

Complete Machine Tools Pty Ltd

8/201 Evans Rd, Salisbury, Qld 4107
Tel: (07)3272 7734 Fax: (07)3272 7735
E—sales@completemachinetools.com.au
W—www.completemachinetools.com.au

www.leadwell.com.tw

LEADWELL
LEADWELL CNC MACHINES MFG.,CORP.

T-6L Series **CNC TURNING CENTERS**



T-6L Series CNC Turning Center

Innovative new design to
outperform previous models

MORE POWERFUL

- Powerful main spindle with high torque and 6000 R.P.M. spindle speed

INCREASED CAPACITY

- 6 inch chuck standard.
- Ø52mm bar capacity standard

FASTER / MORE PRODUCTIVE

- Fast rapid rates X - axis 36 m/minute & Z - axis 36 m/minute.
- Tool to tool turret indexing time 0.4 sec, 180° indexing 1.2 sec.



Easy to use membrane touch-pad control station

S + M

SUB-SPINDLE

The sub-spindle replaces the standard tailstock on turning centers. A position CZi sensor is attached to the sub-spindle so the sub-spindle can then be synchronized with the main spindle. Special software allows the work piece to be transferred from the main spindle to the sub-spindle at any speed for secondary machining operations. This eliminates the need for operator intervention.

* Allows machining of both ends of parts.



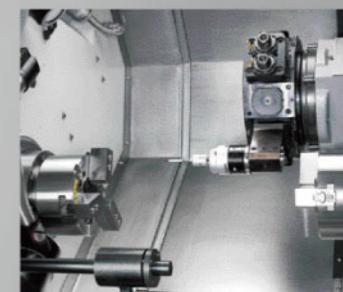
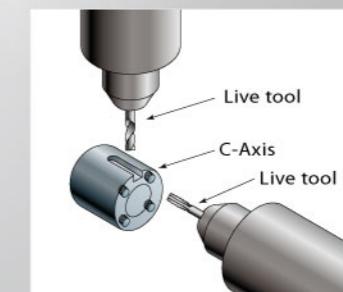
LIVE TOOL TURRET

The live tool turret replaces the standard turret on T-6 LSM turning centers. Each tool can then become a rotating tool for both milling and drilling operations.

- Tools can be either radially or axially oriented.

Power Turret Cutting Capacity:

Tool	12 live tools
Drill	10mm
End Mill	12mm
Tapping	M10xP1.5



T-6L Series CNC Turning Center

Rigid Construction

HEADSTOCK

Heavy duty thermally symmetrical headstock design has heat dissipating fins to minimize thermal distortion during long machining cycles. All critical components are machined in a temperature controlled environment and assembled in a clean-room.

- Cartridge style spindle provides quick and easy replacement.

CARTRIDGE TYPE SPINDLE

The heavy-duty spindle utilizes high quality bearings to support heavy cutting.

- Heavy duty A2-5 spindle nose
- Wide bearing spacing for high rigidity
- Special heat treatment for critical parts
- Highly accurate draw tube mechanism
- Precision Labyrinth seal
- Large diameter quill for high rigidity
- Optimum spacing of front bearings to spindle nose for highest rigidity

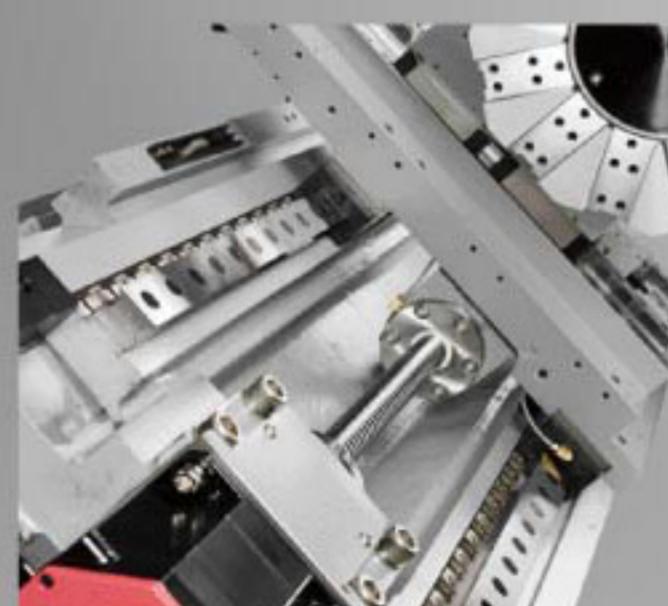
All of which produces better part finish in less time.

