



6/8/10 INCH GLOBAL COMPACT TURNING CENTER

# Lynx

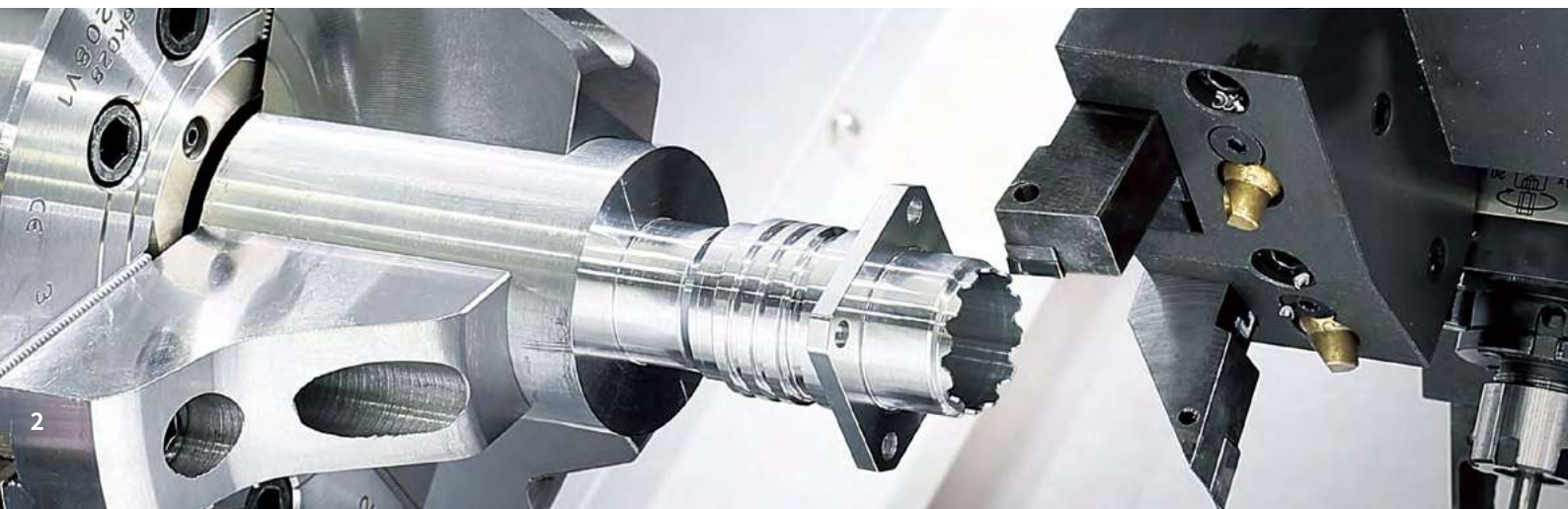
**2100/M · 2100L/LM/LMS · 2600/M**



**DN SOLUTIONS**

# Lynx 2100 · 2600 SERIES

The Lynx 2100 Series the next generation of the Lynx Series, currently with more than 25000 sales worldwide aims to deliver even greater customer satisfaction with its superior machining performance, reliability, and user convenience.





## SUPERIOR MACHINING PERFORMANCE

Equipped with a 18.5kW high-power motor and machine structure, and further enhanced spindle and axis ball screw stiffness, the Lynx 2100/2600 series offers excellent cutting capability up to maximum turning diameter of  $\varnothing 460\text{mm}$  and a maximum turning length of 658mm

## HIGH RELIABILITY

The Series' excellent reliability is based on the adoption of a wider support structure, more stable bed, low vibration/noise spindle, servo-driven turret, and a full slideway cover for preventing coolant leaks and chips from penetrating the machine.

## IMPROVED USER CONVENIENCE

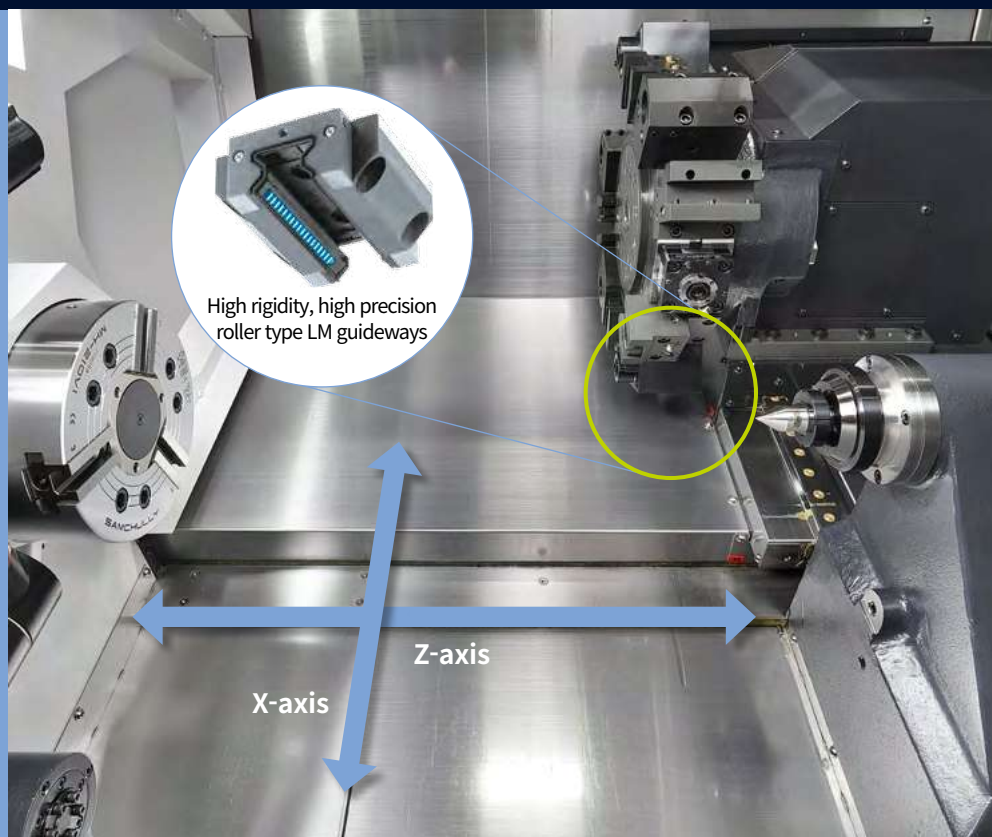
The CNC tailstock as standard and EZ work enable the user to operate peripheral devices quickly and conveniently. Adoption of grease type lubrication offers the users the convenience and low cost.

# BASIC STRUCTURE

The Lynx 2100/2600 series includes a wider support structure for X, Z axes and tailstock traverse. The X and Z axes are fitted with highly rigid roller-type LM Guideways.

| Chuck size | Model                    | Travel distance (mm(inch)) |            | Rapid traverse (m/min(ipm)) |          | Functions |   |    |
|------------|--------------------------|----------------------------|------------|-----------------------------|----------|-----------|---|----|
|            |                          | Size                       | Z-axis     | X-axis                      | Z-axis   | 2-axis    | M | MS |
| 6 inch     | Lynx 2100A / MA          | 205 (8.1)                  | 340 (13.4) | 30 (1.2)                    | 36 (1.4) | ○         | ○ | -  |
|            | Lynx 2100LA / LMA / LMSA | 205 (8.1)                  | 560 (22.0) | 30 (1.2)                    | 36 (1.4) | ○         | ○ | ○  |
| 8 inch     | Lynx 2100B / MB          | 205 (8.1)                  | 340 (13.4) | 30 (1.2)                    | 36 (1.4) | ○         | ○ | -  |
|            | Lynx 2100LB / LMB / LMSB | 205 (8.1)                  | 560 (22.0) | 30 (1.2)                    | 36 (1.4) | ○         | ○ | ○  |
| 10 inch    | Lynx 2100LC / LMC / LMSC | 205 (8.1)                  | 560 (22.0) | 30 (1.2)                    | 36 (1.4) | ○         | ○ | ○  |
|            | Lynx 2600/M              | 255 (10.0)                 | 680 (26.8) | 30 (1.2)                    | 30 (1.2) | ○         | ○ | -  |

\* M : 2-axis + Milling / MS : Milling + Sub spindle



## LARGEST MACHINING AREA

The Series also offers the largest machining area window in its class, with a max. turning diameter of Ø460 mm (Ø8.1 inch) and a max. turning length of 658 mm (25.9 inch).

### Max. turning diameter

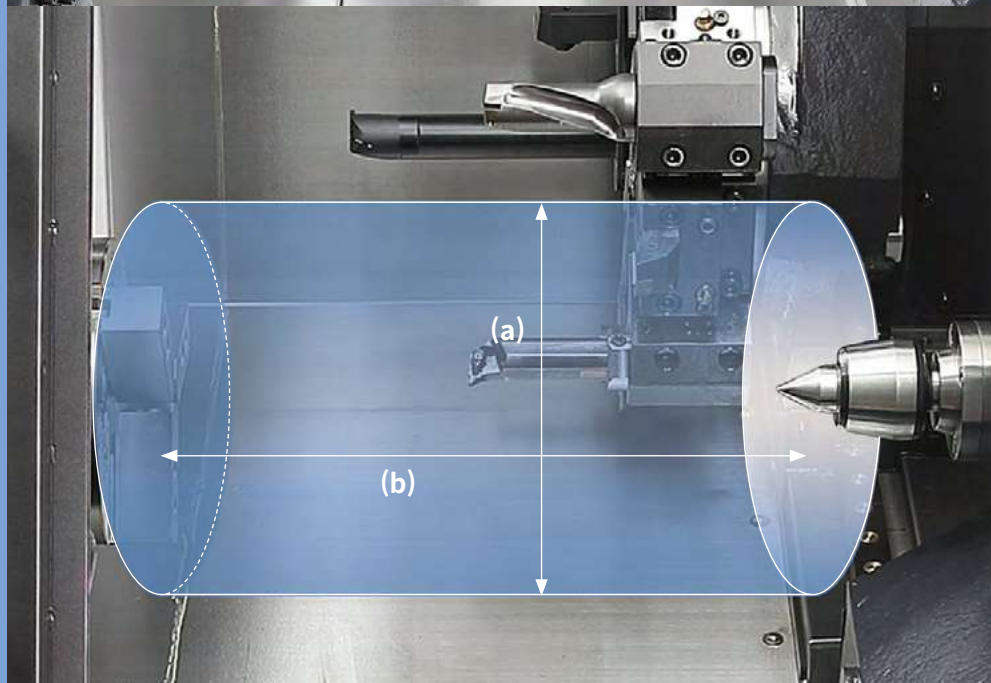
Lynx 2600

**Ø460 mm** 18.1 inch

### Max. turning length

Lynx 2600

**Ø658 mm** 25.9 inch



| Function    | Models               | unit      | Max. turning dia. | Max. turning length |
|-------------|----------------------|-----------|-------------------|---------------------|
| 2-axis      | Lynx 2100A / B       | mm (inch) | Ø350 (Ø13.8)      | 330 (13.0)          |
|             | Lynx 2100LA / LB     |           | Ø350 (Ø13.8)      | 550 (21.7)          |
|             | Lynx 2100LC          |           | Ø350 (Ø13.8)      | 537 (13.0)          |
|             | Lynx 2600            |           | Ø460 (Ø18.1)      | 658 (25.9)          |
| M / MS type | Lynx 2100MA / MB     |           | Ø300 (Ø11.8)      | 290 (11.4)          |
|             | Lynx 2100LMA / LMB   |           | Ø300 (Ø11.8)      | 510 (20.1)          |
|             | Lynx 2100LMSA / LMSB |           | Ø300 (Ø11.8)      | 510 (20.1)          |
|             | Lynx 2100LMC/LMSC    |           | Ø300 (Ø11.8)      | 497 (19.6)          |
|             | Lynx 2600M           |           | Ø380 (Ø15.0)      | 610 (24.0)          |

# SPINDLE

The high power / torque motor supports highprecision and heavyduty cutting, improving productivity.

## Max. spindle speed

Lynx 2100A / LA / MA / LMA / LMSA

**6000** r/min

## Max. spindle torque

Lynx 2600/M

**403** N.m 97.4 ft-lbs

## Max. Bar working dia.

Lynx 2600/M

**Ø81** mm 3.2 inch



| Chuck size | Models                            | Spindle speed<br>r/min | Max.power (15min/cont.)<br>kW (Hp) | Max torque<br>N · m (ft-lbs) | Bar working dia.<br>mm |
|------------|-----------------------------------|------------------------|------------------------------------|------------------------------|------------------------|
| 6 inch     | Lynx 2100A / LA / MA / LMA / LMSA | 6000                   | 15/11 (20.1/14.7)                  | 127 (93.7)                   | Ø51(Ø2.1)              |
| 8 inch     | Lynx 2100B / LB / MB / LMB / LMSB | 4500                   | 15/11 (20.1/14.7)                  | 169 (124.7)                  | Ø67 (Ø2.6)             |
| 10 inch    | Lynx 2100LC / LMC / LMSC          | 3500                   | 18.5/15 (24.8/20.1)                | 269 (198.5)                  | Ø81 (Ø3.2)             |
|            | Lynx 2600 / M                     | 3500                   | 18.5/15 (24.8/20.1)                | 403 (297.4)                  | Ø81 (Ø3.2)             |

# SUB-SPINDLE

The sub-spindle function enables rear-side cutting by a single setup, thereby maximizing the user's productivity and efficiency. Full C axis 0.001 degree control is included to optimize capability.

## Max. spindle speed

**6000** r/min

## Max. spindle torque

**5.5 / 3.7** kW  
7.4/5.0 Hp

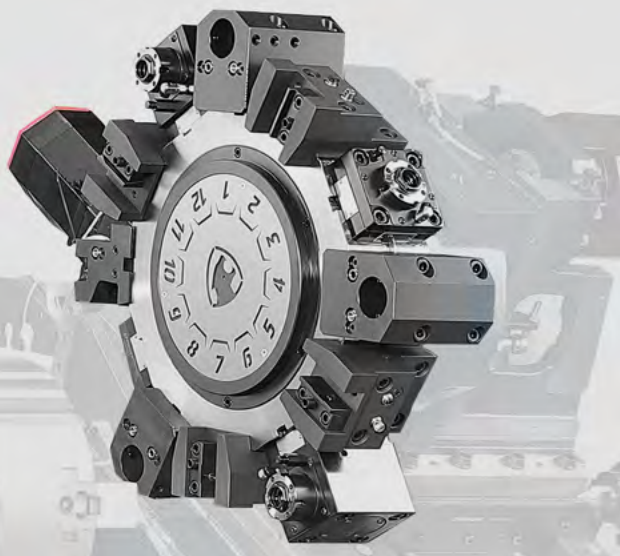
| Models                      | chuck size | Spindle speed<br>r/min | Max. power<br>(15min/<br>cont.)<br>kW (Hp) | Max torque<br>N · m<br>(ft-lbs) |
|-----------------------------|------------|------------------------|--------------------------------------------|---------------------------------|
| Lynx 2100LMSA / LMSB / LMSC | 5 inch     | 6000                   | 5.5 / 3.7<br>(7.4 / 5.0)                   | 47<br>(34.7)                    |



# TURRET

Rotation of the turret is controlled by servo motor for rapid and accurate selection of tools. The M model is fitted with DN Solutions's unique BMT55P turret to provide superior performance for milling operations.

2-axis



BMT55P



## No. of tool positions

Lynx 2100A/LA/B/LB/LC

**12** st. {10 st. OPTION}

Lynx 2600

**10** st. {12 st. OPTION}

## No. of tool positions

Lynx 2100MA/LMA/MB/LMB/LMC

**BMT 45P 12** st.  
{24 st. OPTION}

Lynx 2600M

**BMT 55P 12** st.

# TAILSTOCK

Adoption of the hydraulically actuated CNC tailstock (hydraulic type) enables tailstock positioning and work setting to be achieved using the operation panel. The dedicated screen reduces work setting times by about 50%.

## CNC Tailstock (Hydraulic Type)

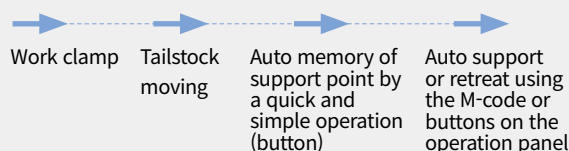
### Setting time reduced by

**50 %** ↓

| Models                                        | Tail stock travel<br>mm (inch) | Std. / Opt.           |
|-----------------------------------------------|--------------------------------|-----------------------|
| Lynx 2100A / B /<br>MA / MB                   | 360                            | <small>OPTION</small> |
| Lynx 2100LA /<br>LB / LC / LMA /<br>LMB / LMC | 580                            | Std.                  |
| Lynx 2600 / M                                 | 700                            | Std.                  |



The EZ work System enables fast and easy tailstock positioning and control.



