NX-2500 *Series*

NX-2500MT / NX-2500MS / NX-2500YT / NX-2500YS   CNC Turning Center

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NX-2500 series

NX-2500 series is new generation high-rigidity and high-precision turning centers developed by Taiwan Takisawa. NX-2500 is adopts slant bed and box guide way design which increase structural rigidity and stability, 4 different turret specifications with optional Y-axis, and tailstock or sub-spindle configurations which can meet variant application requirements. Moreover, it can be equipped with various high-precision accessories and loading/unloading accessories to achieve automatic production.

01 Specification Options

	NX-2500MT	NX-2500YT	NX-2500MS	NX-2500YS
Built-In Motor Spindle	●	●	●	●
Left C Axis	●	●	●	●
Right C Axis	–	–	●	●
Milling Turret T15 Standard	●	●	●	●
T15 BMT65	◎	◎	◎	◎
T12 Standard	◎	◎	◎	◎
T12 BMT65	◎	◎	◎	◎
Y-Axis	–	●	–	●
Servo Tailstock	●	●	–	–

● Standard   ◎ Optional   – Nope

02 Workpiece Size

NX-2500	MT	YT	MS	YS	
Max. Turning Diameter		400			mm
Max. Turning Length		T15 Std.: 742 (T12 Std.: 731 / T15 BMT65: 736 / T12 BMT65: 736)			mm
Max. Bar Work Capacity Diameter		75 (81 / 91)		75 (81 / 91) / 52 (65)	mm

— A finite element analysis is introduced in the design phase, compared with previous models, the X-axis is reduced to 30 degrees with the ground, and the distribution of internal ribs is improved, improves the rigidity and thermal resistance of the machine effectively. The X, Y and Z axis adopt box guide way design ensures dynamic rigidity and absorbs vibration to maintain accuracy with heavy cutting.
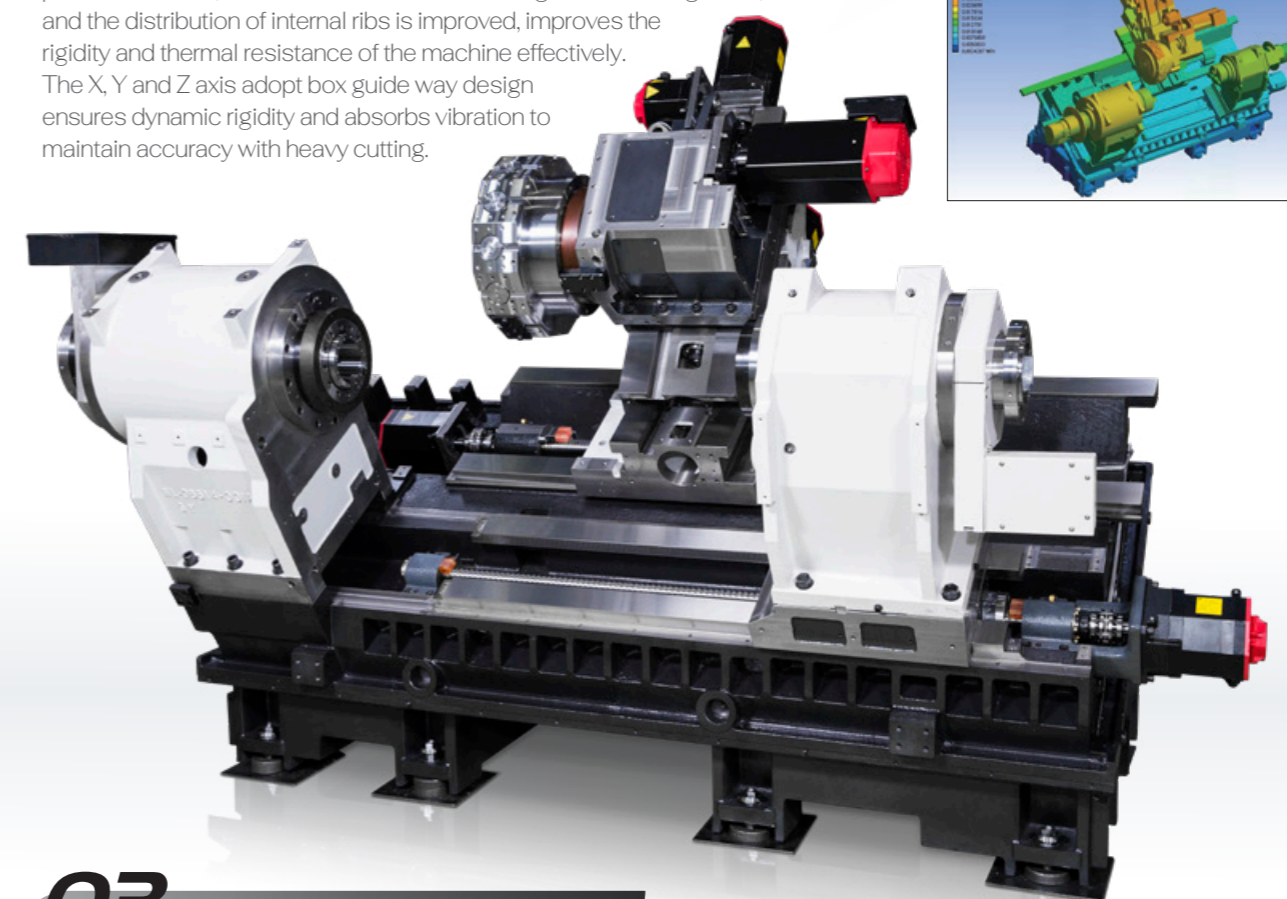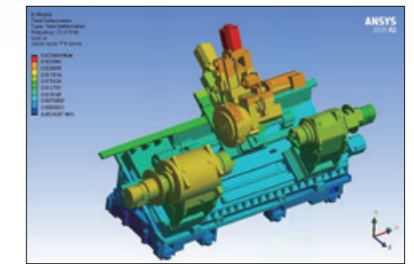
03 Travel & Rapid Traverse