THE ROLLER TYPE LINEAR GUIDE WAY

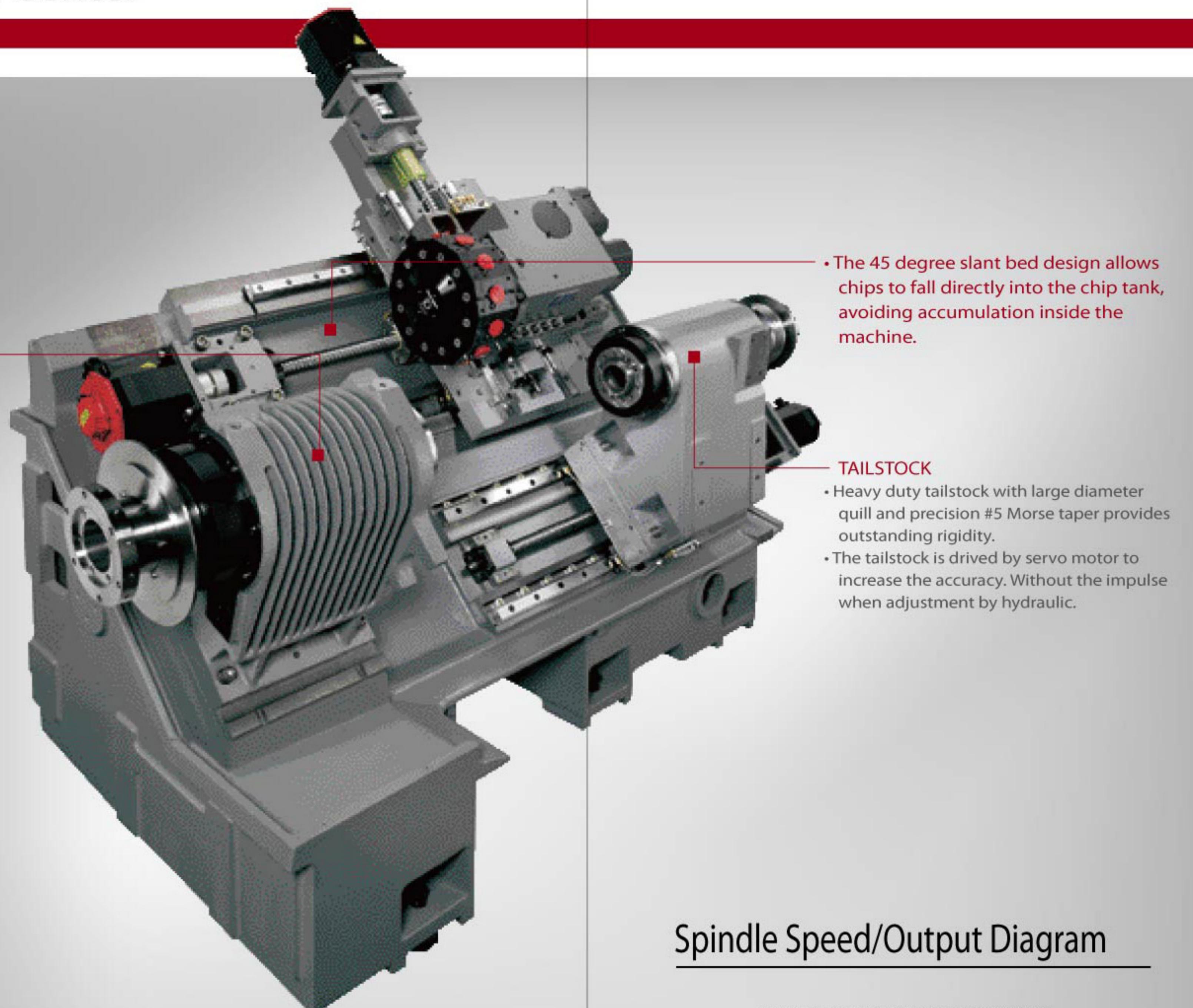
T-6L series equip with roller type linear guide way can provide higher rigidity and make the movement more smooth and stability, especially for the request of high accuracy and heavy load.