# STANDARD | OPTIONAL SPECIFICATIONS

A range of options is available to suit individual requirements.

| Description              | Features                                                           | Lynx 2100A/LA | Lynx 2100B/LB | Lynx 2100LC | Lynx 2600 | Lynx 2100MA/LMA/LMSA | Lynx 2100MB/LMB/LMSB | Lynx 2100LMC/LMSC | Lynx 2600M |
|--------------------------|--------------------------------------------------------------------|---------------|---------------|-------------|-----------|----------------------|----------------------|-------------------|------------|
| Chuck                    | 6 inch                                                             | ●             | X             | X           | X         | ●                    | X                    | X                 | X          |
|                          | 8 inch                                                             | ○             | ●             | X           | X         | ○                    | ●                    | X                 | X          |
|                          | 10 inch                                                            | X             | ○             | ●           | ●         | X                    | ○                    | ●                 | ●          |
|                          | 12 inch                                                            | X             | X             | X           | ○         | X                    | X                    | X                 | ○          |
|                          | No chuck                                                           | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Jaw                      | Soft Jaw                                                           | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Hard Jaw                                                           | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Chucking option          | DUAL PRESSURE CHUCKING                                             | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | CHUCK CLAMP CONFIRMATION                                           | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
| Turret                   | Rotary tool_6000r/min                                              | X             | X             | X           | X         | ●                    | ●                    | ●                 | ●          |
|                          | Rotary tool_10000r/min                                             | X             | X             | X           | X         | ○                    | ○                    | ○                 | ○          |
| Coolant pump             | 1.5 bar                                                            | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | 4.5 bar                                                            | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | 7 bar                                                              | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | 10 bar                                                             | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | 14.5 bar                                                           | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Chip disposal options    | 4.5 bar                                                            | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Coolant options          | Oil skimmer                                                        | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Coolant chiller                                                    | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Coolant pressure switch                                            | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Coolant level switch : Sensing level - Empty / Low / Enough / Full | ●             | ●             | ●           | ○         | ●                    | ●                    | ●                 | ○          |
| Chip bucket              | Folklift 110L (for auger conveyor)                                 | ○             | ○             | ○           | X         | ○                    | ○                    | ○                 | X          |
|                          | Folklift 200L (for auger conveyor)                                 | ○             | ○             | ○           | X         | ○                    | ○                    | ○                 | X          |
|                          | Folklift 220L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Folklift 300L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Folklift 380L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Rotation 220L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Rotation 300L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Rotation 380L                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Chip processing options  | Air blower                                                         | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Chuck coolant                                                      | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Coolant gun                                                        | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Mist collector ready                                               | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Side type chip conveyor  | Assembled mist collector                                           | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Hinged belt                                                        | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Magnetic scrapper                                                  | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Rear type chip conveyor  | Screw (auger)                                                      | ○             | ○             | ○           | X         | ○                    | ○                    | ○                 | X          |
|                          | Hinged belt                                                        | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Magnetic scrapper                                                  | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Measurement & Automation | Screw (auger)                                                      | ○             | ○             | ○           | X         | ○                    | ○                    | ○                 | X          |
|                          | Bar feeder system                                                  | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Auto door                                                          | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Tool setter (Manual)                                               | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Tool setter (Auto)                                                 | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Standard devices         | Parts catcher and box                                              | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Parts catcher and conveyor                                         | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Front door interlock                                               | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Manual book                                                        | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Installation parts                                                 | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
| Optional devices         | Safety sticker                                                     | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Work light                                                         | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Foot switch                                                        | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Tool monitoring system                                             | ●             | ●             | ●           | ●         | ●                    | ●                    | ●                 | ●          |
|                          | Signal tower                                                       | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
| Customized Special       | Air gun                                                            | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Auto power off                                                     | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Quick change tooling(CAPTO)                                        | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | Sketch-turn S/W                                                    | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | AUTOMATIC TOP DOOR                                                 | ○             | ○             | ○           | ○         | ○ / ○ / X            | ○ / ○ / X            | ○ / X             | ○          |
| Customized Special       | SHOWER COOLANT                                                     | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | DUAL PRESSURE COOLANT FOR MAIN TURRET                              | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | AUTO. WORK MEASUREMENT_ OLP40_ RENISHAW                            | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | TSC FOR MAIN/LEFT SPINDLE_ PREPARATION                             | ○             | ○             | ○           | ○         | ○                    | ○                    | ○                 | ○          |
|                          | MILLING TOOL HOLDER_ UNIVERSAL                                     | X             | X             | X           | X         | ○                    | ○                    | ○                 | ○          |

Please contact your DN Solutions representative for detailed machine information.

● Standard ○ Optional X N/A

 Fire Safety Precautions | There is a high risk of fire when using non-water-soluble cutting fluids, processing flammable materials, neglecting the controlled and careful use of coolants and modifying the machine without the consent of the manufacturer. Always check the SAFETY GUIDELINES carefully before using the machine.

# PERIPHERAL EQUIPMENT

## Chip conveyor OPTION



Long

Short



Needle

Sludge

### Hinged belt type\*

Most common type of chip conveyor. Appropriate for steel materials generating chips over 30mm.

### Drum filter type\*\*

Chip conveyor with a magnet. Appropriate for machining cast iron and the generation of fine chips.

| Chip conveyor type \ Material |             | Carbon steel) |       |        | Cast iron |        | Aluminium |       |        |
|-------------------------------|-------------|---------------|-------|--------|-----------|--------|-----------|-------|--------|
|                               |             | Long          | Short | Needle | Short     | Sludge | Long      | Short | Needle |
| Hinged belt type*             |             | ○             | △     | X      | △         | X      | ○         | △     | X      |
| Scraper type                  | Normal      | X             | ○     | △      | ○         | △      | X         | △     | X      |
|                               | Magnetic    | X             | ○     | ○      | ○         | ○      | -         | -     | -      |
| Drum filter type**            | Hinged type | ○             | △     | X      | △         | X      | ○         | △     | X      |
|                               | Scraper     | X             | ○     | △      | ○         | △      | X         | ○     | △      |

○ : Suitable, △ : Possible, \* : Not suitable

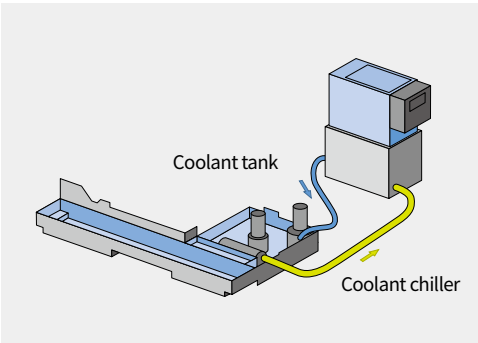
## Grease lubrication system

Yearly maintenance cost

MAX. 80 % ↓

The standard grease lubrication system eliminates the need for an oil skimmer and reduces lubrication costs by about 80% compared to oil lubrication.

## Coolant chiller (recommended) OPTION



A coolant chiller is recommended to help prevent temperature rises and to reduce thermal deformation when using a water-insoluble coolant or high-pressure coolant system (i.e., power over 1.5kW).

## Quick change CAPTO OPTION



The Quick Change Tool system simplifies tool change operation. Recommended for users who need to change tools frequently or reduce the set-up time.

## Oil skimmer OPTION



As the Lynx 2100/2600 Series uses a grease type lubricant, the coolant rarely mixes with oil. This optional oil skimmer helps to maintain the exceptional service life of the coolant.

## Part catcher OPTION

The Part Catcher automatically catches finished parts and transfers them securely to downstream processes.



## Easy-to-clean coolant tank

The coolant tank can be isolated without removing the chip conveyor, significantly enhancing the operator's convenience and overall efficiency.



## Tool setter (Manual /Auto) (Tool length measurement device) OPTION

The tool setter facilitates the setting of cutting tools, and can be used to automatically detect and compensate for worn tools.



# DN SOLUTIONS FANUC i PLUS

DN Solutions Fanuc i Plus maximizes customer productivity and convenience.

## 15" Screen + New OP

DN Solutions Fanuc i Plus' operation panel enhances operating convenience by incorporating common-design buttons and layout. It features a Qwerty keyboard for fast and easy data input and operation.

### DN Solutions Fanuc i Plus

- 15-inch color display
- Intuitive and user-friendly design

### USB and PCMCIA card QWERTY keyboard

- EZ-Guide i standard
- Ergonomic operator panel
- 2MB Memory
- Hot keys



### iHMI touchscreen

iHMI provides an intuitive interface that uses a touchscreen for quick and easy operation.

### Range of applications

Providing various applications related to planning, machining, improvement and utility, for customer convenience.



## SKETCH-TURN OPTION

### DN Solutions Conversational programming software for PC

- Easy to learn for beginners
- Time savings in programming
- Reduce processing cycle time



# NUMERIC CONTROL SPECIFICATIONS

FANUC

| Division                    | Item                                                        | Specifications                                                | 2-Axis                    | M                         |
|-----------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------|---------------------------|
|                             |                                                             |                                                               | DN Solutions Fanuc i Plus | DN Solutions Fanuc i Plus |
| Controlled axis             | Controlled axes                                             |                                                               | 2(X,Z)                    | 3(X,Z,C)                  |
|                             | Simultaneously controlled axes                              |                                                               | 2 axes                    | 3 axes                    |
| Data input/output           | Fast data server                                            |                                                               | ○                         | ○                         |
|                             | Memory card input/output                                    |                                                               | ●                         | ●                         |
|                             | USB memory input/output                                     |                                                               | ●                         | ●                         |
|                             | Larger capacity memory_2GB                                  | Note *2) Available Option only with 15" Touch LCD (iHMI Only) | ○*2)                      | ○*2)                      |
| Interface function          | Embedded Ethernet                                           |                                                               | ●                         | ●                         |
|                             | Fast Ethernet                                               |                                                               | ○                         | ○                         |
|                             | Enhanced Embedded Ethernet function                         |                                                               | ●                         | ●                         |
| Operation                   | DNC operation                                               | Included in RS232C interface.                                 | ●                         | ●                         |
|                             | DNC operation with memory card                              |                                                               | ●                         | ●                         |
| Program input               | Workpiece coordinate system                                 | G52 - G59                                                     | ●                         | ●                         |
| Feed function               | AI contour control I                                        | G5.1 Q_, 40 Blocks                                            | ○                         | ○                         |
|                             | AI contour control II                                       | G5.1 Q_, 200 Blocks                                           | ○                         | ○                         |
| Operation Guidance Function | EZ Guidei (Conversational Programming Solution)             |                                                               | ●                         | ●                         |
|                             | iHMI with Machining Cycle                                   | Note *1) Only with 15" Touch LCD standard                     | ○*1)                      | ○*1)                      |
|                             | EZ Operation package                                        |                                                               | ●                         | ●                         |
| Setting and display         | CNC screen dual display function                            |                                                               | ●                         | ●                         |
| Network                     | FANUC MTConnect                                             |                                                               | ✳                         | ✳                         |
|                             | FANUC OPC UA                                                |                                                               | ✳                         | ✳                         |
| Others                      | Display unit                                                | 15" color LCD                                                 | ●                         | ●                         |
|                             |                                                             | 15" color LCD with Touch Panel                                | ○                         | ○                         |
|                             | Part program storage size & Number of registerable programs | 640M(256KB)_500 programs<br>5120M(2MB)_1000 programs          | X<br>●                    | X<br>●                    |

Network: FANUC MTConnect and FANUC OPC UA available.

● Standard ○ Optional ✳ N/A ✳ Available

# CONVENIENT OPERATION

## SIEMENS S828D

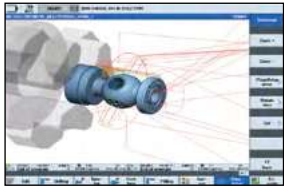
### 15.inch display + New OP

Siemens 828D' operation panel enhances operating convenience by incorporating common-design buttons and layout. It features a Qwerty keyboard for fast and easy data input and operation.

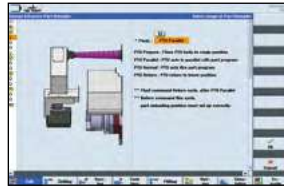
- 15.6 inch display
- USB (standard)
- QWERTY keyboard



### Convenient conversational functionality



**Cutting and operation support function**  
This function shows a cutting and tool path simulation in real-time.



Shop-turn mode  
[various]  
↓  
[attachments]



[Custom]  
↓  
[Protection zones]

#### Operation safety function

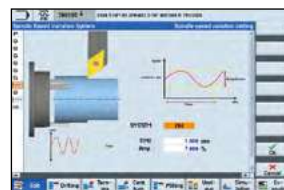
Protection Zone Synchronized Actions checks the interference between the turret and the spindle to prevent collisions caused by operator error.



[offset]  
↓  
[operating parameter]  
↓  
[TC service]

#### Maintenance and service convenience function

Maintenance and service of major equipment and peripheral devices, including the timer and parts counter settings can be easily undertaken.



[various]  
↓  
[attachment]  
↓  
[DSSV]

#### Machining accuracy improvement

The NC controls the spindle speed at an optimal level for precision threading and turning, making it possible to automatically improve surface finishes.



Before applying the function



After applying the function

## NUMERIC CONTROL SPECIFICATIONS

SIEMENS

| Division                       | Item                                                                   | Specifications                                                                                        | 2-Axis<br>S828D | M<br>S828D | S<br>S828D  | MS<br>S828D    | Y<br>S828D  | SY<br>S828D      |
|--------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|------------|-------------|----------------|-------------|------------------|
| Controlled axis                | Controlled axes                                                        |                                                                                                       | X,Z,C1          | X,Z,C1,C2  | X,Z,C1,C3,B | X,Z,C1,C2,C3,B | X,Z,C1,C2,Y | X,Z,C1,C2,Y,C3,B |
|                                | Simultaneously controlled axes                                         |                                                                                                       | 4 axes          | 4 axes     | 4 axes      | 4 axes         | 4 axes      | 4 axes           |
| Data input/output              | Memory card input/output                                               |                                                                                                       | X               | X          | X           | X              | X           | X                |
|                                | USB memory input/output                                                |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
| Interface function             | Ethernet (X130)                                                        |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
| Operation                      | On network drive (without EES option, Extcall)                         |                                                                                                       | ○               | ○          | ○           | ○              | ○           | ○                |
|                                | On USB storage medium, e.g. memory stick (without EES option, Extcall) |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
| Program input                  | Workpiece coordinate system                                            | G54 - G59, G507 - G599                                                                                | ●               | ●          | ●           | ●              | ●           | ●                |
| Feed function                  | Advanced surface                                                       |                                                                                                       | X               | X          | X           | X              | X           | X                |
|                                | Top surface                                                            |                                                                                                       | X               | X          | X           | X              | X           | X                |
|                                | Look ahead number of block                                             |                                                                                                       | 1               | 1          | 1           | 1              | 1           | 1                |
| Programming & Editing function | 3D simulation, finished part                                           |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
|                                | Simultaneous recording                                                 |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
|                                | DXF Reader for PC integrated in SINUMERIK Operate                      |                                                                                                       | ○               | ○          | ○           | ○              | ○           | ○                |
| Operation Guidance Function    | Shopturn                                                               |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
| Setting and display            | Operation via a VNC viewer                                             |                                                                                                       | ●               | ●          | ●           | ●              | ●           | ●                |
| Network                        | MTConnect                                                              |                                                                                                       | ⊗               | ⊗          | ⊗           | ⊗              | ⊗           | ⊗                |
|                                | OPCUA                                                                  |                                                                                                       | ○               | ○          | ○           | ○              | ○           | ○                |
| Others                         | Display unit                                                           | 15.6" color display with touch screen                                                                 | ●               | ●          | ●           | ●              | ●           | ●                |
|                                |                                                                        | CNC user memory 10 MB                                                                                 | ●               | ●          | ●           | ●              | ●           | ●                |
|                                |                                                                        | CNC user memory 100 MB                                                                                | ○               | ○          | ○           | ○              | ○           | ○                |
|                                |                                                                        | CNC user memory 6GB                                                                                   | X               | X          | X           | X              | X           | X                |
|                                |                                                                        | CNC user memory 40GB (with PCU or IPC)                                                                | X               | X          | X           | X              | X           | X                |
|                                | Part program storage size                                              | CNC user memory without limit(Execution from external storage devices)(EES / Using by USB or Network) | ○               | ○          | ○           | ○              | ○           | ○                |
|                                |                                                                        | HMI user memory for CNC part program 6GB                                                              | X               | X          | X           | X              | X           | X                |

