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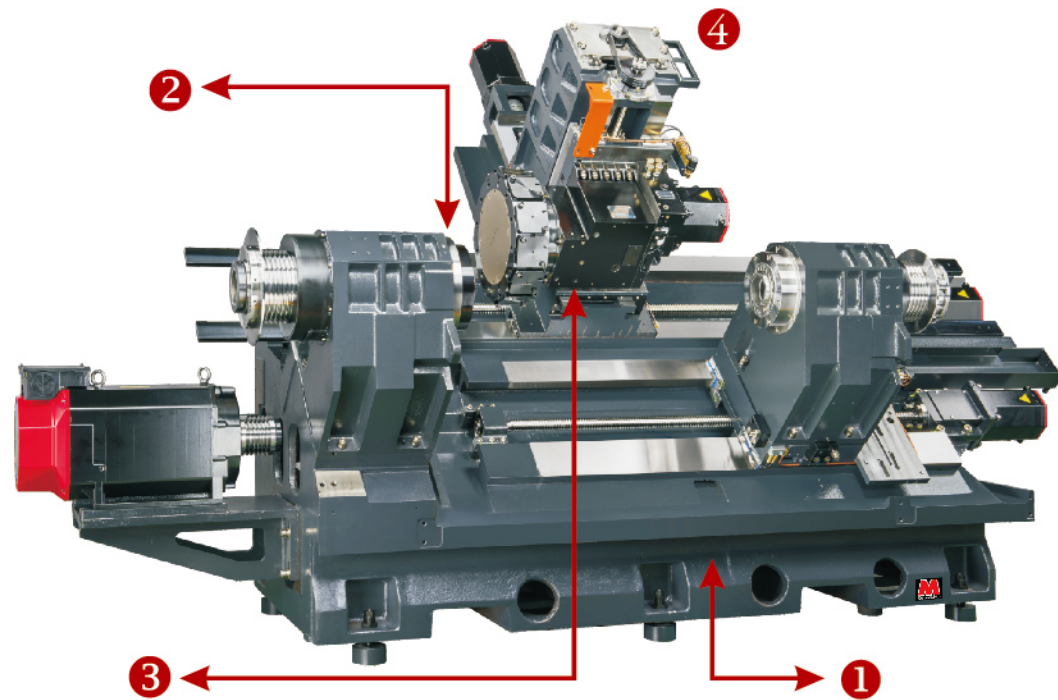
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※ All performance are based on 220V/3PH/60HZ. Specification are subject to change without notice.

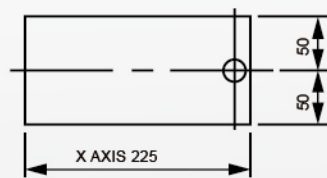
LTC-25i(MY/S/SM/SMY)
MULTI-TASKING TURNING CENTER

STRUCTURE

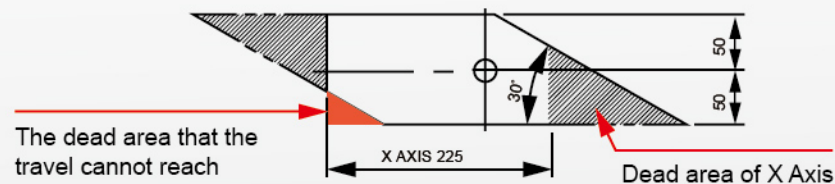
The structure of the multi-tasking turning center is with Main spindle + Sub spindle + Power Turret (BMT-65) + Y-axis, and with high level FANUC controller (0i-T) This machine is your best choice which can process complex surfaces and geometrical features required various turning or milling operations in single setup. This processing model controls the machining accuracy of the work-piece, and makes your productivity more efficient and accurate.



- 1 The base, square way, headstock seat and motor seat are integrally formed, with large span design, the machine has high rigidity and free of vibration. The square way harden via high quenching treatment, has up to HRC 50°
- 2 The machine is designed especially for work-piece with 10"-12" diameter and multi-processing. Machine specifications as follows: Spindle nose A2-8 with 10" inch chuck (Option 12" inch) for both spindles. The bar capacity of the main spindle is 78mm.
- 3 The capacity of the Y axis is +/-50mm, which allows offset processing and increase the speed of milling.
- 4 **Orthogonal Y axis Explanation**
Y axis is orthogonal placed on the X axis to ensure the full range of travel and to maximize the machining purposes.