CARTRIDGE TYPE SPINDLE

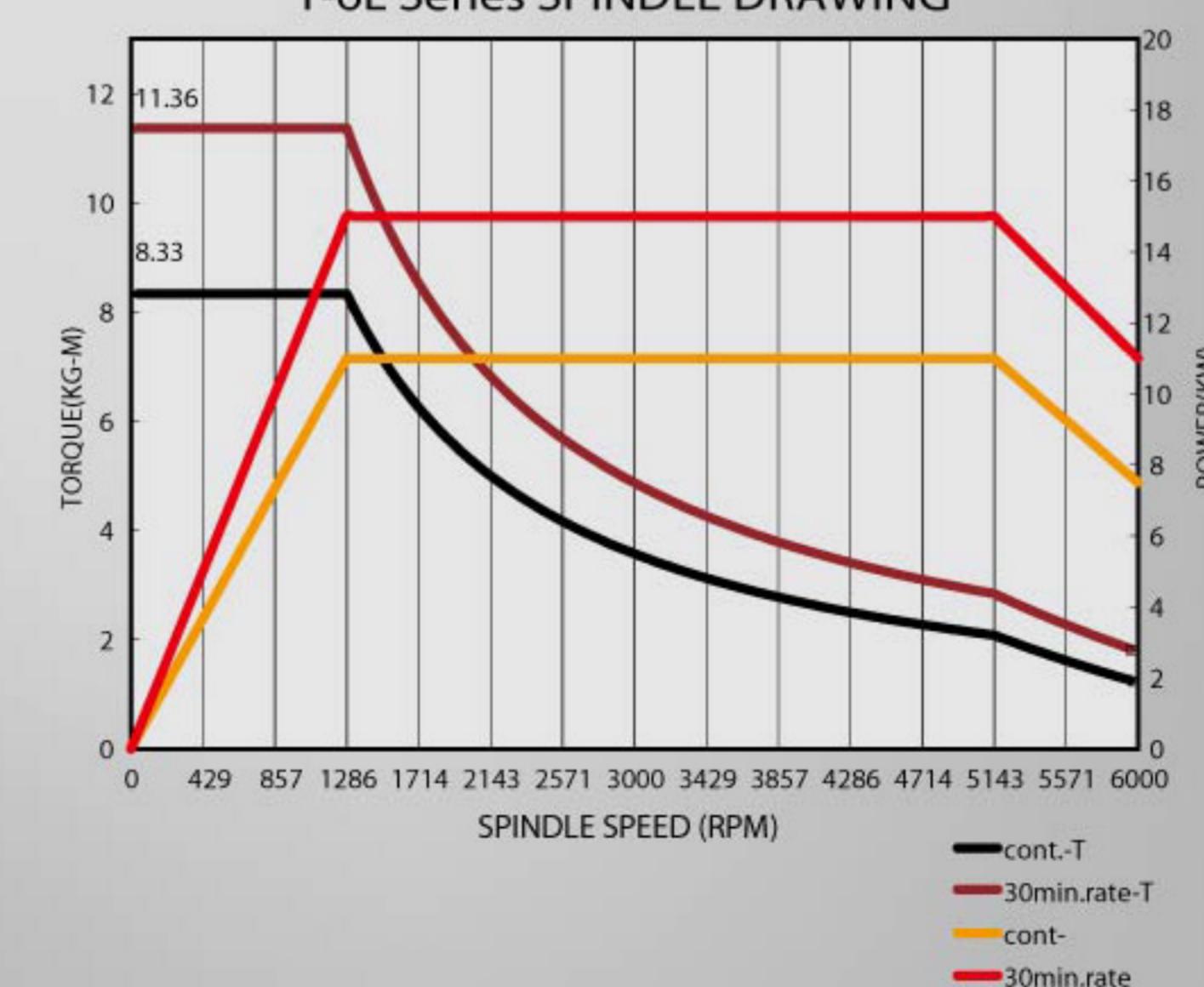


THE ROLLER TYPE LINEAR GUIDE WAY



Spindle Speed/Output Diagram

T-6L Series SPINDLE DRAWING



C-Axis option

By synchronizing the optional C Axis with the live tooling, machining of cylindrical cams and other complex work pieces becomes easy, saving time and money for each part. The headstock spindle becomes a fully programmable servo axis with the C-Axis option.