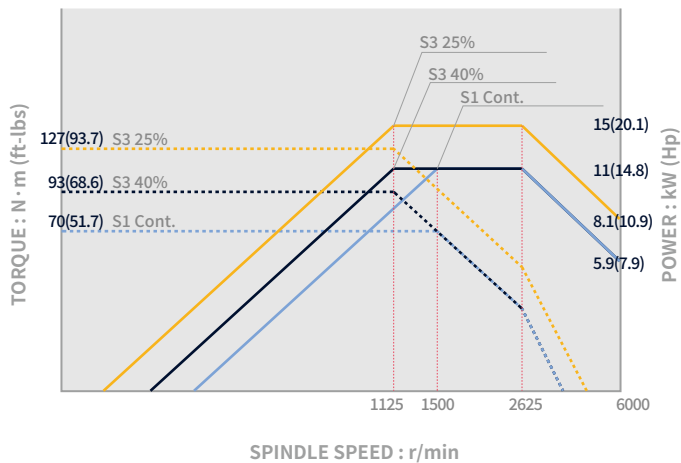
● Standard ○ Optional ⊗ N/A ⊕ Available

# POWER | TORQUE

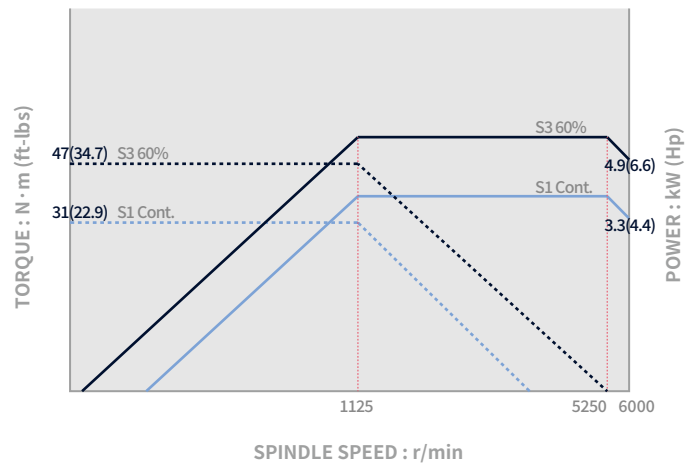
**Lynx** 2100 A/LA/MA/LMA/LMSA/B/LB/LMB/LMSB/LC/LMC/LMSC

## FANUC

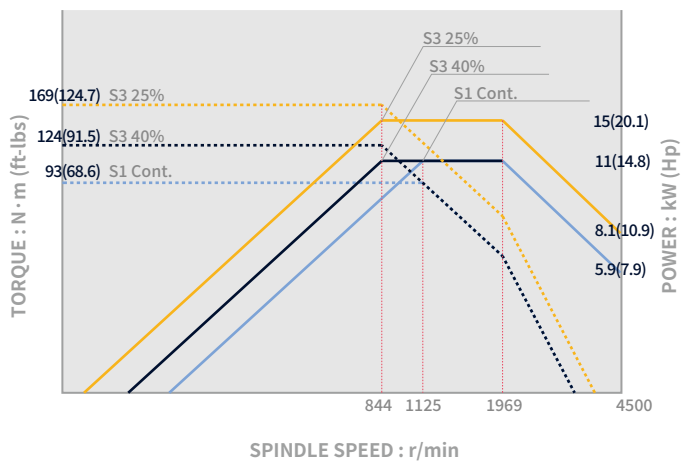
### Main spindle\_Lynx 2100A / LA / MA / LMA / LMSA



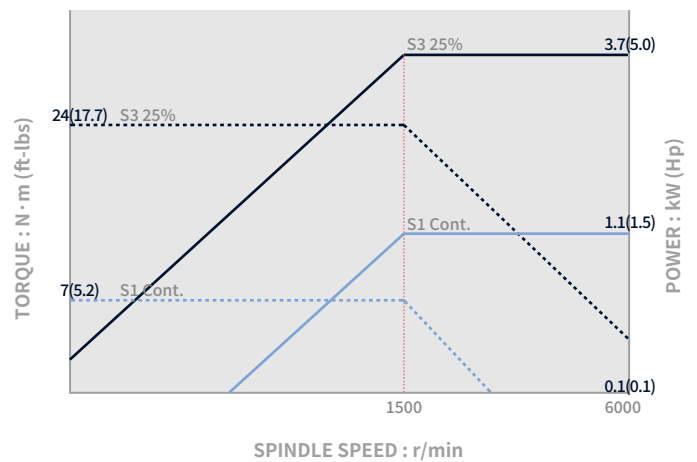
### Main spindle\_Lynx 2100LMSA / LMSB / LMSC



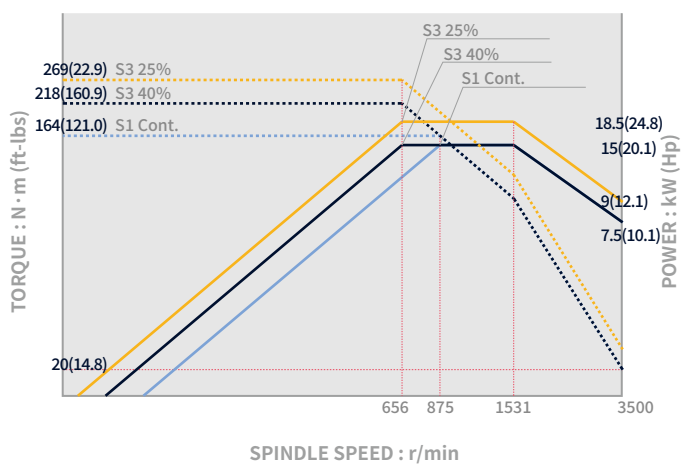
### Main spindle\_Lynx 2100B / LB / MB / LMB / LMSB



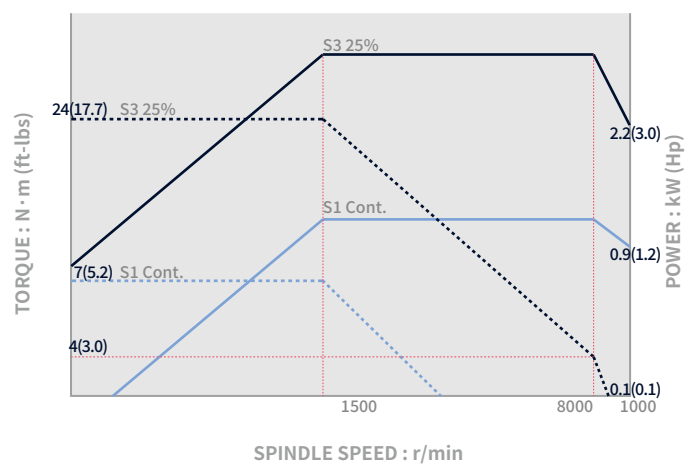
### Rotary tool\_Lynx 2100M / LM / LMS



### Main spindle\_Lynx 2100LC / LMC / LMSC



### Rotary tool\_Lynx 2100M / LM / LMS OPTION

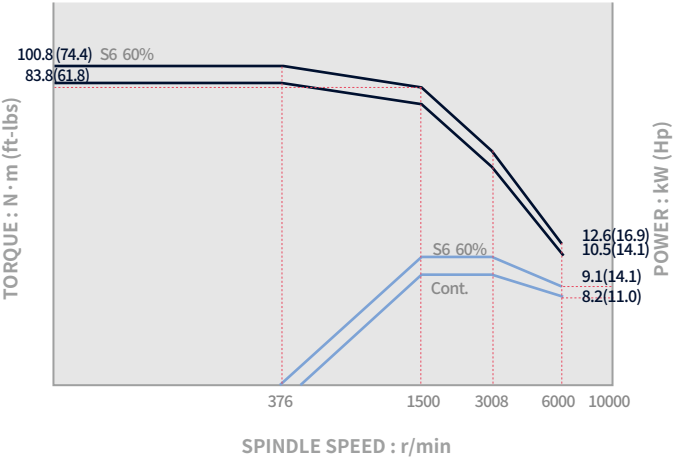


# POWER | TORQUE

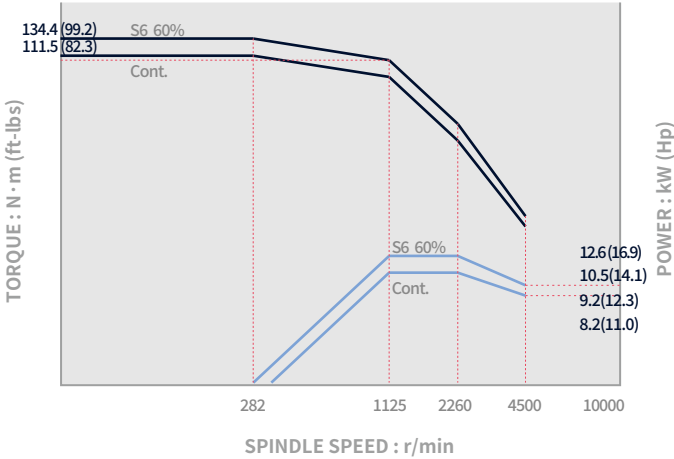
Lynx 2100 A/LA/MA/LMA/LMSA/B/LB/LMB/LMSB/LC/LMC/LMSC

## SIEMENS

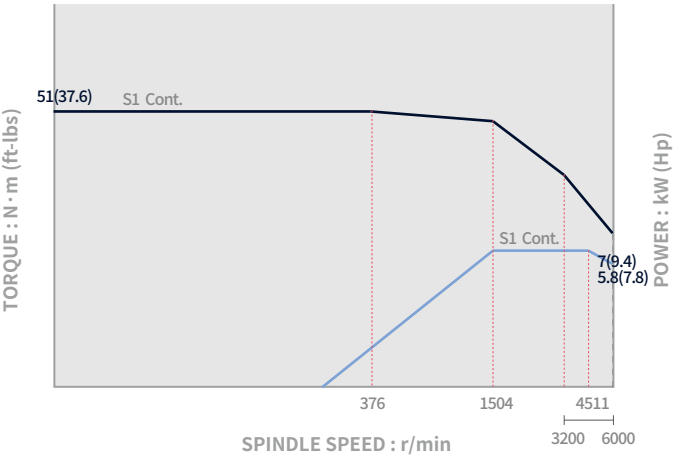
Main spindle\_ Lynx 2100A / LA / MA / LMA / LMSA



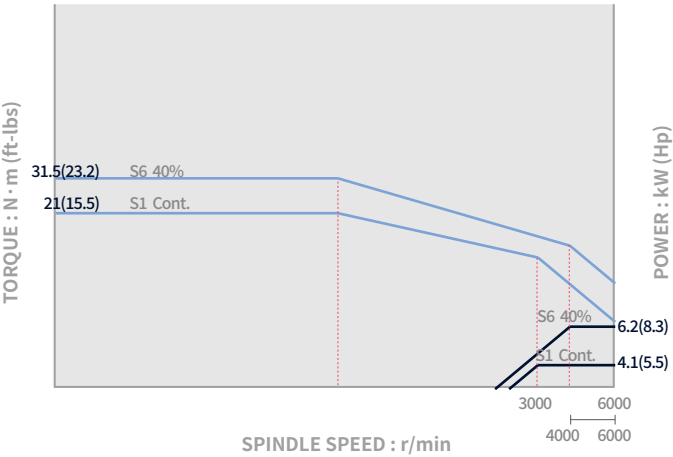
Main spindle\_ Lynx 2100B / LB / MB / LMB / LMSB