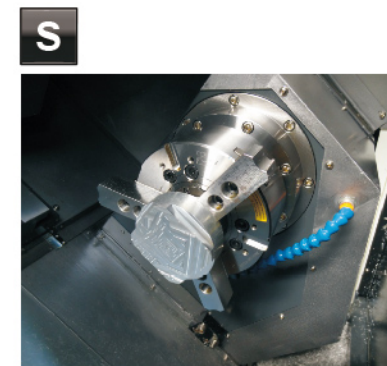


Orthogonal Y axis
No dead area within it's travel



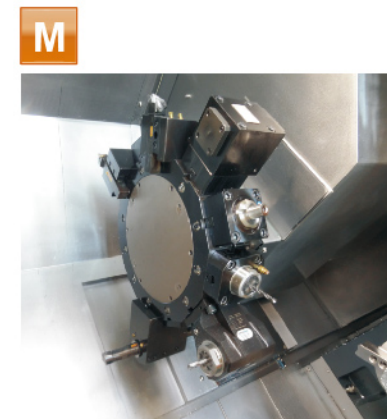
The dead area that the travel cannot reach
Virtual Y axis
There will be dead area within it's travel, and requires complex programs.

FEATURE



S SUB-SPINDLE

The sub-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.



M LIVE TOOL TURRET

The live turret makes each tool become a rotating tool for both milling and drilling operations. Tools can be either radially or axially oriented.

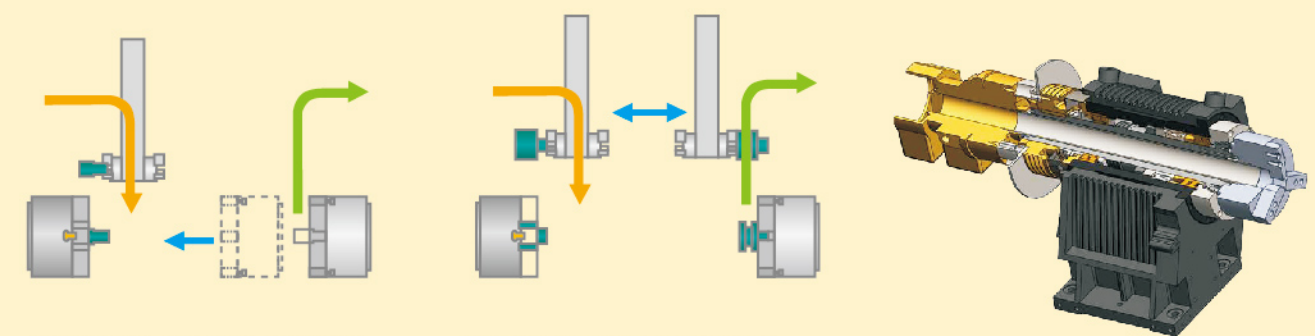
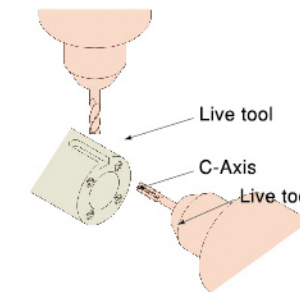
Power Turret Cutting Capacity

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



Y Y-AXIS

The Y axis design can decrease inaccuracy from machining and arithmetic errors.



Robot Arm Loading System:
The sub-spindle can continue the machining program on the rear side.

The loading of work-pieces become more efficient with the incorporation of the automatic Gantry Robot System.