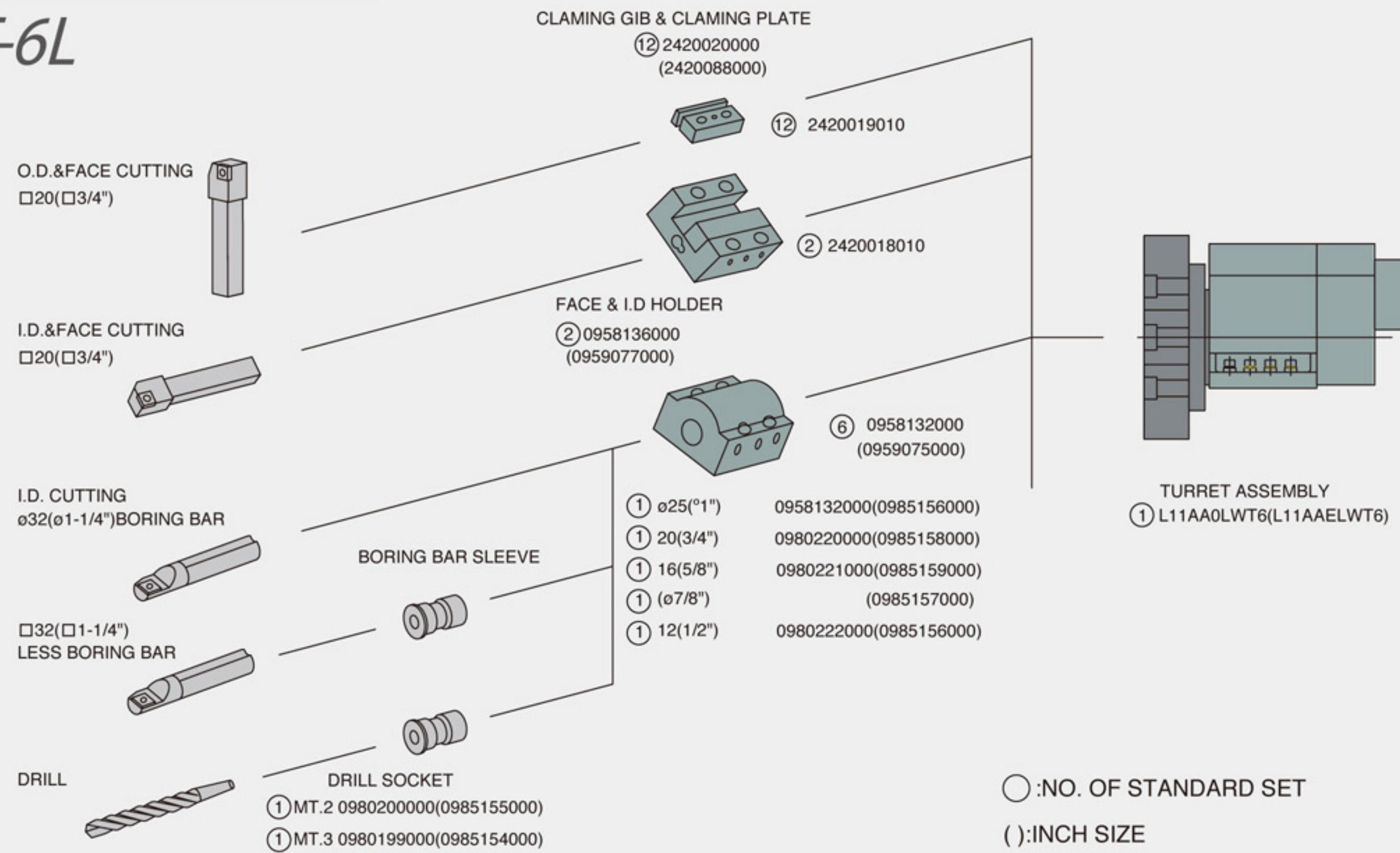


- C Axis index resolution: 0.001 degrees
- Max. C-axis speed: 40 rpm
- Switching between normal turning & synchronization with live tooling takes less than 1 second.