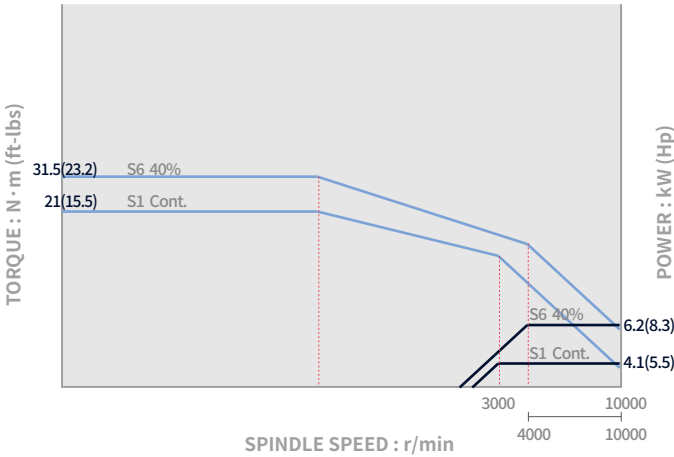
Sub spindle\_ Lynx 2100LMSA / LMSB



Rotary tool\_ Lynx 2100M / LM / LMS



Rotary tool\_ Lynx 2100M / LM / LMS **OPTION**

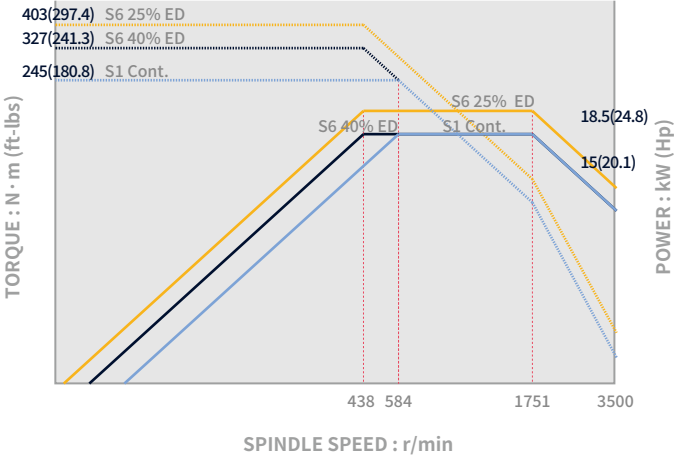


# POWER | TORQUE

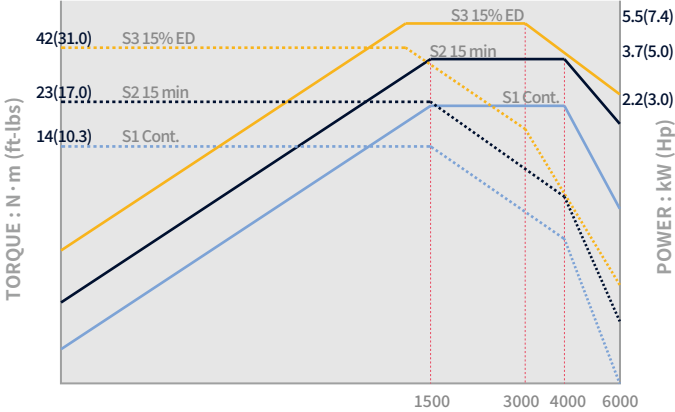
Lynx 2600/M

## FANUC

Main spindle\_ Lynx 2600/M

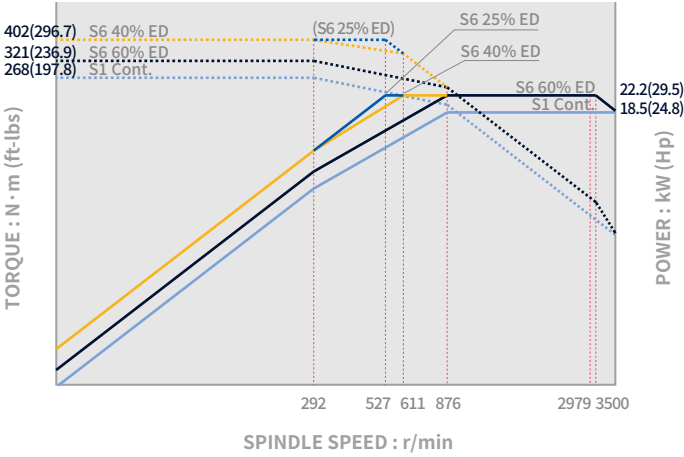


Rotary tool\_ Lynx 2600M

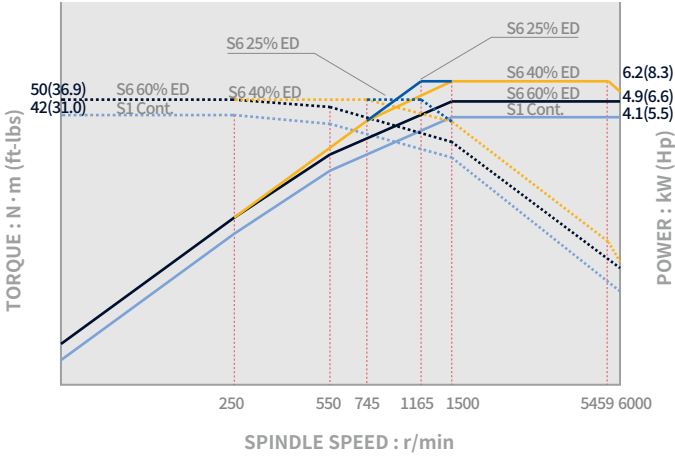


## SIEMENS

Main spindle\_ Lynx 2600/M

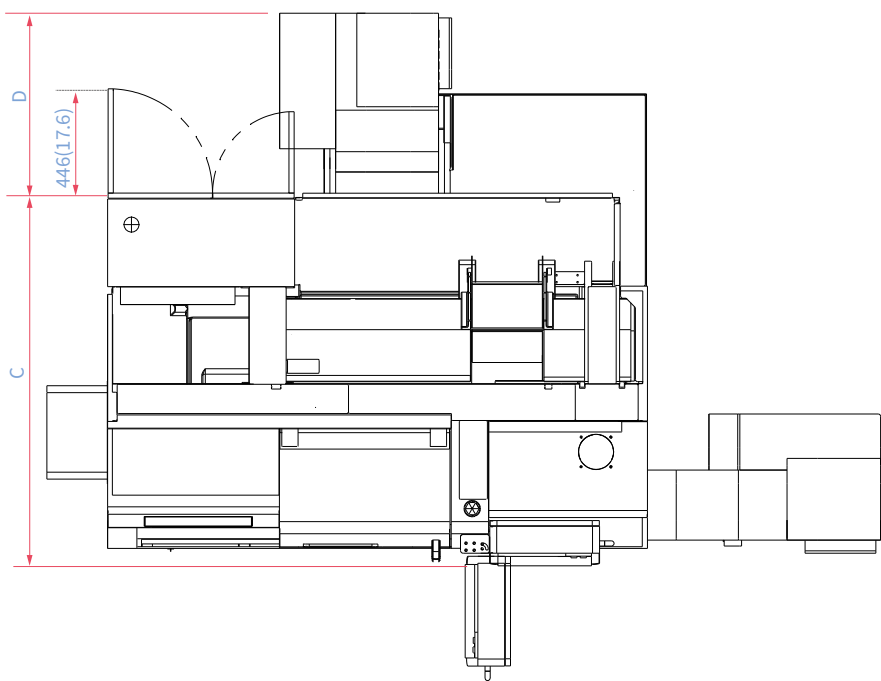


Rotary tool\_ Lynx 2600M

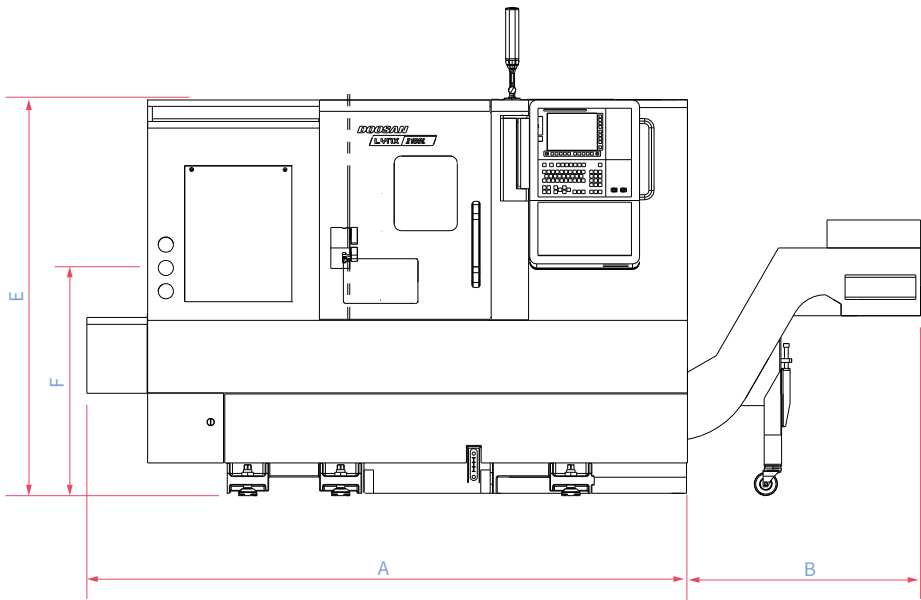


# EXTERNAL DIMENSIONS

TOP



FRONT

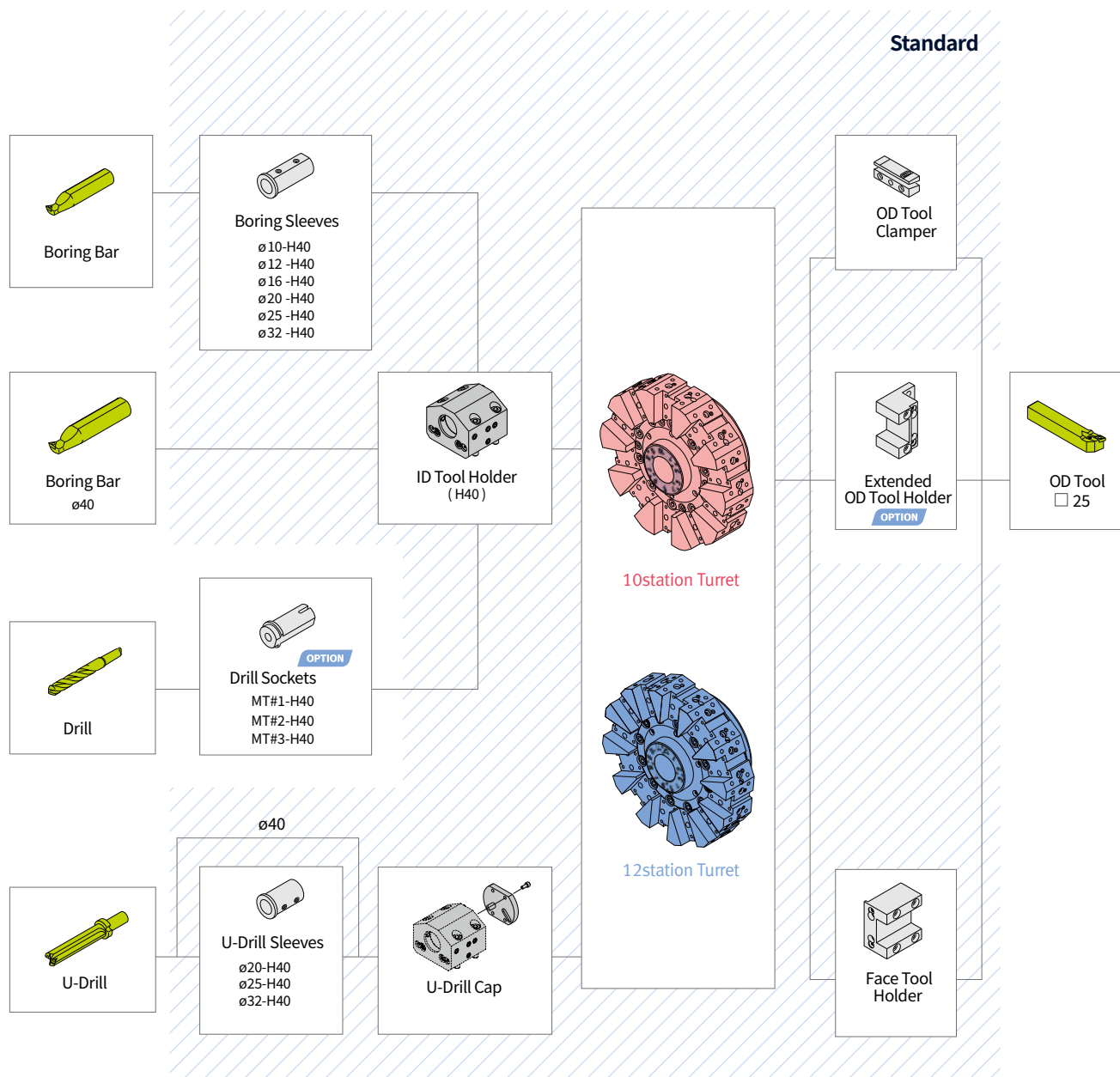


| Model                        | A                              | B                         | C           | D                         | E           | F              |
|------------------------------|--------------------------------|---------------------------|-------------|---------------------------|-------------|----------------|
|                              |                                | Side hinged chip conveyor |             | Rear hinged chip conveyor |             | Spindle center |
| Lynx 2100A / MA [B / MB]     | 2320 [2350]<br>(91.3 [92.5])   | 953 (37.5)                | 1595 (62.8) | 770 (30.3)                | 1693 (66.7) | 1060 (41.7)    |
| Lynx 2100LA / LMA [LB / LMB] | 2540 [2570]<br>(100.0 [101.2]) | 997 (39.3)                | 1595 (62.8) | 770 (30.3)                | 1693 (66.7) | 1070 (42.1)    |
| Lynx 2100LC / LMC            | 2570 (101.2)                   | 997 (39.3)                | 1602 (63.1) | 770 (30.3)                | 1693 (66.7) | 1060 (41.7)    |
| Lynx 2100LMSA [LMSB]         | 2805 [2835]<br>(110.4 [111.6]) | 997 (39.3)                | 1595 (62.8) | 770 (30.3)                | 1693 (66.7) | 1060 (41.7)    |
| Lynx 2100LMSC                | 2837 (111.7)                   | 993 (39.1)                | 1602 (63.1) | 770 (30.3)                | 1693 (66.7) | 1060 (41.7)    |
| Lynx 2600/M                  | 3290 (129.5)                   | 928 (36.5)                | 1665 (65.6) | 1177 (46.3)               | 1790 (70.5) | 1060 (41.7)    |

# TOOLING SYSTEM

**Lynx** 2100A / LA, Lynx 2100B / LB / LC (12 station)

Unit : mm(inch)



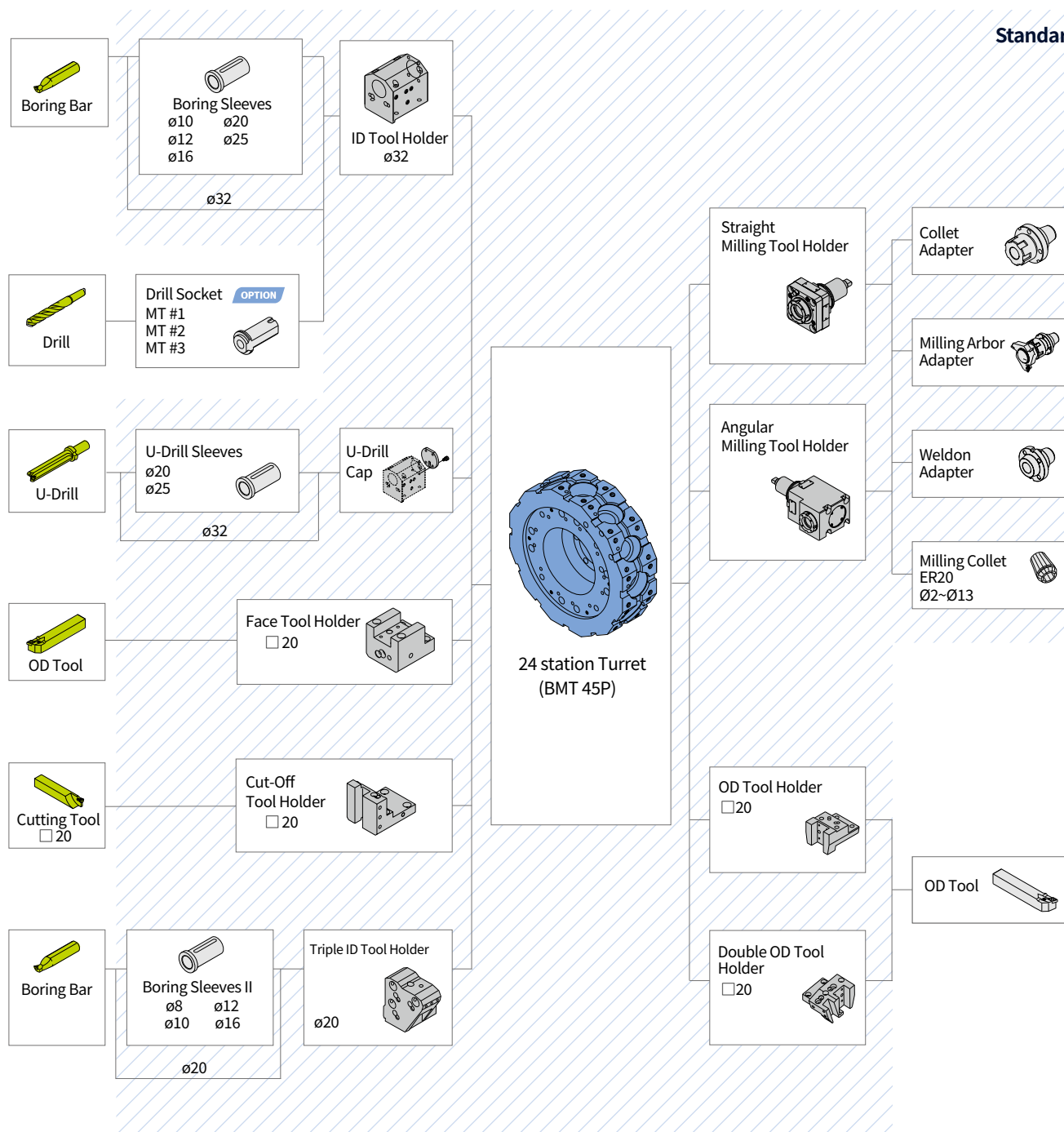
\* Lynx 2100A / B / LA / LB / LC : 12st is STD .

# TOOLING SYSTEM

**Lynx** 2100MA / MB / LMA / LMB / LMC (12 station(24 Position Index), BMT45P)

Unit : mm(inch)