BAR CAPACITY

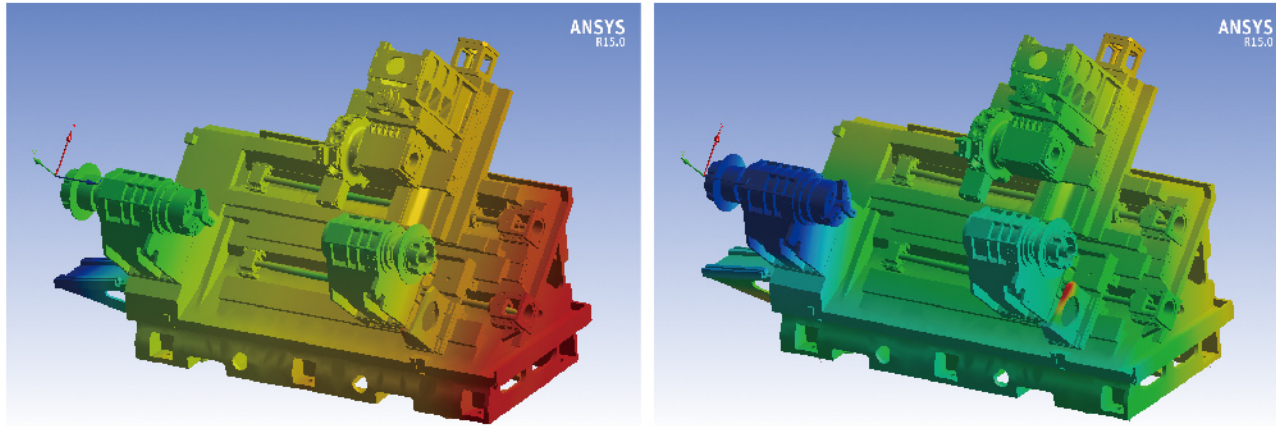
Spindle ø78
Sub Spindle ø66

OPTIMUM

- Section areas
- Moments of inertia
- Torsional constant
- Plate thickness
- Bending stiffness
- Transverse shear
- Vibration reduce

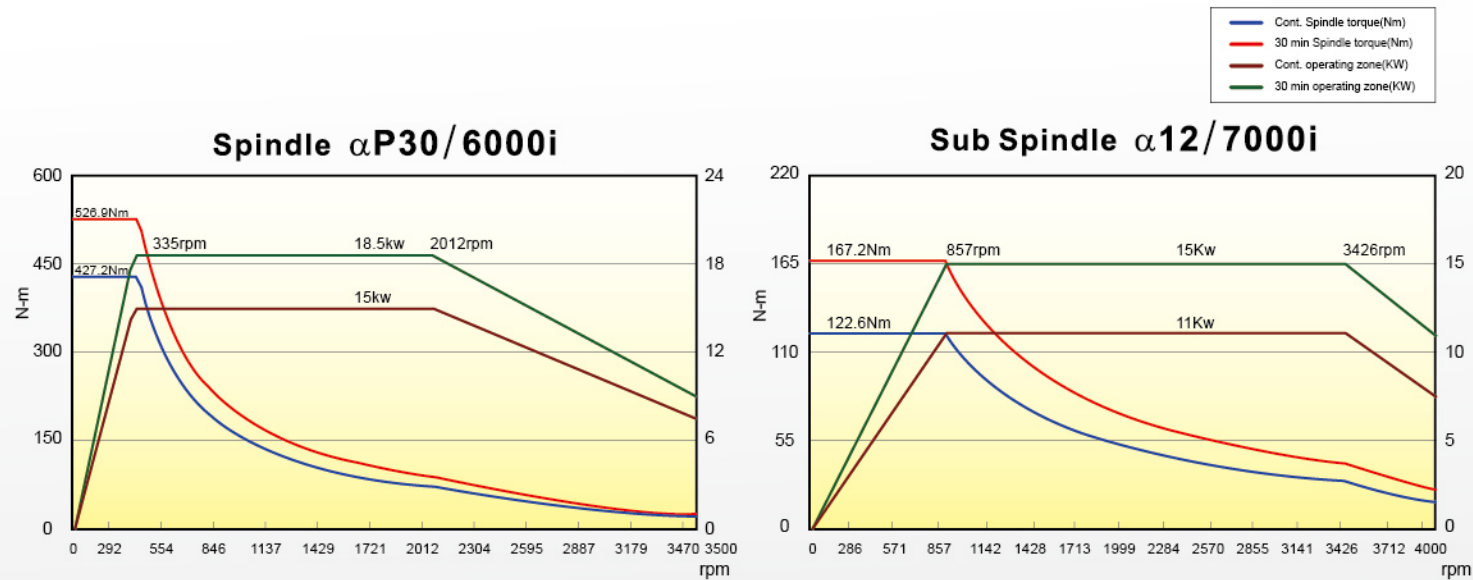
WITH FEA YOU CAN

1. Predict and improve product performance and reliability.
2. Reduce physical prototyping and testing.
3. Evaluate different designs and materials.
4. Optimize design.