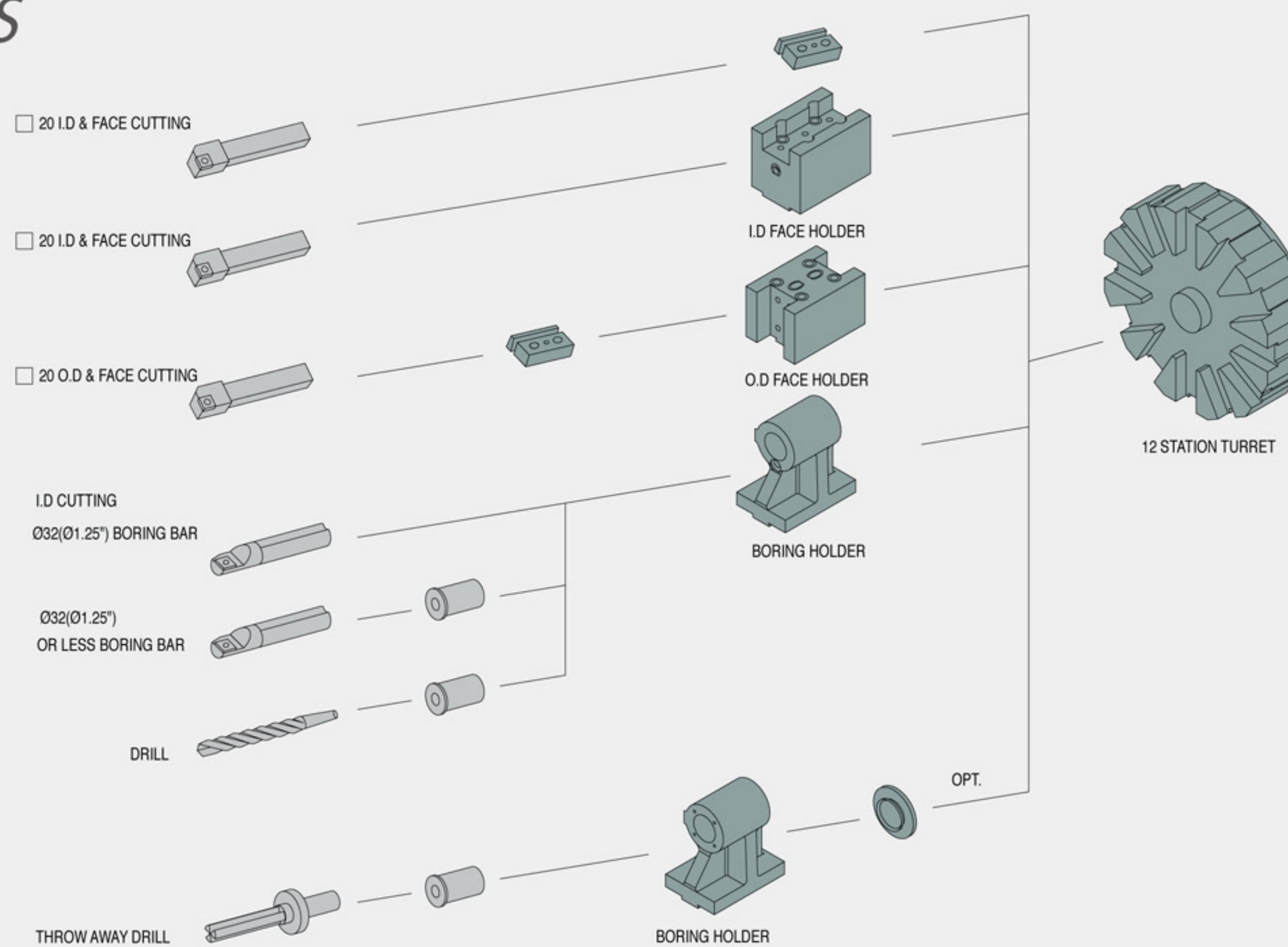
T-6L Series CNC Turning Center

Tooling System

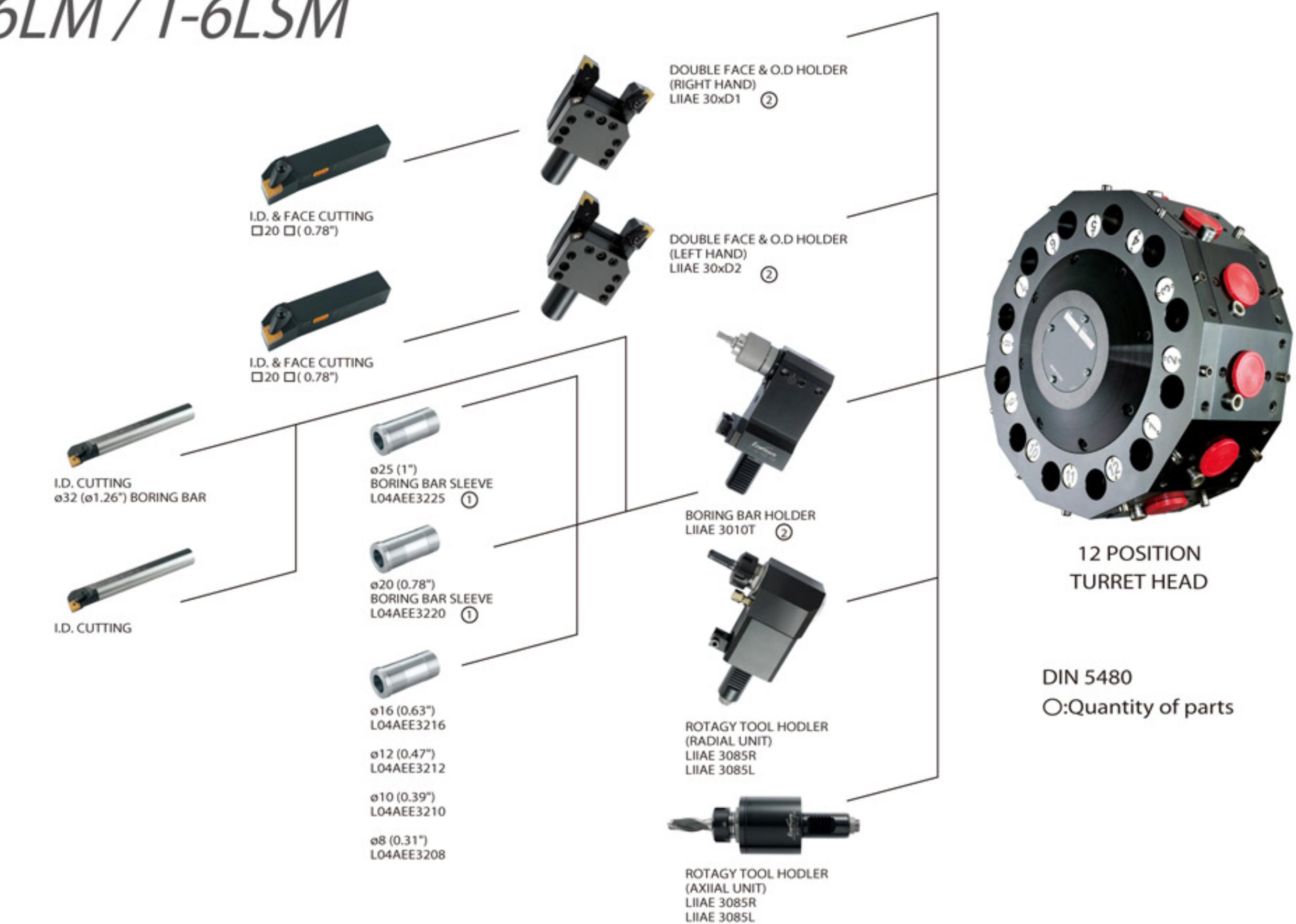
T-6L



T-6LS

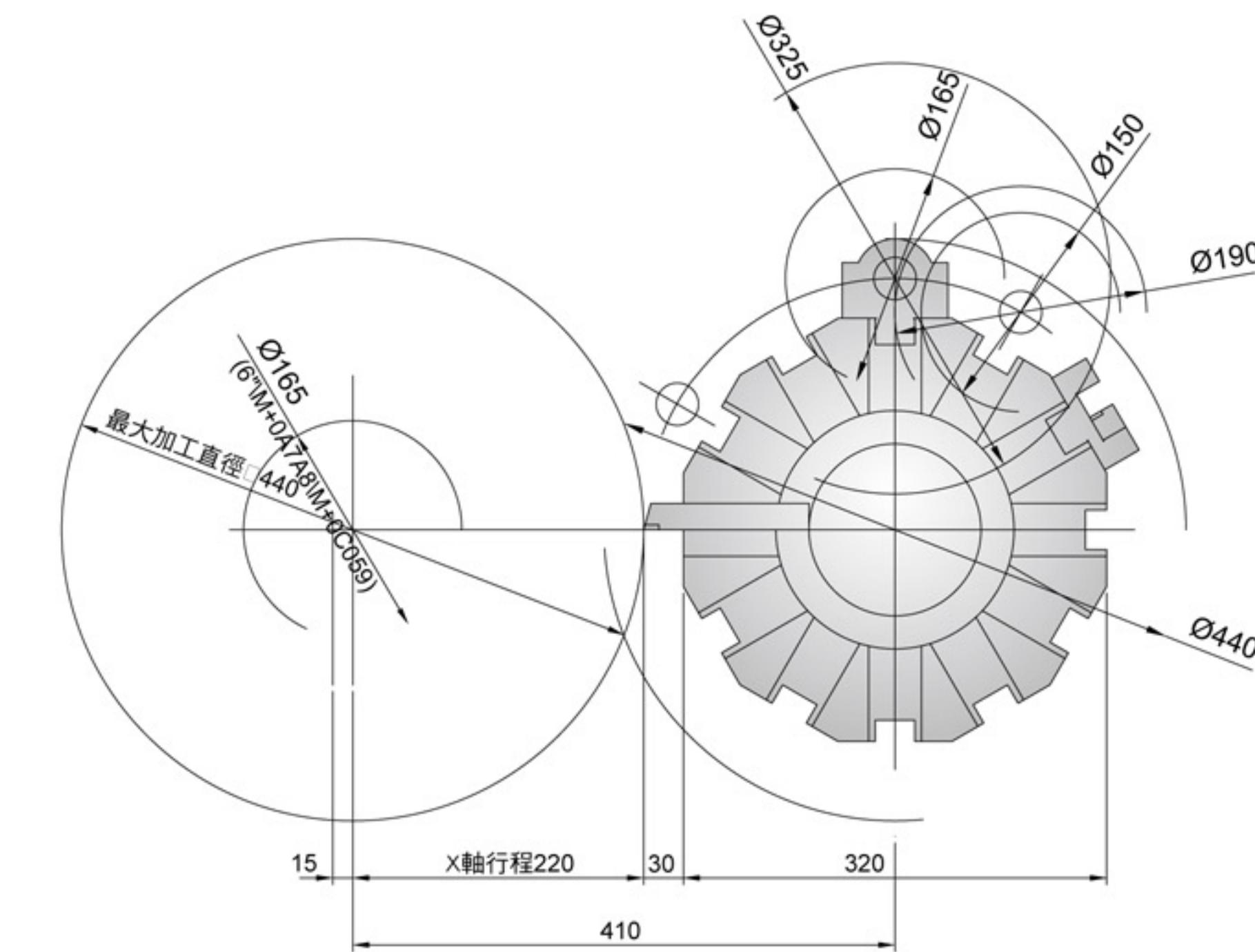


