catcher can not be combined with panoramic window

Other options on demand

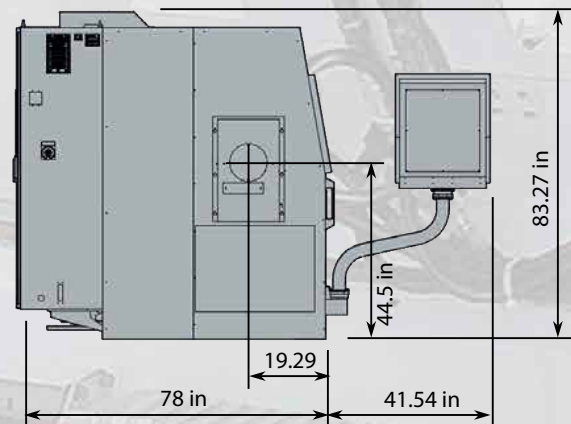
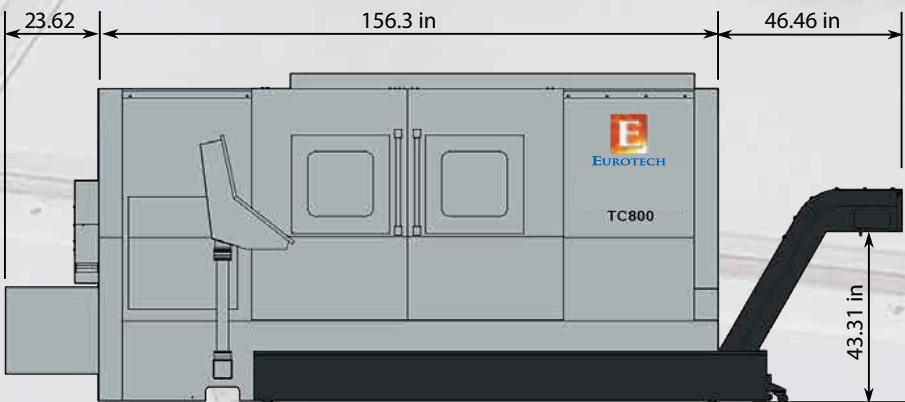
TC800-85




TC800-110



TC800-110L



 Version with standard chip conveyor



EUROTECH



Nationwide Service

Eurotech has nationwide distributors with over 100 service technicians. Eurotech's USA headquarters trains and supports our distributors and customers.

Nationwide Engineering and Training Classes

Eurotech's highly-advanced engineers have established a value that delivers more to our customers' needs than anything else in the industry - by listening to our customers' needs. Some key benefits Eurotech engineers deliver are:

- Factory Certified Training
- Proven to Increase ROI and Cycle Time
- New & Unique Ideas for Parts Processing

EUROTECH

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Technical changes of specifications and pictures are subject to change without notice - Pictures can include options, accessories