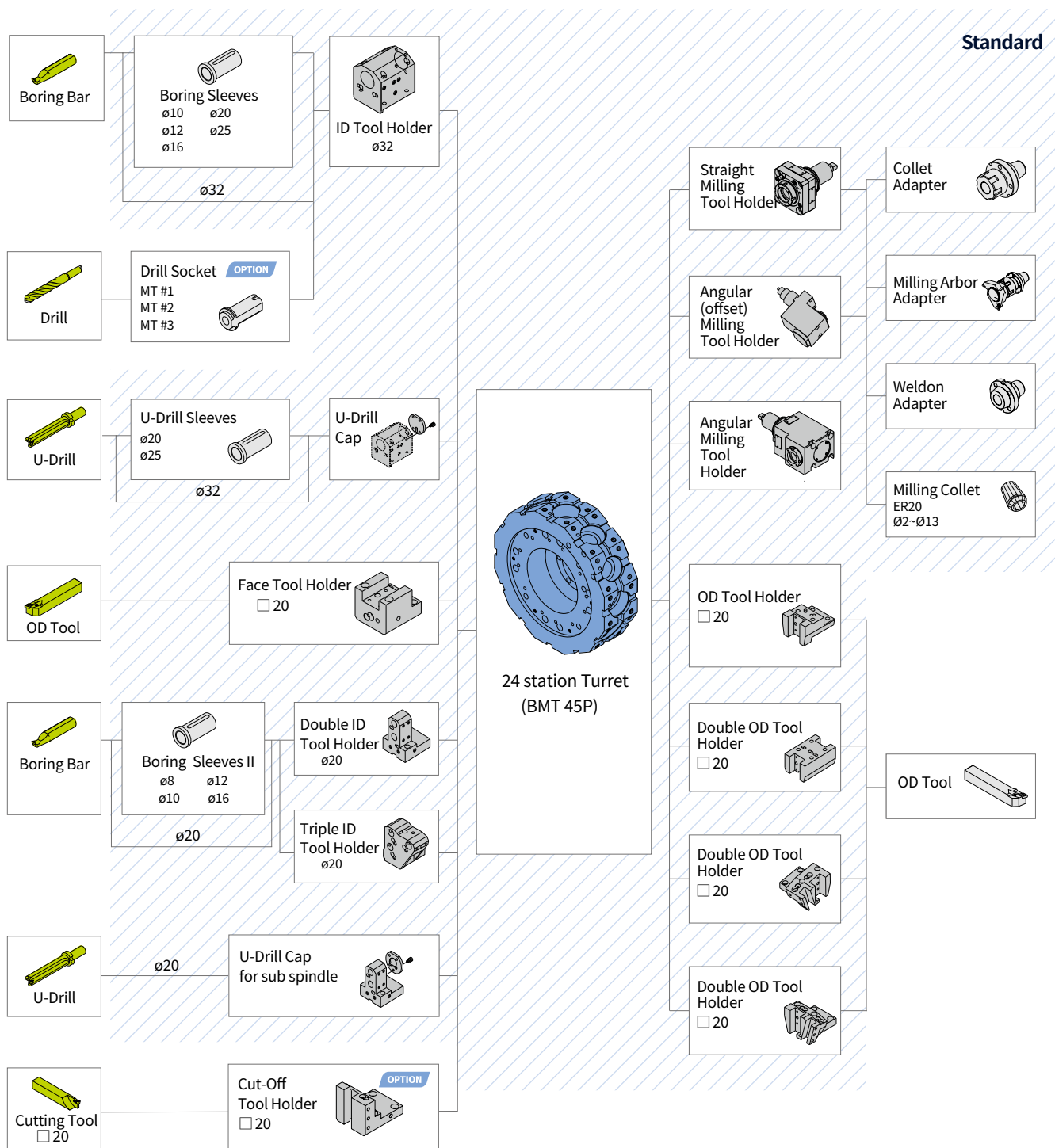
Standard



# TOOLING SYSTEM

**Lynx** 2100LSA / LMSB / LMSC (12 station(24 Position Index), BMT45P)

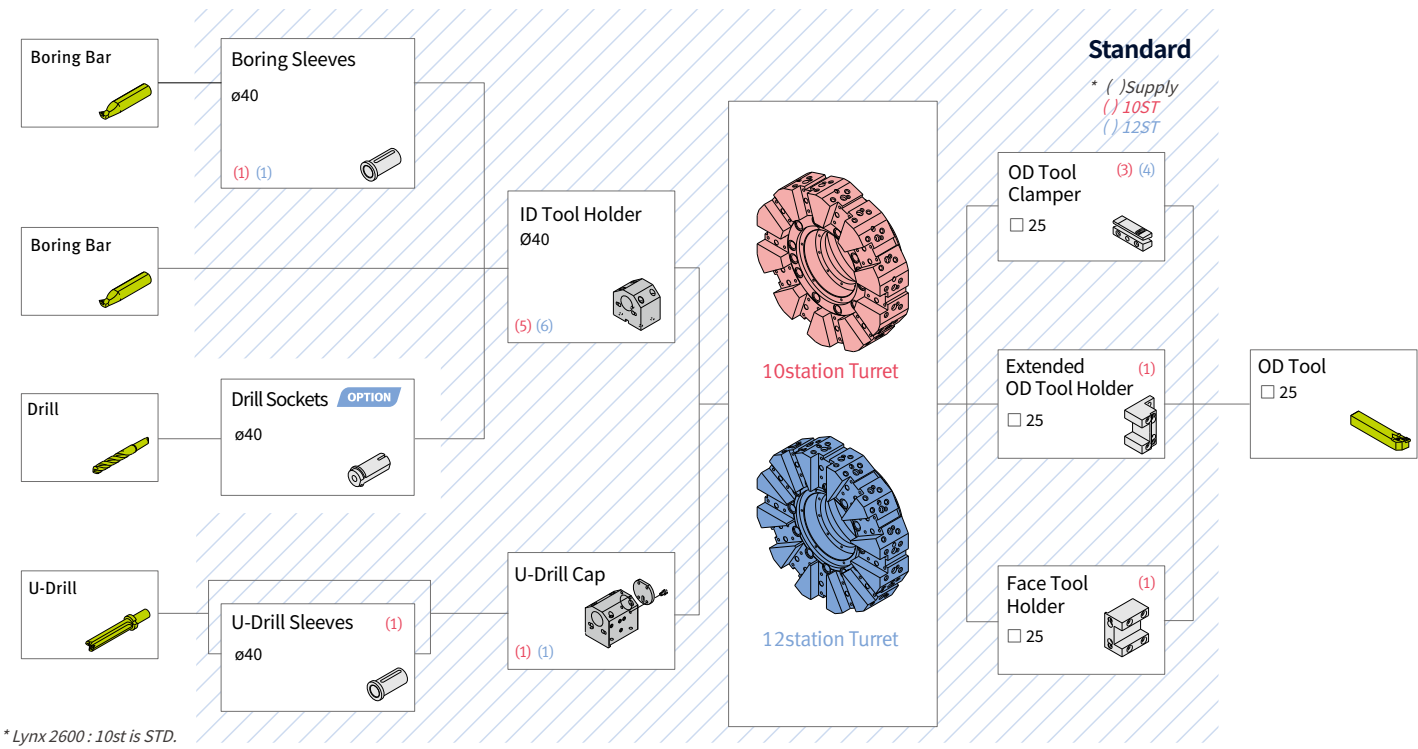
Unit : mm(inch)



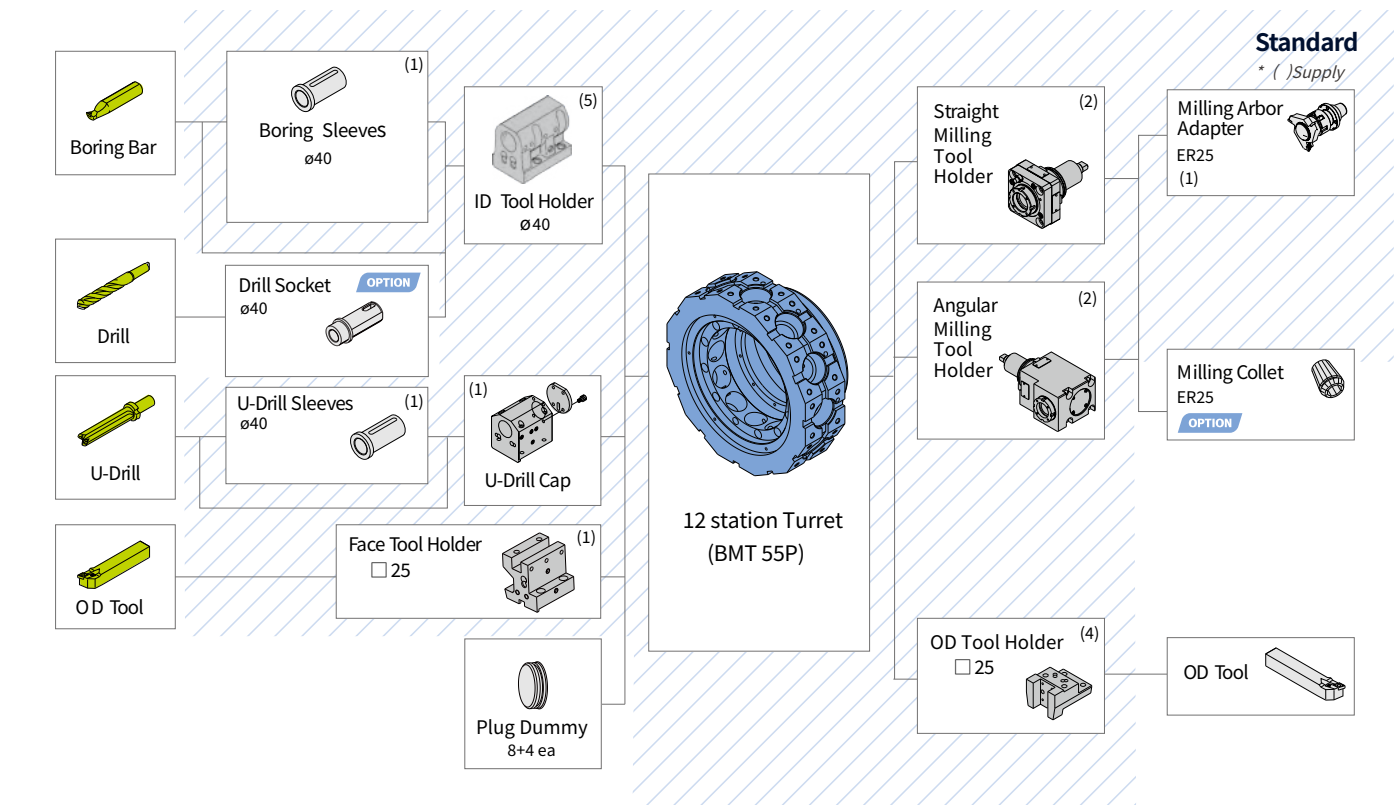
# TOOLING SYSTEM

## Lynx 2600

Unit : mm(inch)



## Lynx 2600M



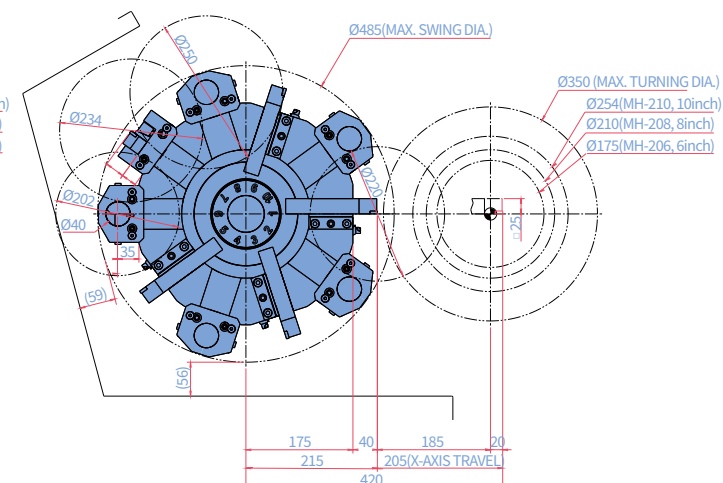
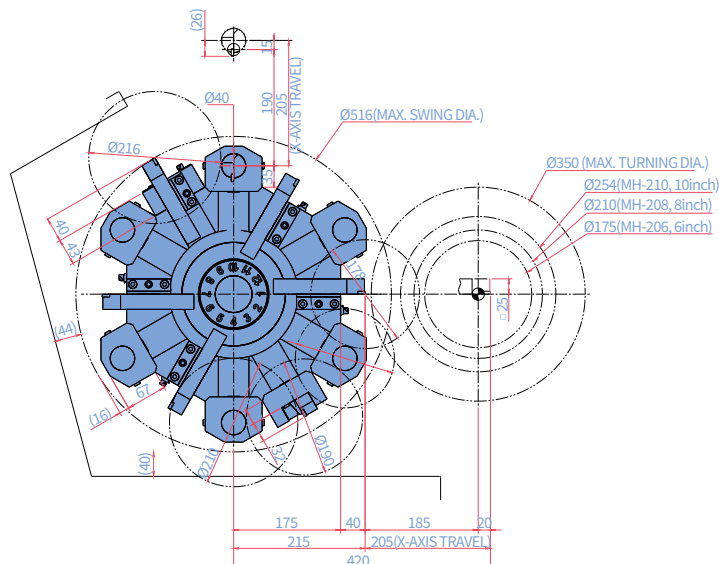
# TOOL INTERFACE

## Lynx 2100A / B / LA / LB / LC\*

Unit : mm (inch)

12st.

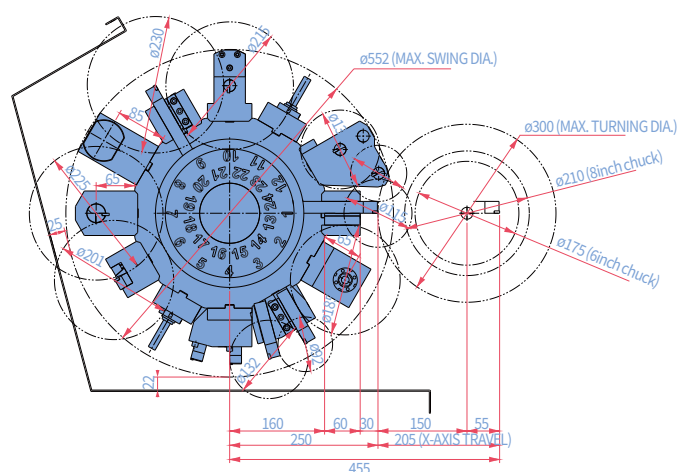
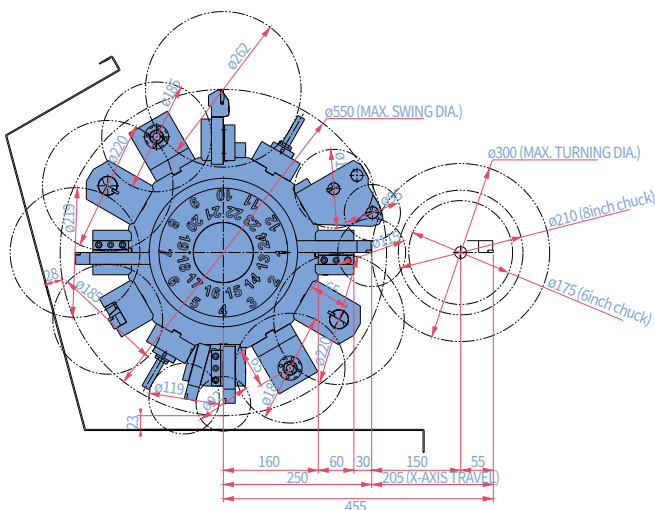
10st. **OPTION**



\* Lynx 2100A / B / LA / LB / LC : 12st is STD.

## Lynx 2100MA / MB / LMA / LMB / LMC

## Lynx 2100LMSA / LMSB / LMSC

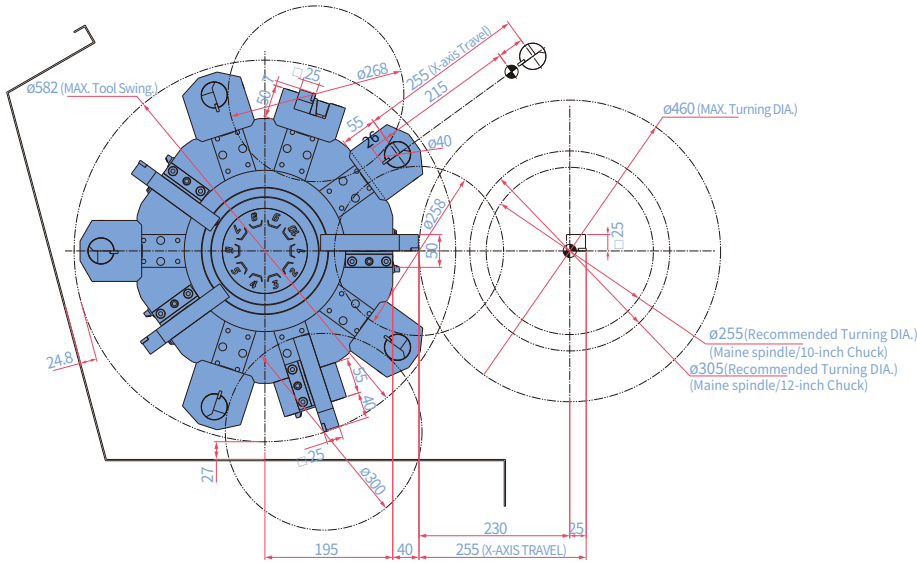


# TOOL INTERFACE

## Lynx 2600

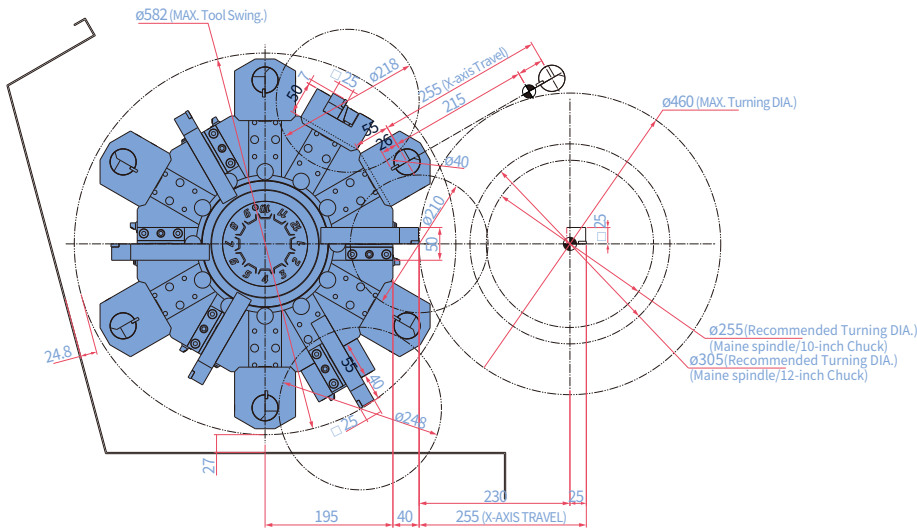
10 st.