T-6LM / T-6LSM



Tooling Interference

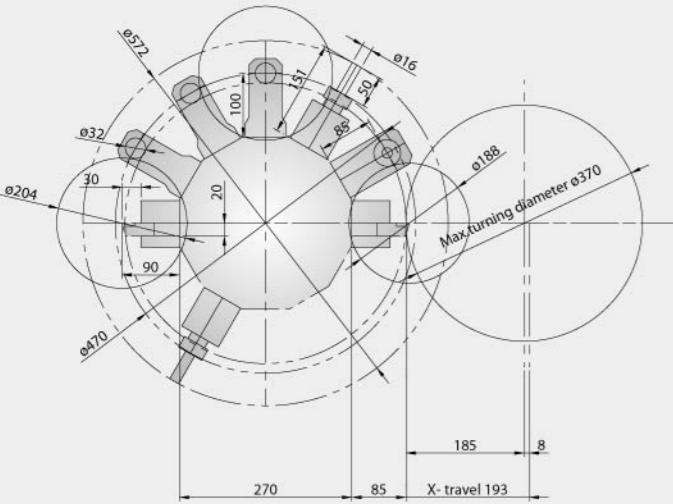
T-6L



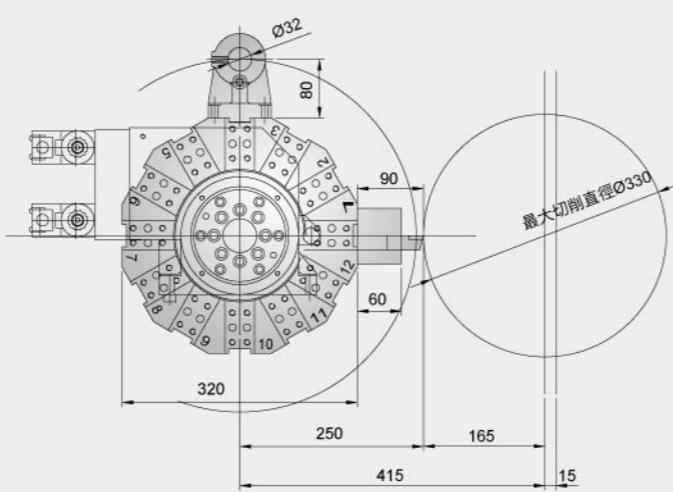
T-6L Series CNC Turning Center