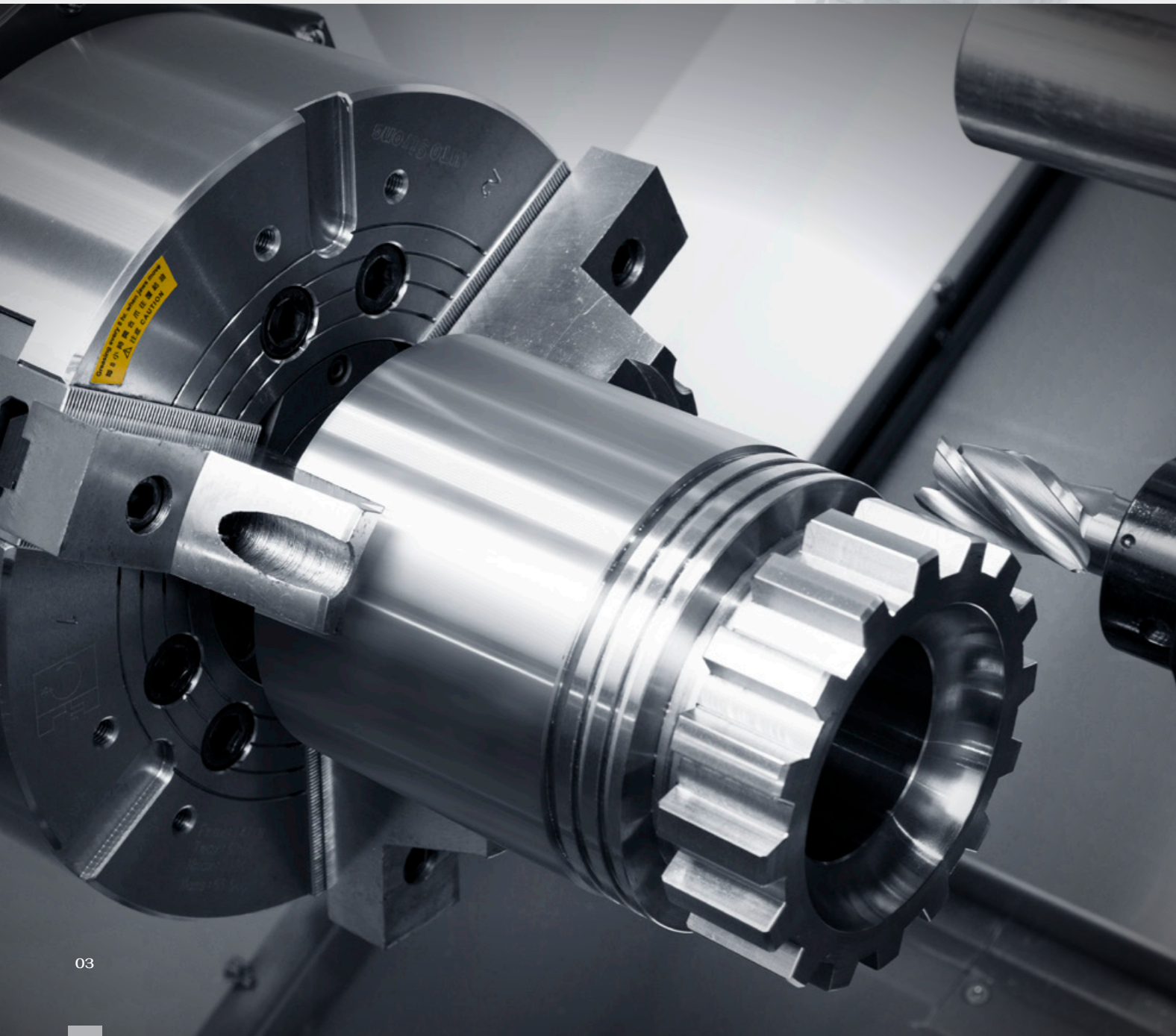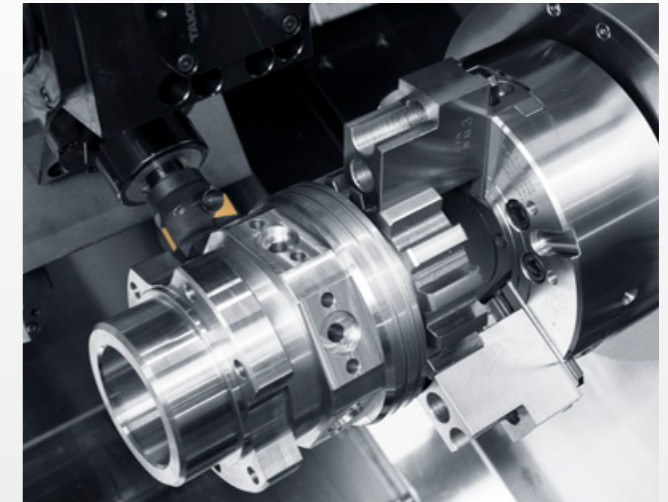|	NX-2500MT	NX-2500YT	NX-2500MS	NX-2500YS	
X-Axis Travel	270	270	270	270	mm
X-Axis Rapid Traverse	25	25	25	25	m / min
Z-Axis Travel	800	800	800	800	mm
Z-Axis Rapid Traverse	25	25	25	25	m / min
Y-Axis Travel	–	+70 ~ -50	–	+70 ~ -50	mm
Y-Axis Rapid Traverse	–	12.5	–	12.5	m / min
B-Axis Travel	810	810	810	810	mm
B-Axis Rapid Traverse	20	20	30	30	m / min