Unit : mm(inch)

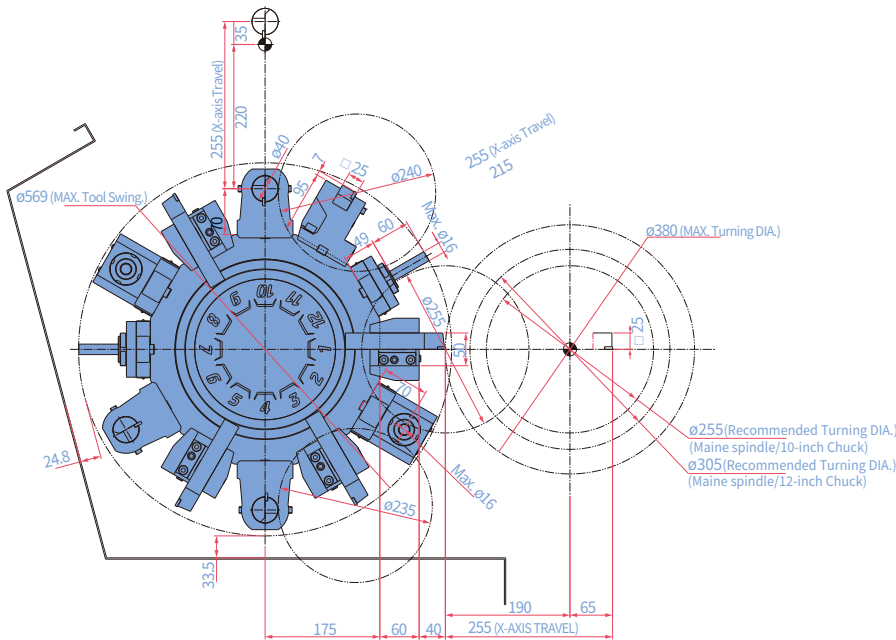


## Lynx 2600

12 st. **OPTION**



## Lynx 2600M

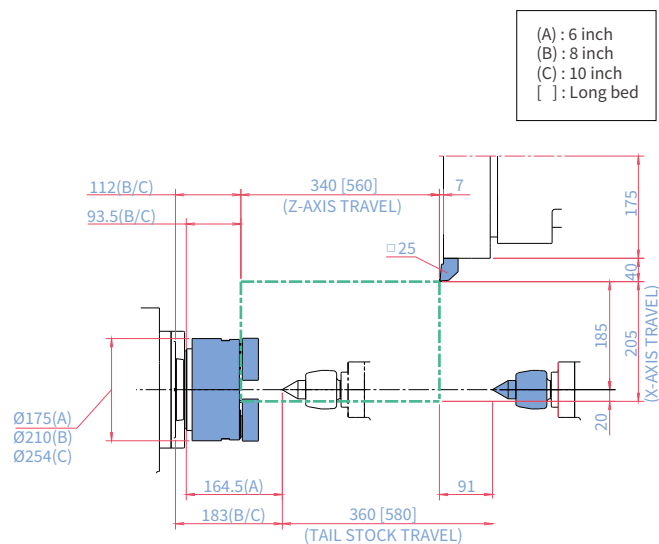


# WORKING RANGE

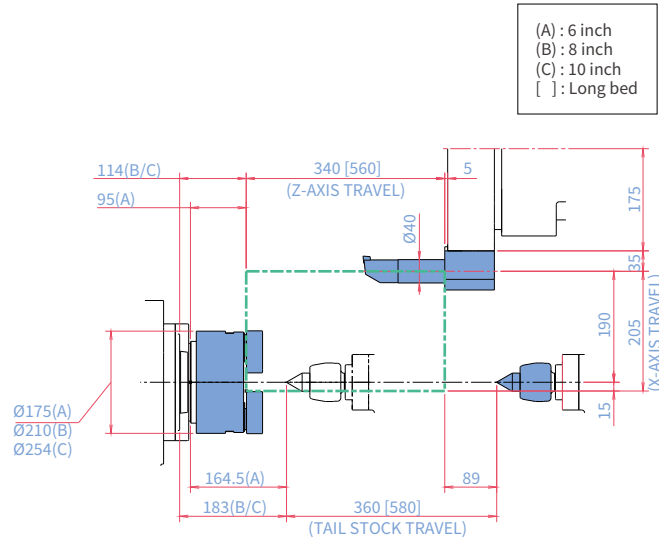
Lynx 2100A / B [LA / LB / LC]

Unit : mm (inch)

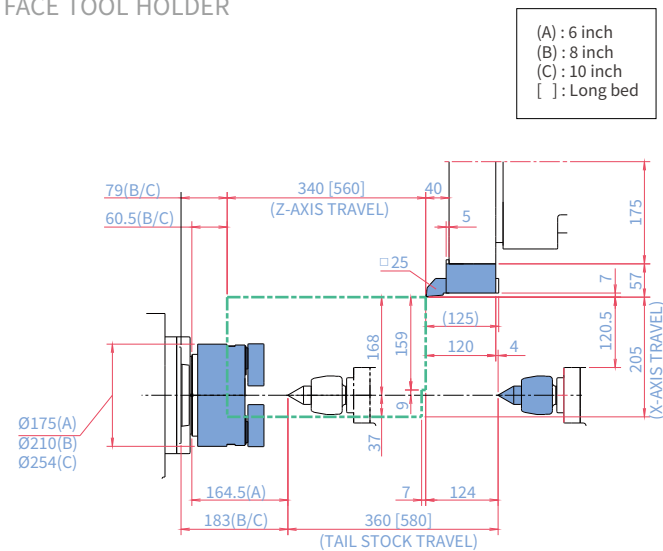
## OD HOLDER



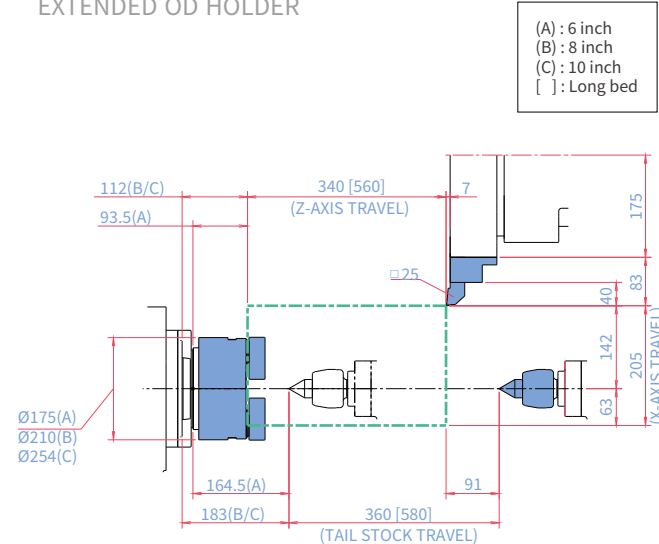
## ID HOLDER



## FACE TOOL HOLDER



## EXTENDED OD HOLDER

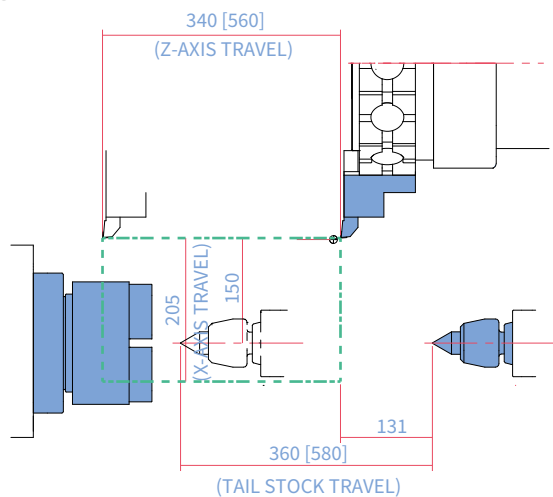


# WORKING RANGE

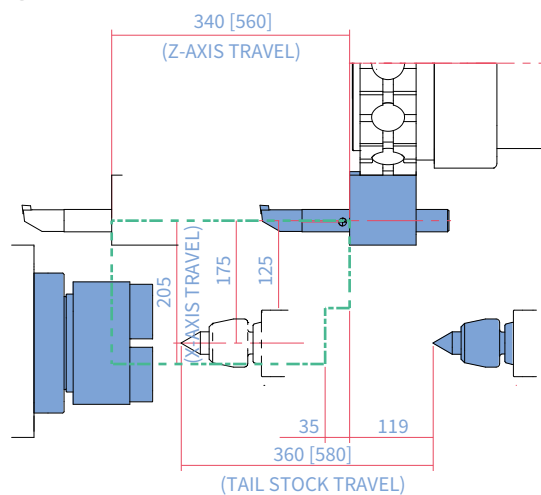
**Lynx** 2100MA / MB [LMA / LMB / LMC]

Unit : mm(inch)

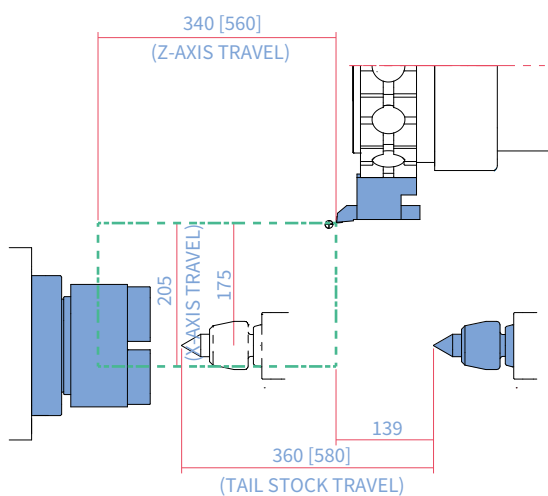
## OD HOLDER



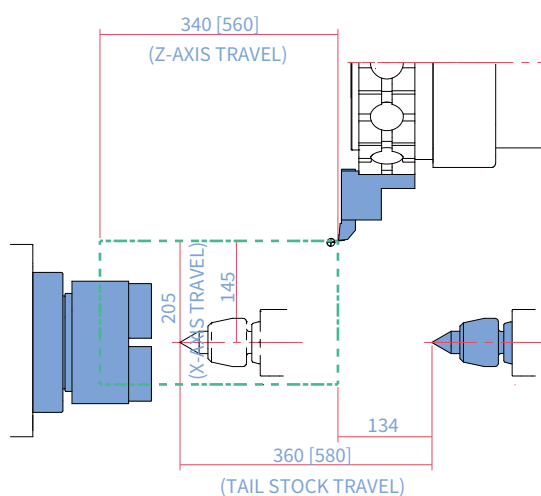
## ID HOLDER



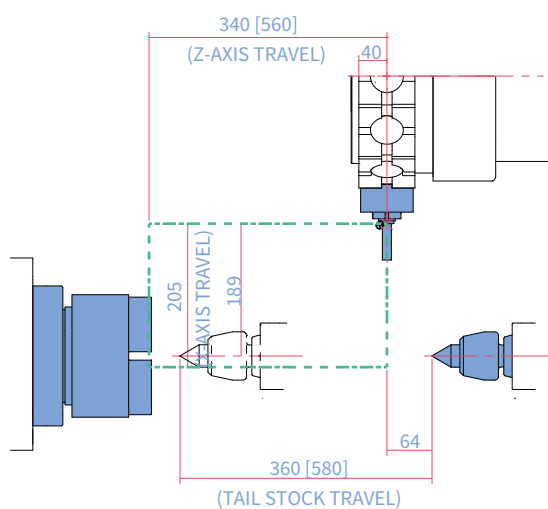
## FACE TOOL HOLDER



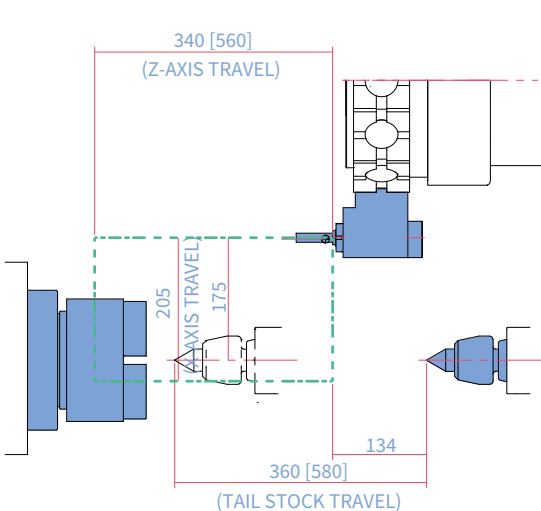
## DOUBLE OD HOLDER



## STRAIGHT MILLING HOLDER



## ANGULAR MILLING HOLDER

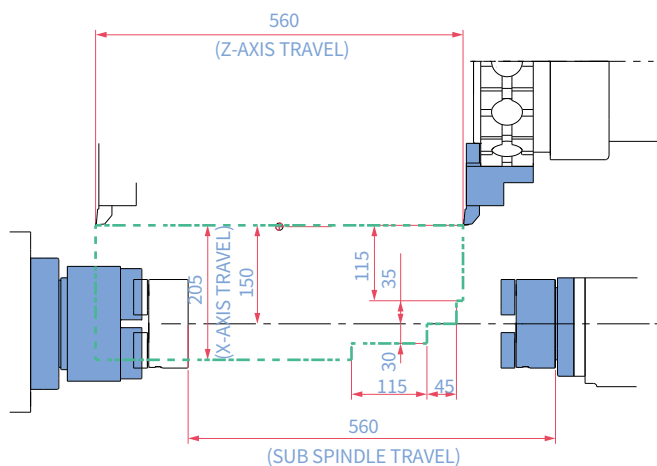


# WORKING RANGE

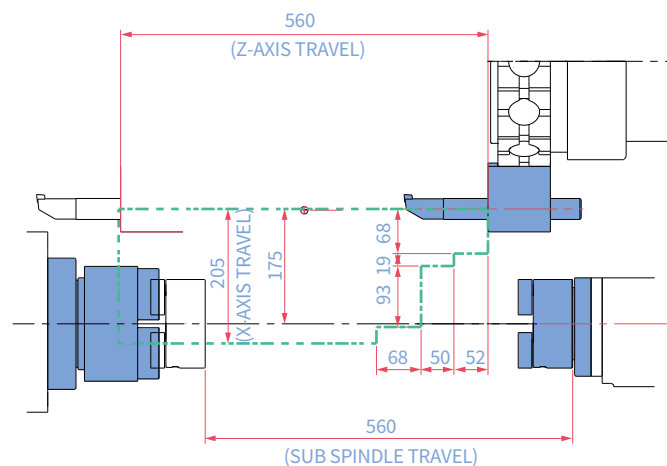
Lynx 2100LMSA / LMSB / LMSC

Unit : mm(inch)