Tooling interference

T-6LSM / T-6LM

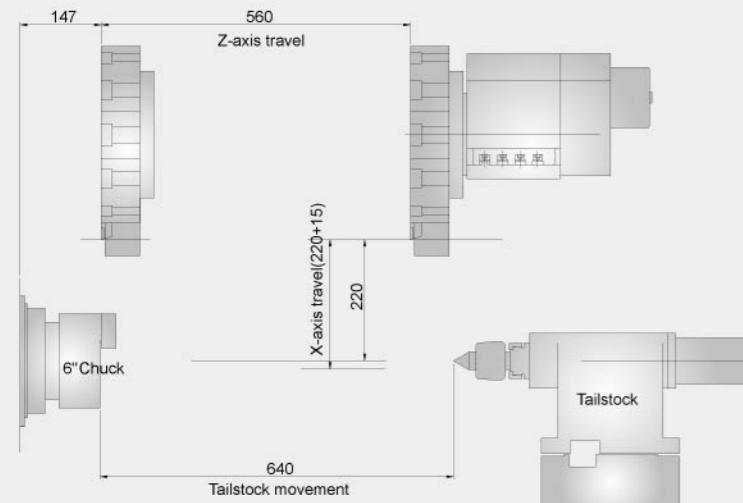


T-6LS

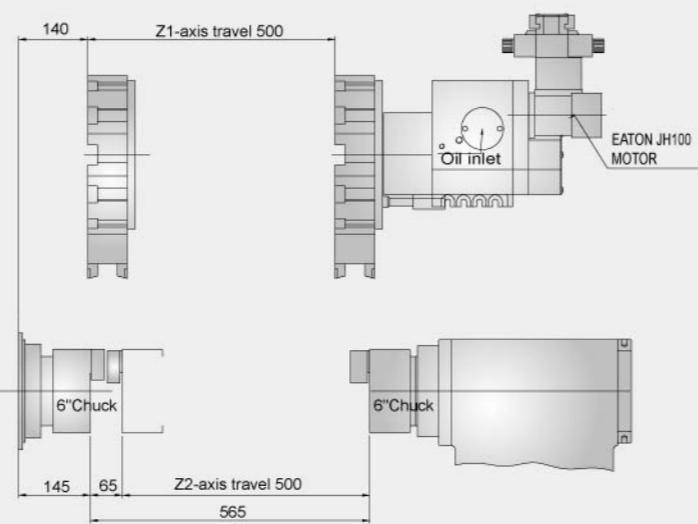


Capacity

T-6L

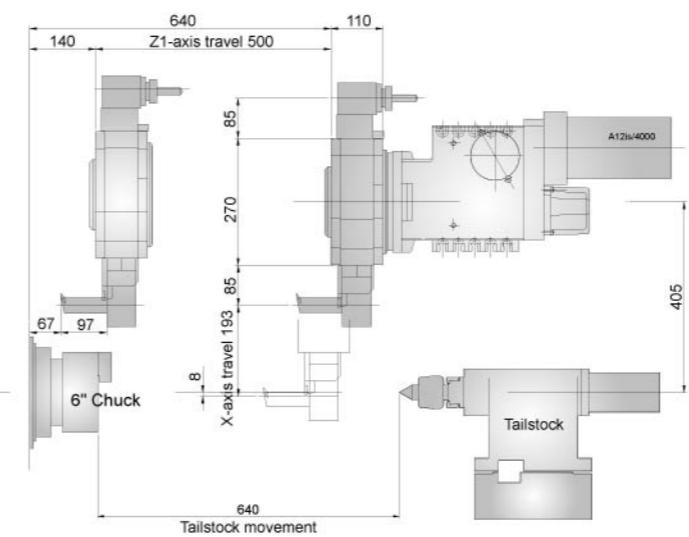