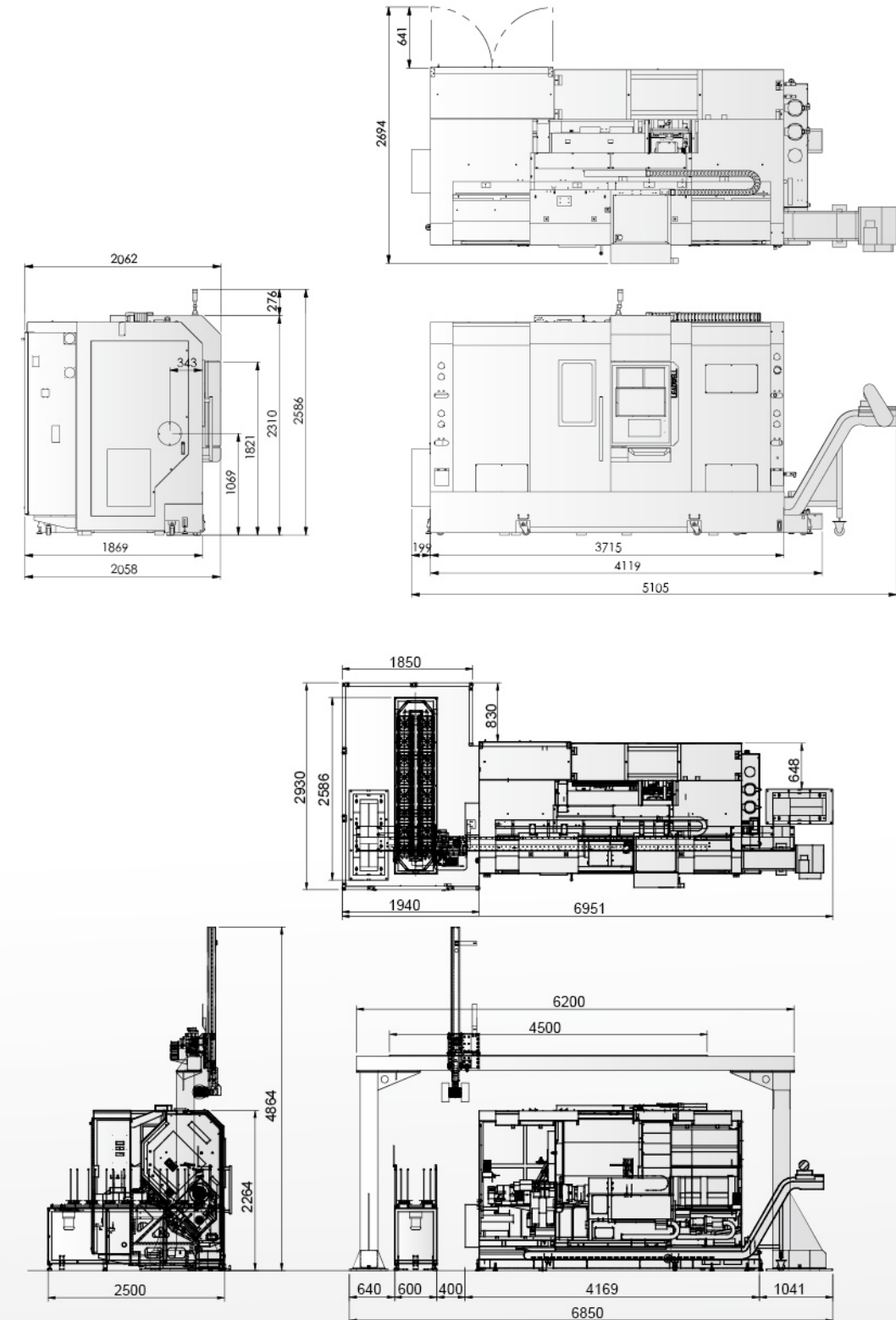


SPINDLE POWER CURVE

LTC-25iMY/iS/iSM/iSMY

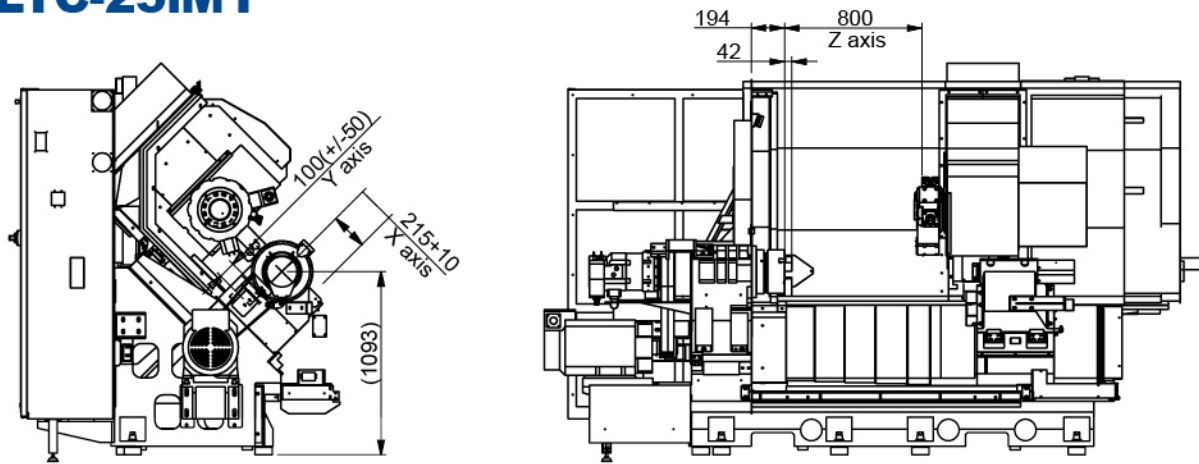