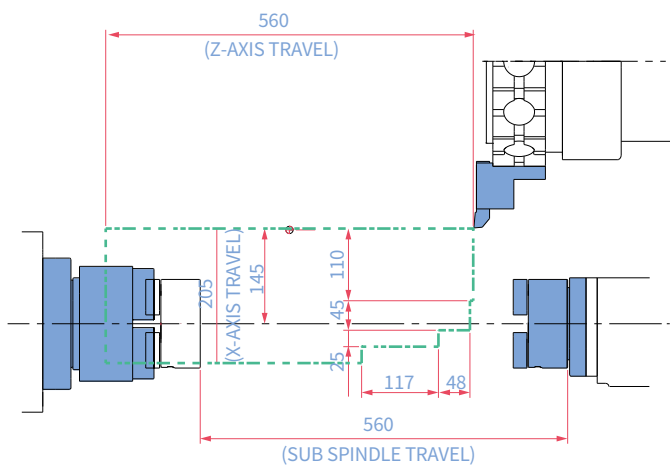
OD HOLDER



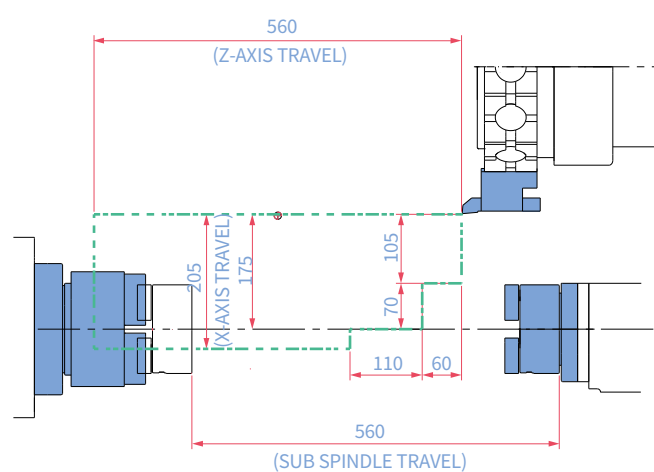
ID HOLDER



DOUBLE OD HOLDER



FACE TOOL HOLDER



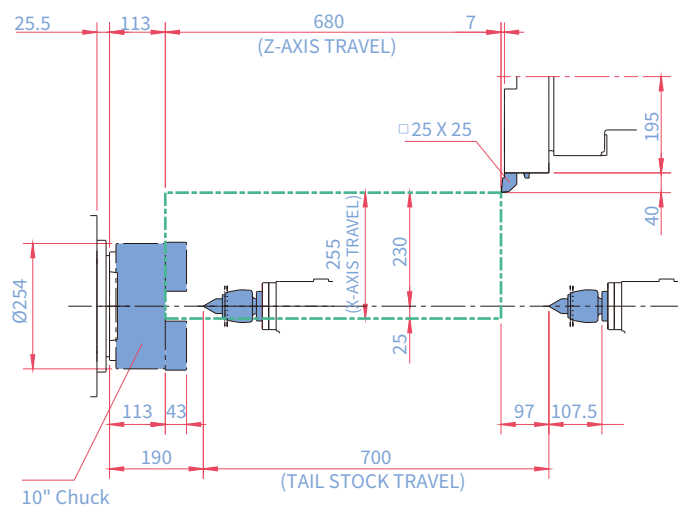
# WORKING RANGE

Lynx 2600

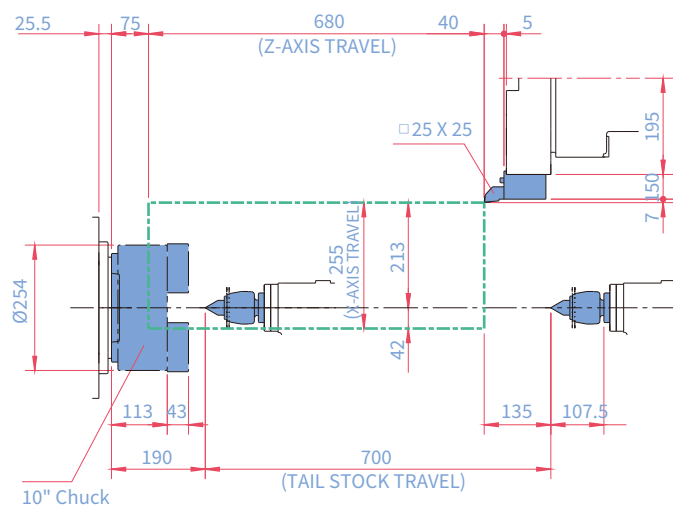
Unit : mm (inch)

## TAIL STOCK (Live Center)

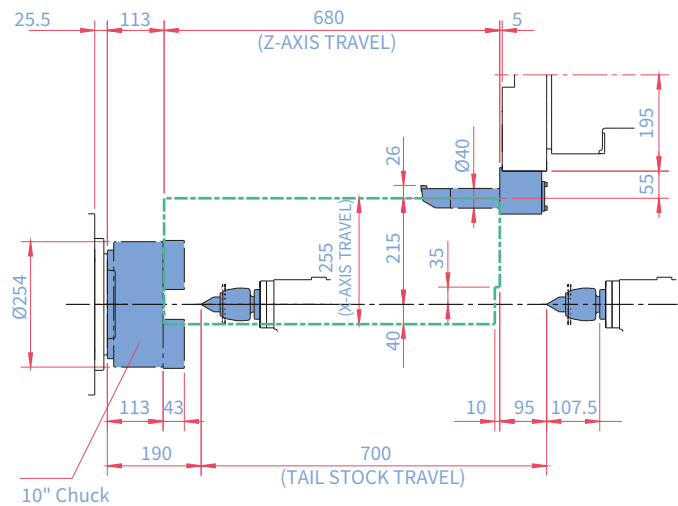
### OD HOLDER



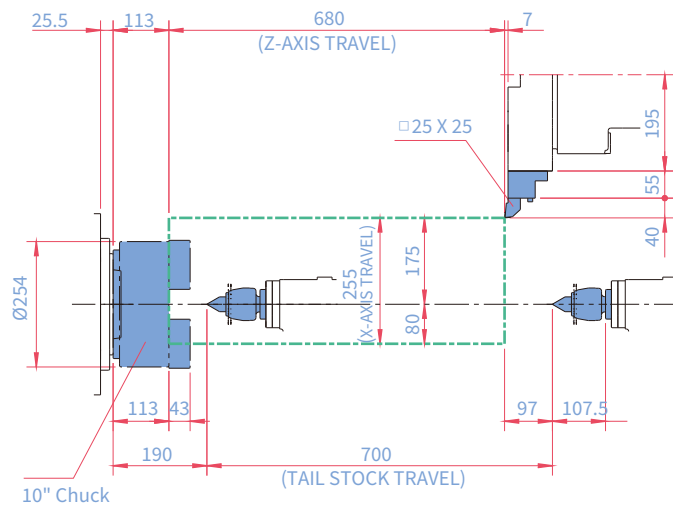
### FACE HOLDER



### ID HOLDER



### EXTENDED OD HOLDER

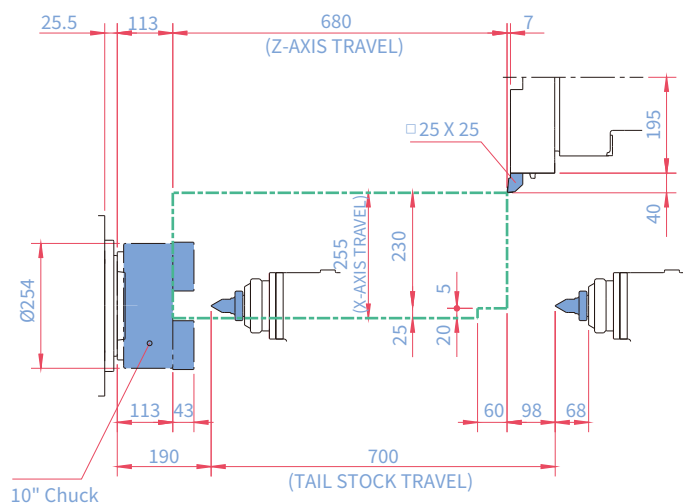


## Lynx 2600

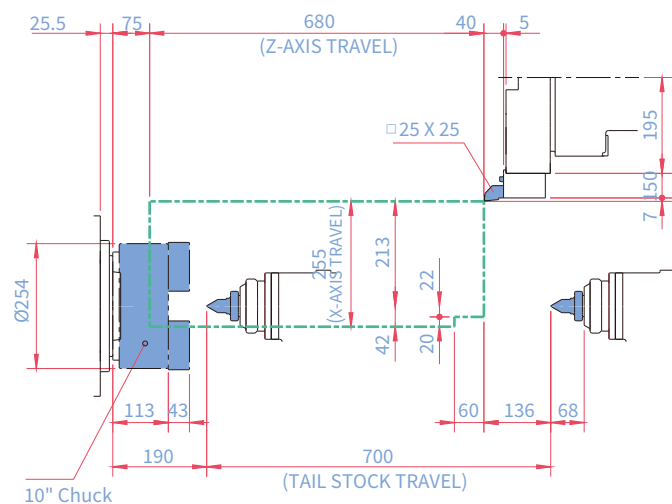
## TAIL STOCK (Dead Center) OPTION

Unit : mm(inch)

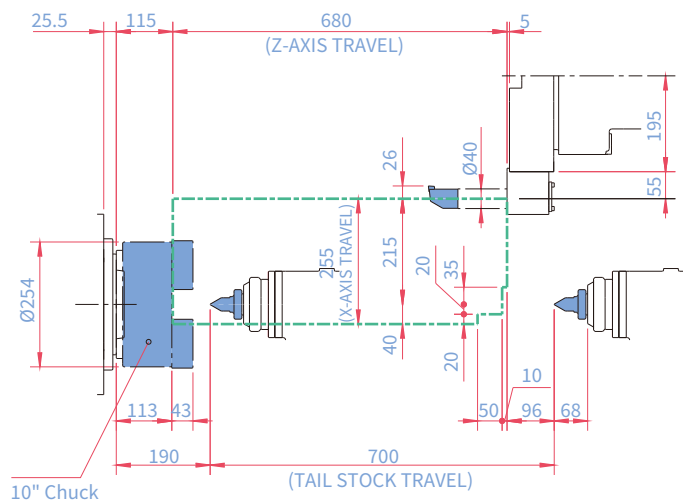
## OD HOLDER



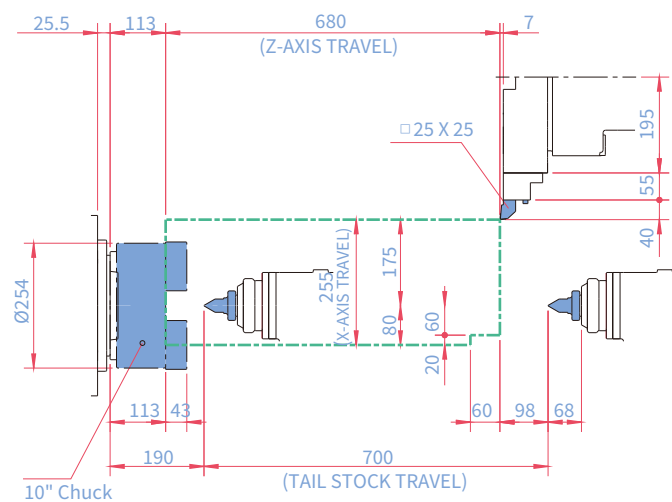
FACE HOLDER



## ID HOLDER



## EXTENDED OD HOLDER

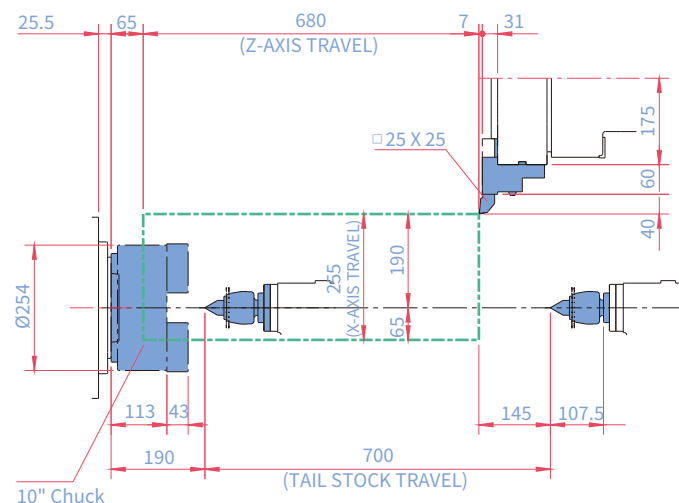


## Lynx 2600M

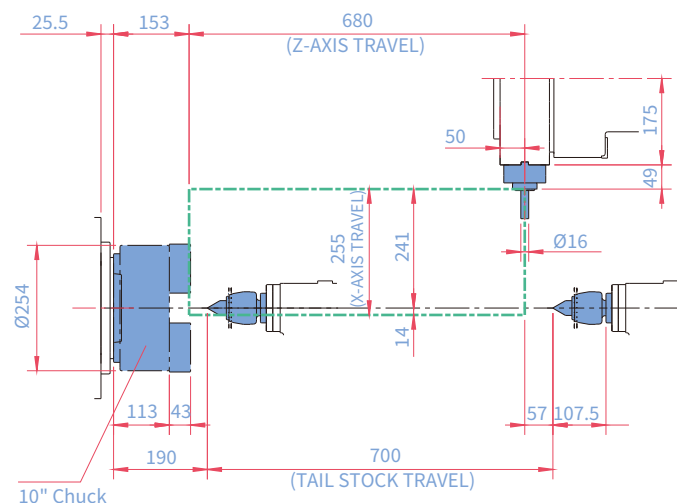
## TAIL STOCK (Live Center)

Unit : mm(inch)

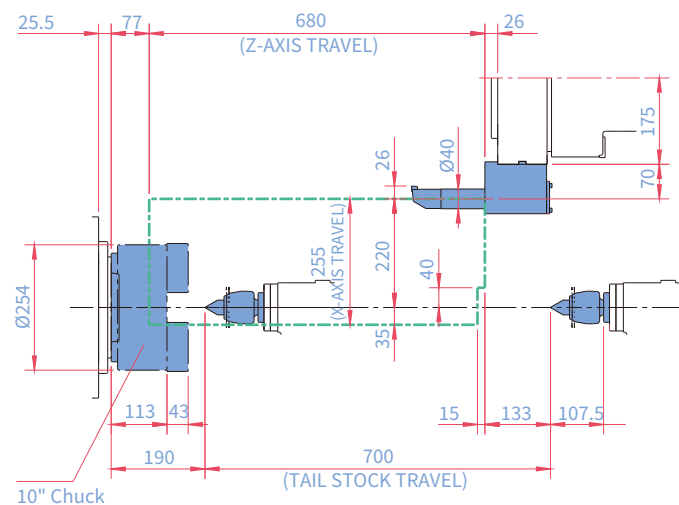
## OD HOLDER



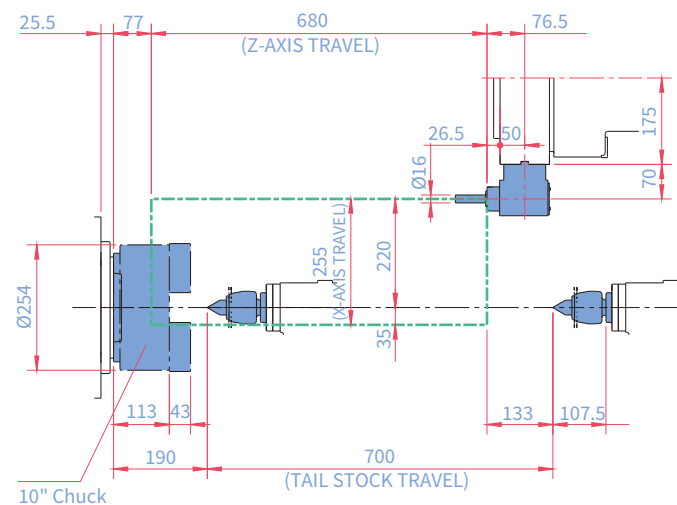
## STRAIGHT MILLING HOLDER



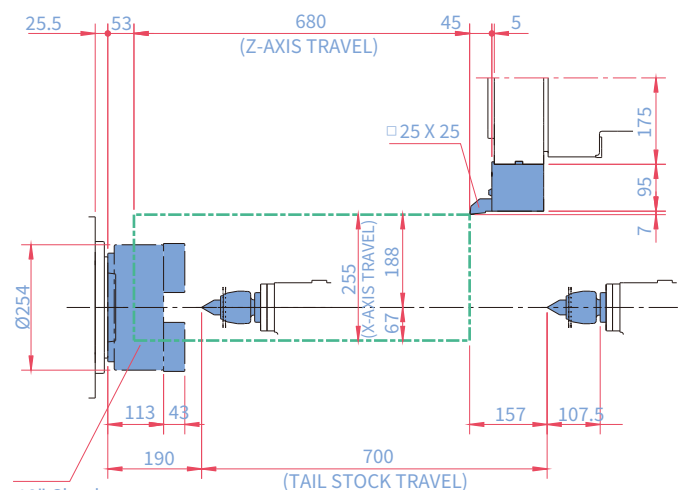
## ID HOLDER



## ANGULAR MILLING HOLDER



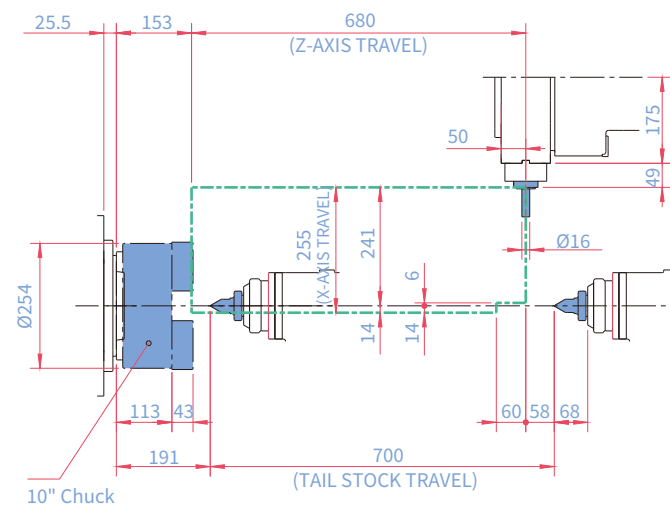
## FACE TOOL HOLDER



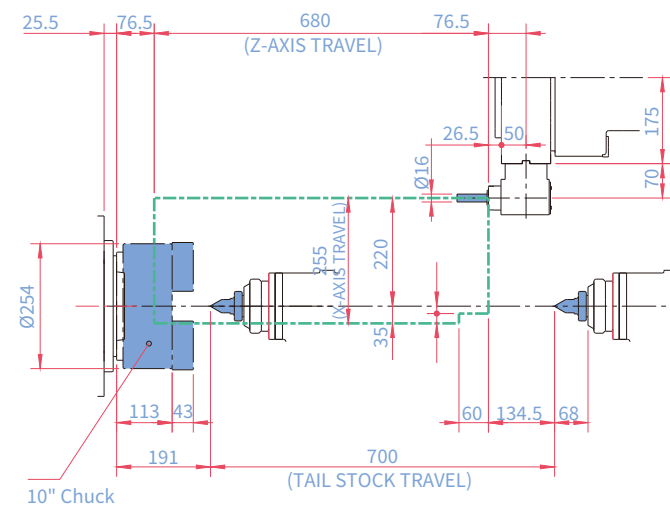
## Lynx 2600M

## Unit : mm(inch)

## STRAIGHT MILLING HOLDER



## ANGULAR MILLING HOLDER

[illegible]