T-6LS

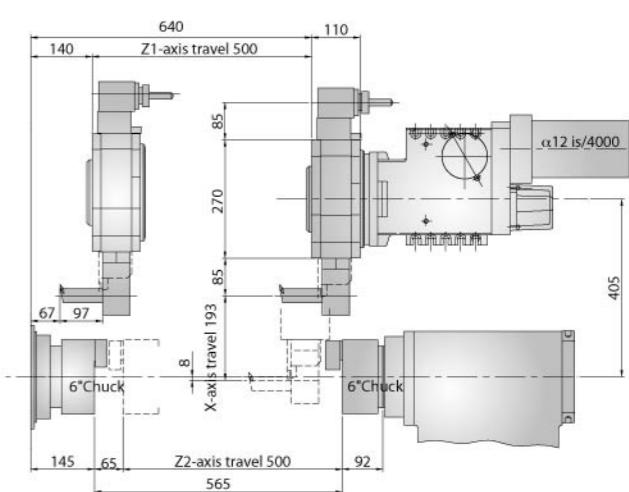


Capacity

T-6LM

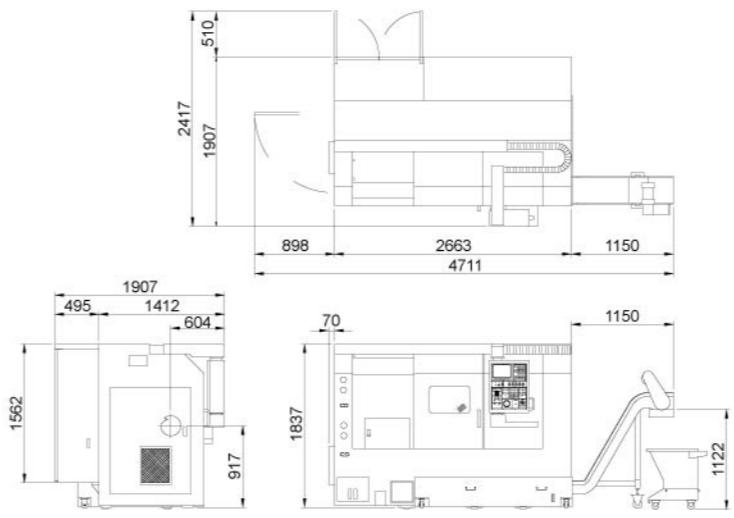


T-6LSM



Machine Size

T-6L / T-6LM



T-6LS / T-6LSM