LTC-25iMY/iS/iSM/iSMY

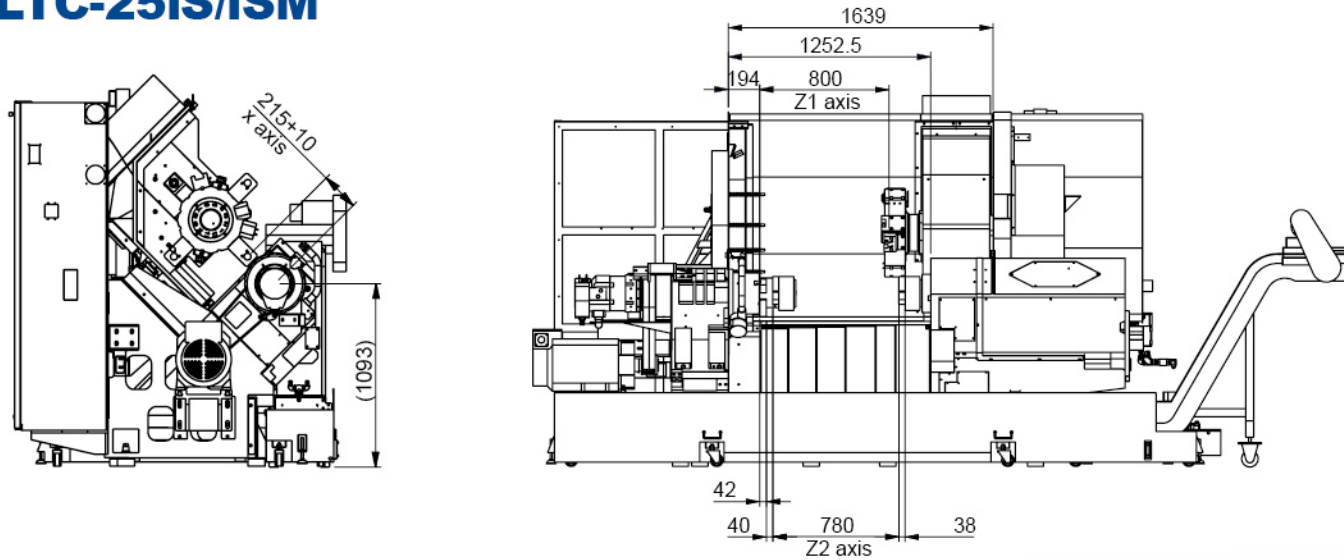


INTERNAL DIMENSION

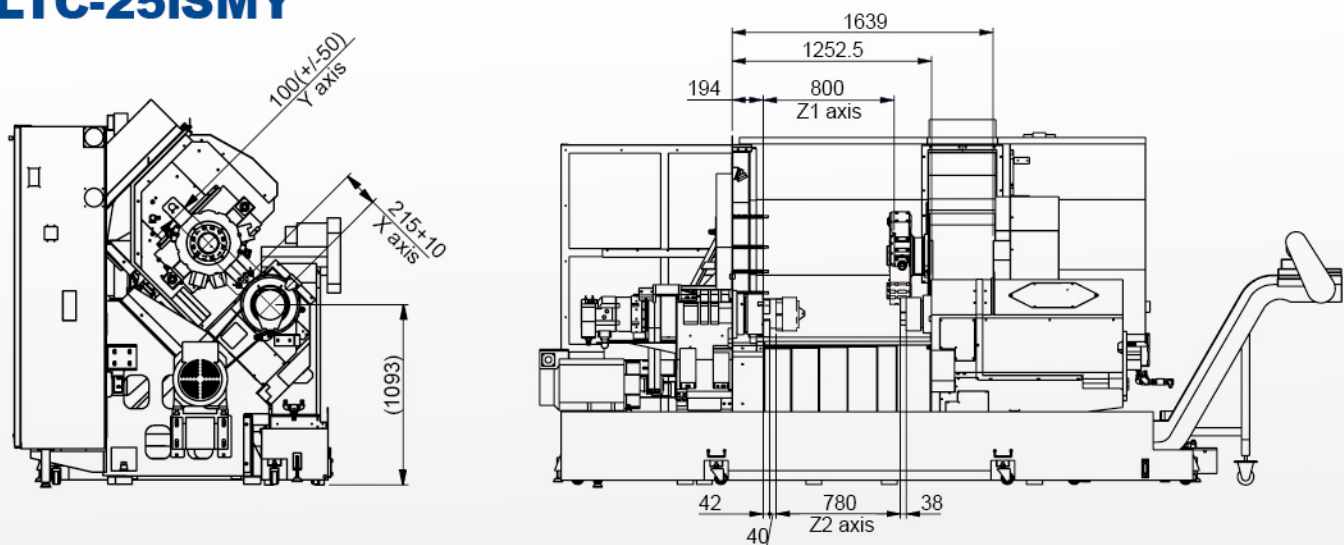