# MACHINE SPECIFICATIONS

| Description        |                                           |        | Unit         | Lynx 2100A [LA]                           | Lynx 2100MA [LMA]                | Lynx 2100LSA         | Lynx 2100B [LB]                           | Lynx 2100MB [LMB]                | Lynx 2100LSB         |   |
|--------------------|-------------------------------------------|--------|--------------|-------------------------------------------|----------------------------------|----------------------|-------------------------------------------|----------------------------------|----------------------|---|
| Capacity           | Swing over bed                            |        | mm (inch)    | 600 (23.6)                                |                                  |                      | 600 (23.6)                                |                                  |                      |   |
|                    | Swing over saddle                         |        | mm (inch)    | 400 (15.7)                                |                                  |                      | 400 (15.7)                                |                                  |                      |   |
|                    | Recommended turning diameter              |        | mm (inch)    | 170 (6.7)                                 |                                  |                      | 210 (8.3)                                 |                                  |                      |   |
|                    | Max. turning diameter                     |        | mm (inch)    | 350 (13.8)                                | 300 (11.8)                       |                      | 350 (13.8)                                | 300 (11.8)                       |                      |   |
|                    | Max. turning length                       |        | mm (inch)    | 330 [550]<br>(13.0 [21.7])                | 290 [510]<br>(11.4 [20.1])       | 510 (20.1)           | 330 [550]<br>(13.0 [21.7])                | 290 [510]<br>(11.4 [20.1])       | 510 (20.1)           |   |
|                    | Chuck size                                |        | inch         | 6 {8}*                                    |                                  |                      | 8 {10}*                                   | 8 {10}*                          |                      |   |
|                    | Bar working diameter                      |        | mm (inch)    | 51 (2.0)                                  |                                  |                      | 67 (2.6)                                  |                                  |                      |   |
| Travel             | Travel distance                           | X-axis | mm (inch)    | 205 (8.1)                                 |                                  |                      | 205 (8.1)                                 |                                  |                      |   |
|                    |                                           | Z-axis | mm (inch)    | 340 [560] (13.4 [22.0])                   |                                  | 560                  | 340 [560] (13.4 [22.0])                   |                                  | 560 (22.0)           |   |
| Feedrate           | Rapid traverse                            | X-axis | m/min (ipm)  | 30 (1181.1)                               |                                  |                      | 30 (1181.1)                               |                                  |                      |   |
|                    |                                           | Z-axis | m/min (ipm)  | 36 (1417.3)                               |                                  |                      | 36 (1417.3)                               |                                  |                      |   |
| Spindle            | Spindle speed                             |        | r/min        | 6000                                      |                                  |                      | 4500                                      |                                  |                      |   |
|                    | Spindle moter power (15min/Cont.)         |        | kW (Hp)      | 15/11 (20.1/14.8)                         |                                  |                      | 15/11 (20.1/14.8)                         |                                  |                      |   |
|                    | Max. spindle torque                       |        | N·m (ft·lbs) | 127 (93.7)                                |                                  |                      | 169 (124.6)                               |                                  |                      |   |
|                    | Spdinel nose                              |        | ASA          | A2-5                                      |                                  |                      | A2-6                                      |                                  |                      |   |
|                    | Spindle bearing diameter                  |        | mm (inch)    | 90 (3.5)                                  |                                  |                      | 110 (4.3)                                 |                                  |                      |   |
|                    | Spindle inner diameter                    |        | mm (inch)    | 61 (2.4)                                  |                                  |                      | 76 (3.0)                                  |                                  |                      |   |
|                    | C-axis min.indexing angle                 |        | deg          | -                                         | 0.001                            |                      | -                                         | 0.001                            |                      |   |
| Turret             | No.of tool stations                       |        | ea           | 12{10}                                    | 12                               |                      | 12{10}                                    | 12                               |                      |   |
|                    | OD tool size                              |        | mm (inch)    | □25 x 25<br>(1.0 x 1.0)                   | □20 x 20<br>(0.8 x 0.8)          |                      | □25 x 25<br>(1.0 x 1.0)                   | □20 x 20<br>(0.8 x 0.8)          |                      |   |
|                    | Max.ID tool size                          |        | mm (inch)    | Ø40 (Ø1.6)                                | Ø32 (Ø1.3)                       |                      | Ø40 (Ø1.6)                                | Ø32 (Ø1.3)                       |                      |   |
|                    | Turret indexing time                      |        | s            | 0.11 {0.15}*                              | 0.11                             |                      | 0.11 {0.15}*                              | 0.11                             |                      |   |
|                    | Max.rotary tool speed                     |        | r/min        | -                                         | 6000 {10000}*                    |                      | -                                         | 6000 {10000}*                    |                      |   |
|                    | Ratary tool motor power (FANUC)           |        | kW (Hp)      | -                                         | 3.7 (5.0)                        |                      | -                                         | 3.7 (5.0)                        |                      |   |
| Tail stock         | Rotary tool motor power (SIEMENS)         |        | kW (Hp)      | 360 [580] (14.1 [22.8])                   |                                  |                      | -                                         | 360 [580] (14.1 [22.8])          |                      | - |
|                    | Quill taper                               |        | MT           | MT#4 (Live)                               |                                  |                      | -                                         | MT#4 (Live)                      |                      | - |
| Sub spindle        | Spindle speed                             |        |              | -                                         | -                                | 6000                 | -                                         | -                                | 6000                 |   |
|                    | Spindle moter power (15min/cont.) (FANUC) |        | kW (Hp)      | -                                         | -                                | 5.5/3.7<br>(7.4/5.0) | -                                         | -                                | 5.5/3.7<br>(7.4/5.0) |   |
|                    | Max. spindle torque                       |        | N·m (ft·lbs) | -                                         | -                                | 47 (34.7)            | -                                         | -                                | 47 (34.7)            |   |
|                    | Spdinel nose                              |        |              | -                                         | -                                | Flat ø110            | -                                         | -                                | Flat ø110            |   |
|                    | Spindle bearing diameter                  |        | mm (inch)    | -                                         | -                                | 75                   | -                                         | -                                | 75                   |   |
|                    | Spindle inner diameter                    |        | mm (inch)    | -                                         | -                                | 43 (1.7)             | -                                         | -                                | 43 (1.7)             |   |
|                    | C-axis min.indexing angle                 |        | deg          | -                                         | -                                | 0.001                | -                                         | -                                | 0.001                |   |
| Power source       | Power consumption                         |        | kVA          | 24.21                                     | 24.21                            | 30.07                | 24.21                                     | 24.21                            | 30.07                |   |
| Machine dimensions | Length                                    |        | mm (inch)    | 2320 [2540]<br>(91.3 [100.0])             | 2320 [2540]<br>(91.3 [100.0])    | 2805<br>(110.4)      | 2350 [2570]<br>(92.5 [101.2])             |                                  | 2835<br>(111.6)      |   |
|                    | Width                                     |        | mm (inch)    | 1595 (62.8)                               |                                  |                      | 1595 (62.8)                               |                                  |                      |   |
|                    | Height                                    |        | mm (inch)    | 1693 (66.7)                               |                                  |                      | 1693 (66.7)                               |                                  |                      |   |
|                    | Weight                                    |        | kg (lb)      | 3100 [3400]<br>(6834.2 [7495.6])          | 3170 [3480]<br>(6988.6 [7672.0]) | 3600<br>(7936.5)     | 3100 [3400]<br>(6834.2 [7495.6])          | 3170 [3480]<br>(6988.6 [7672.0]) | 3500<br>(7716.1)     |   |
| Control            | NC system                                 |        |              | DN Solutions Fanuc i Plus , SIEMENS S828D |                                  |                      | DN Solutions Fanuc i Plus , SIEMENS S828D |                                  |                      |   |

\*{}: Option

# MACHINE SPECIFICATIONS

| Description        |                                           |        | Unit         | Lynx 2100LC                               | Lynx 2100LMC         | Lynx 2100LMSC     | Lynx 2600                                 | Lynx 2600M           |
|--------------------|-------------------------------------------|--------|--------------|-------------------------------------------|----------------------|-------------------|-------------------------------------------|----------------------|
| Capacity           | Swing over bed                            |        | mm (inch)    | 600 (23.6)                                |                      |                   | 630 (24.8)                                |                      |
|                    | Swing over saddle                         |        | mm (inch)    | 400 (15.7)                                |                      |                   | 460 (18.1)                                |                      |
|                    | Recommended turning diameter              |        | mm (inch)    | 255 (10.0)                                |                      |                   | 255 (10.0)                                |                      |
|                    | Max. turning diameter                     |        | mm (inch)    | 350 (13.8)                                | 300 (11.8)           |                   | 460 (18.1)                                | 380 (15.0)           |
|                    | Max. turning length                       |        | mm (inch)    | 537 (21.1)                                | 497 (19.6)           |                   | 658 (25.9)                                | 610 (24.0)           |
|                    | Chuck size                                |        | inch         | 10                                        |                      |                   | 10                                        |                      |
|                    | Bar working diameter                      |        | mm (inch)    | 81 (3.2)                                  |                      |                   | 81 (3.2)                                  |                      |
| Travel             | Travel distance                           | X-axis | mm (inch)    | 205 (8.1)                                 |                      |                   | 255 (10.0)                                |                      |
|                    |                                           | Z-axis | mm (inch)    | 560 (22.0)                                |                      |                   | 680 (26.8)                                |                      |
| Feedrate           | Rapid traverse                            | X-axis | m/min (ipm)  | 30 (1181.1)                               |                      |                   | 30 (1181.1)                               |                      |
|                    |                                           | Z-axis | m/min (ipm)  | 36 (1417.3)                               |                      |                   | 30 (1181.1)                               |                      |
| Spindle            | Spindle speed                             |        | r/min        | 3500                                      |                      |                   | 3500                                      |                      |
|                    | Spindle moter power (15min/Cont.)         |        | kW (Hp)      | 18.5/15 (24.8/20.1)                       |                      |                   | 18.5/15 (24.8/20.1)                       |                      |
|                    | Max. spindle torque                       |        | N·m (ft·lbs) | 269 (198.5)                               |                      |                   | 403 (297.4)                               |                      |
|                    | Spdinel nose                              |        | ASA          | A2-8                                      |                      |                   | A2-8                                      |                      |
|                    | Spindle bearing diameter                  |        | mm (inch)    | 130 (5.1)                                 |                      |                   | 130 (5.1)                                 |                      |
|                    | Spindle inner diameter                    |        | mm (inch)    | 91 (3.6)                                  |                      |                   | 91 (3.6)                                  |                      |
|                    | C-axis min.indexing angle                 |        | deg          | -                                         | 0.001                |                   | -                                         | 0.001                |
| Turret             | No.of tool stations                       |        | ea           | 12{10}                                    | 12                   |                   | 10{12}                                    | 12                   |
|                    | OD tool size                              |        | mm (inch)    | □25 x 25 (1.0 x 1.0)                      | □20 x 20 (0.8 x 0.8) |                   | □25 x 25 (1.0 x 1.0)                      | □25 x 25 (1.0 x 1.0) |
|                    | Max.ID tool size                          |        | mm (inch)    | Ø40 (Ø1.6)                                | Ø32 (Ø1.3)           |                   | Ø40 (Ø1.6)                                | Ø32 (Ø1.3)           |
|                    | Turret indexing time                      |        | s            | 0.15                                      | 0.11                 |                   | 0.15                                      | 0.15                 |
|                    | Max.rotary tool speed                     |        | r/min        | -                                         | 6000 {10000}*        |                   | -                                         | 6000 {10000}*        |
|                    | Ratary tool motor power (FANUC)           |        | kW (Hp)      | -                                         | 3.7 (5.0)            |                   | -                                         | 5.5 (7.4)            |
| Tail stock         | Rotary tool motor power (SIEMENS)         |        | kW (Hp)      | 580 (22.8)                                |                      | -                 | 700 (938.7)                               |                      |
|                    | Quill taper                               |        | MT           | MT#4 (Live)                               |                      | -                 | MT#4(Live) {MT#4(Dead)}                   |                      |
| Sub spindle        | Spindle speed                             |        |              | -                                         | -                    | 6000              | -                                         | -                    |
|                    | Spindle moter power (15min/cont.) (FANUC) |        | kW (Hp)      | -                                         | -                    | 5.5/3.7 (7.4/5.0) | -                                         | -                    |
|                    | Max. spindle torque                       |        | N·m (ft·lbs) | -                                         | -                    | 47 (34.7)         | -                                         | -                    |
|                    | Spdinel nose                              |        |              | -                                         | -                    | Flat Ø110         | -                                         | -                    |
|                    | Spindle bearing diameter                  |        | mm (inch)    | -                                         | -                    | 75 (3.0)          | -                                         | -                    |
|                    | Spindle inner diameter                    |        | mm (inch)    | -                                         | -                    | 43 (1.7)          | -                                         | -                    |
|                    | C-axis min.indexing angle                 |        | deg          | -                                         | -                    | 0.001             | -                                         | -                    |
| Power source       | Power consumption                         |        | kVA          | 32.46                                     | 32.46                | 34.49             | 28.19                                     | 28.34                |
| Machine dimensions | Length                                    |        | mm (inch)    | 2570 (101.2)                              | 2570 (101.2)         | 2837 (111.7)      | 3290 (129.5)                              |                      |
|                    | Width                                     |        | mm (inch)    | 1602 (63.1)                               |                      |                   | 1778 (70.0)                               |                      |
|                    | Height                                    |        | mm (inch)    | 1693 (66.7)                               |                      |                   | 1790 (70.5)                               |                      |
|                    | Weight                                    |        | kg (lb)      | 3450 (7605.8)                             | 3500 (7716.1)        | 4100 (9038.8)     | 4750 (10471.8)                            | 4800 (10582.0)       |
| Control            | NC system                                 |        |              | DN Solutions Fanuc i Plus , SIEMENS S828D |                      |                   | DN Solutions Fanuc i Plus , SIEMENS S828D |                      |

\*{}: Option

The DN Solutions promise, MACHINE GREATNESS, has two important meanings. The first is simple: DN Solutions makes great machines. The second is a challenge to our end-users. With a product line that is this comprehensive, accurate and reliable, we equip our customers to machine greatness. The big question: ***Why should you choose DN Solutions over other options?***

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|                                          |                 |     |                                                                                             |
|------------------------------------------|-----------------|-----|---------------------------------------------------------------------------------------------|
| Global sales and service support network |                 | 51  | <b>Technical centers</b><br>Technical center, Sales support, Service support, Parts support |
| 4                                        | Corporations    | 200 | Service posts                                                                               |
| 155                                      | Dealer networks | 3   | Factories                                                                                   |



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**We' re there for you whenever you need us.**

We help our customers operate at maximum efficiency by providing them with a range of tried, tested and trusted services - from pre-sales consultancy to post-sales support.



### Field services

- On-site service
- Machine installation and testing
- Scheduled preventive maintenance
- Machine repair service



### Parts supply

- Supplying a wide range of original DN Solutions spare parts
- Parts repair service



### Training

- Programming, machine setup and operation
- Electrical and mechanical maintenance
- Applications engineering



### Technical support

- Supports machining methods and technology
- Responds to technical queries
- Provides technical consultancy



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\* Specifications and information contained within this catalogue may be changed without prior notice.