LTC-25iMY



LTC-25iS/iSM

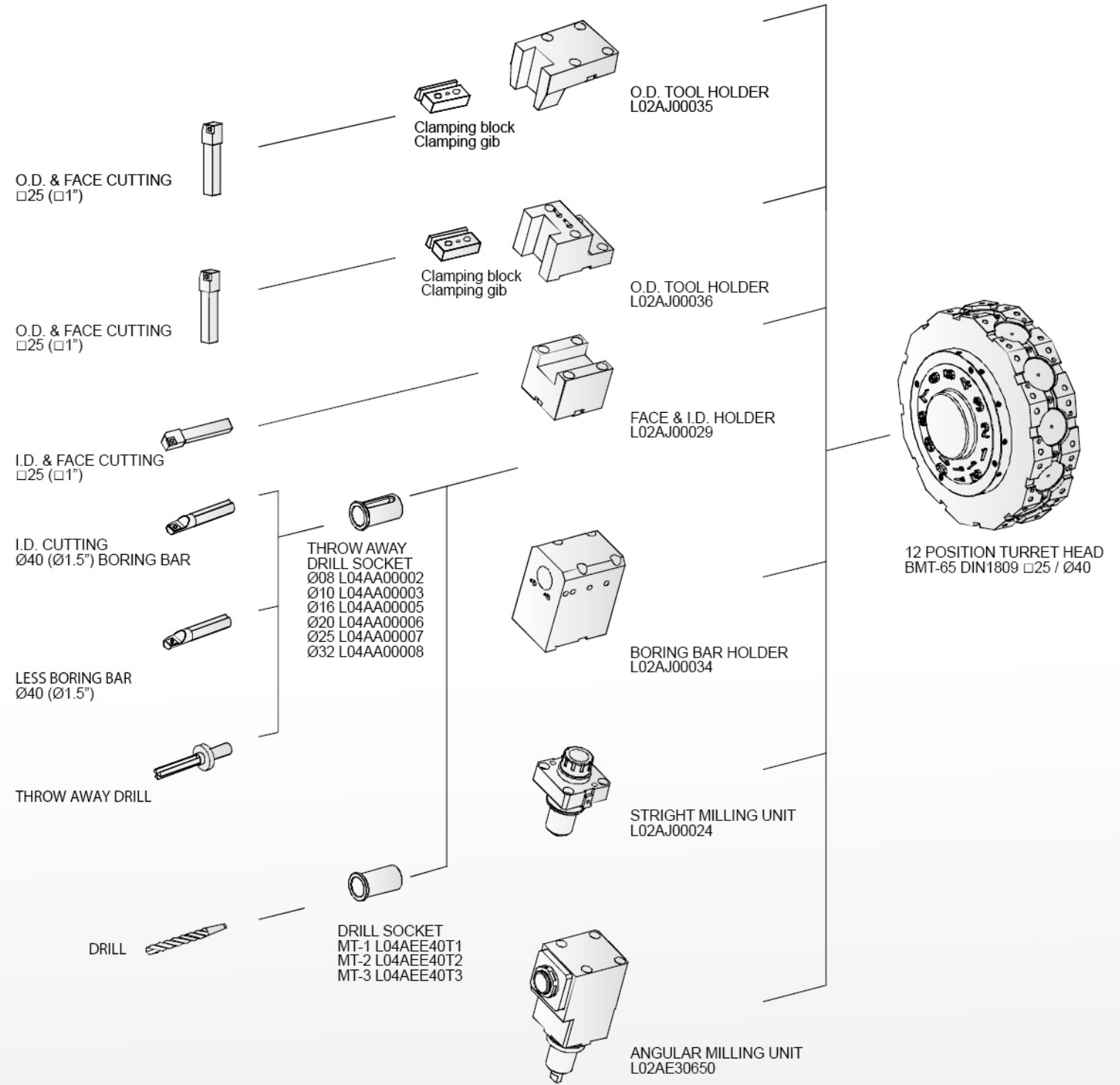


LTC-25iSMY



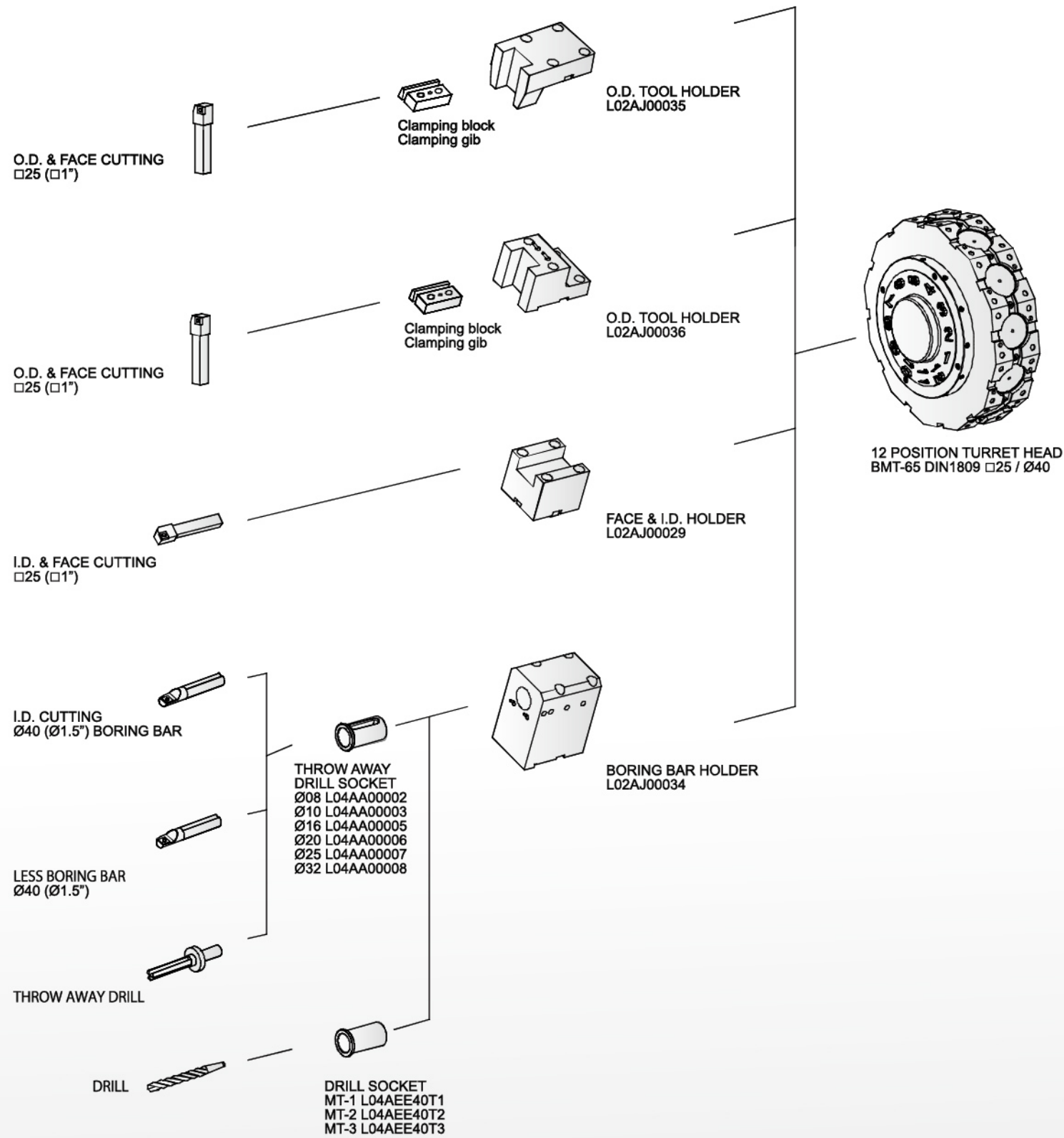
TOOLING SYSTEM

LTC-25iMY/iSM/iSMY



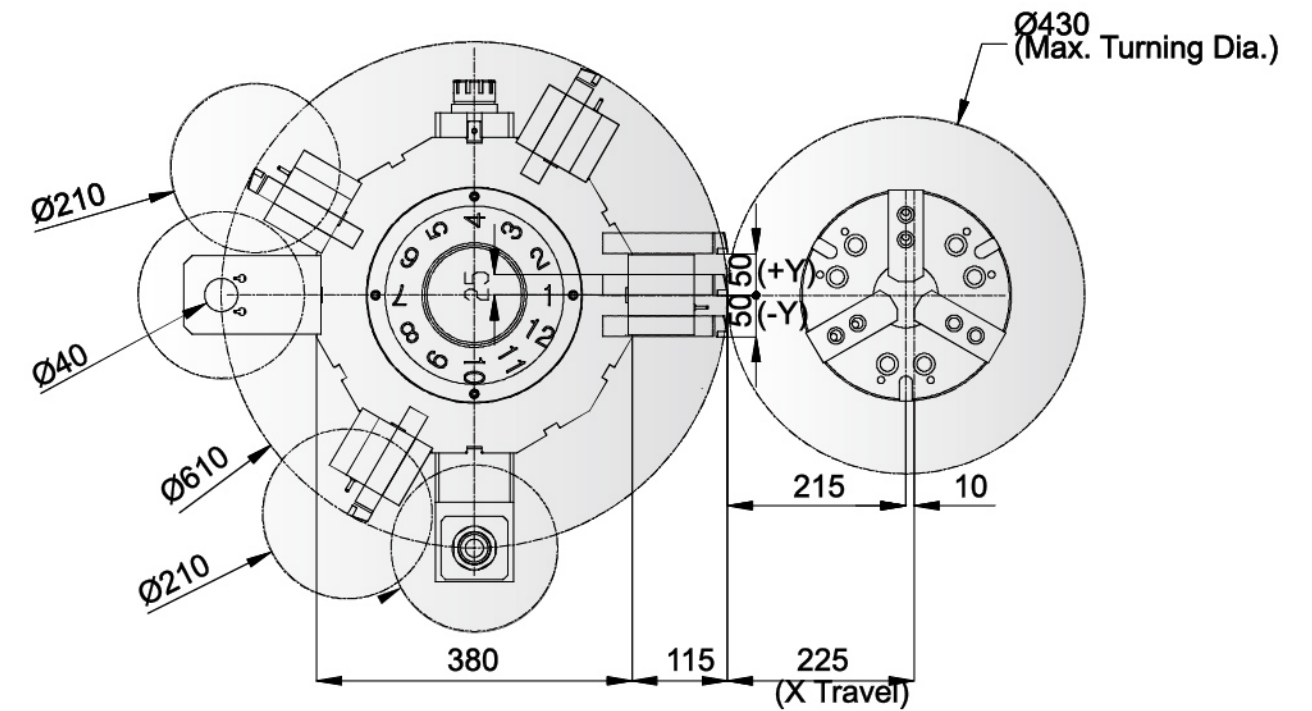
TOOLING SYSTEM

LTC-25iS



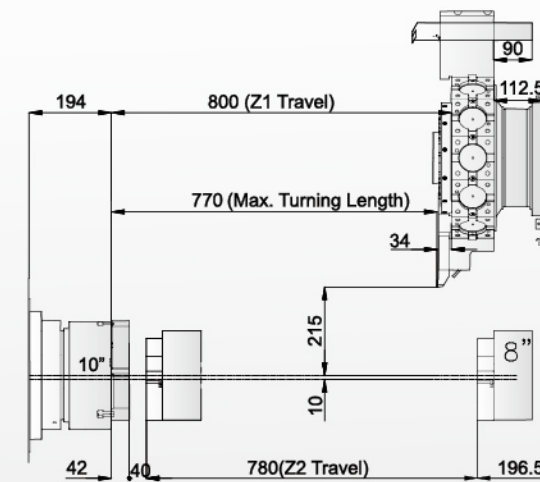
TOOLING INTERFERENCE

LTC-25iMY/iS/iSM/iSMY



WORKING CAPACITY

LTC-25iS/iSM/iSMY



LTC-25iMY