+70
Y-Axis
-50
X-Axis
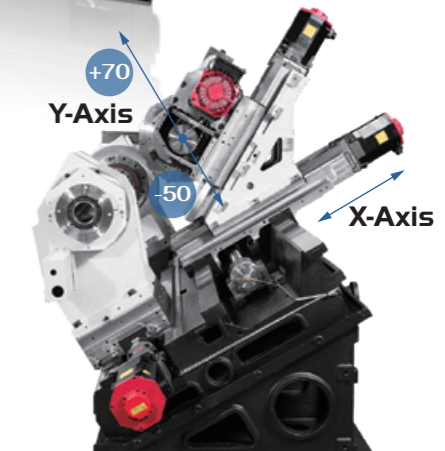
Spindle

The left and right spindles are equipped with built-in motors, provide high precision, low vibration and low noise, capable to achieve better surface roughness of the workpiece.
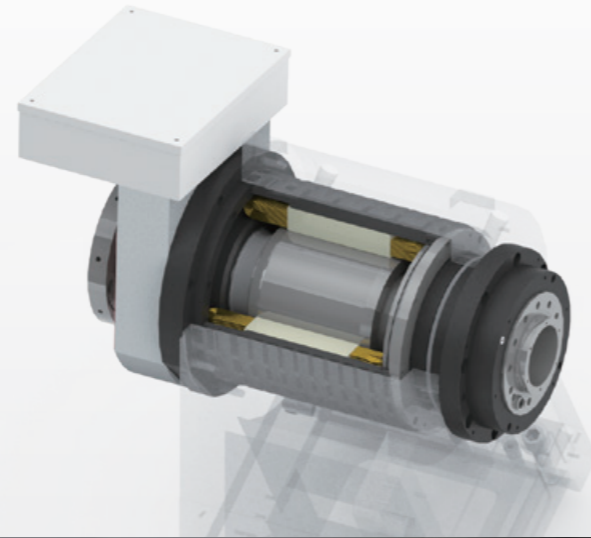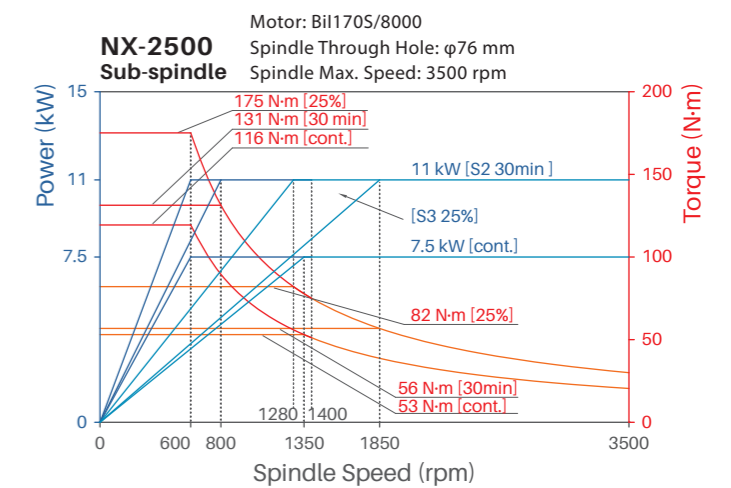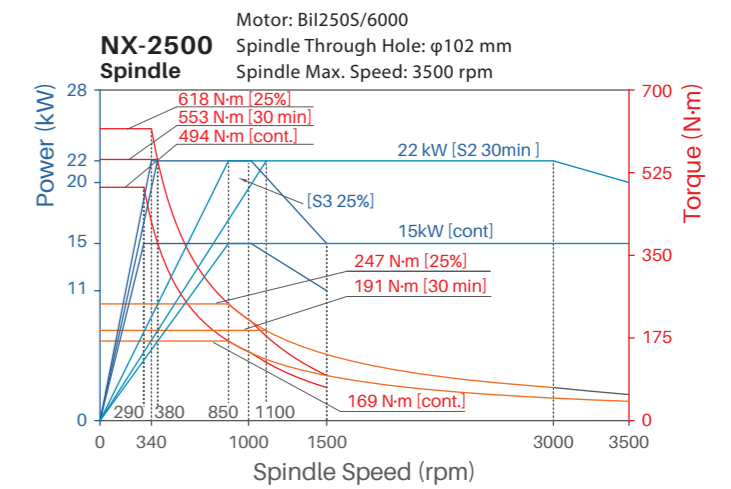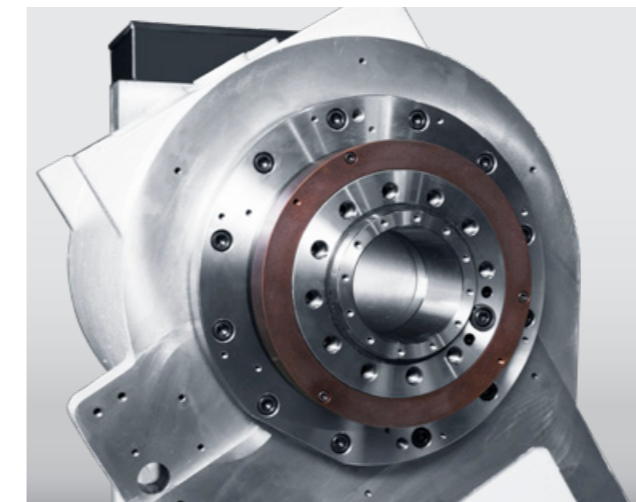
	Left Spindle	Right Spindle*	
Spindle Nose	A2-8	A2-6	
Spindle Speed	3500	3500	rpm
Through Hole Diameter	102	76	mm
Bearing Inside Diameter	140	110	mm
Motor Output	22 / 15	11 / 7.5	kW
Max. Torque	618	175	N·m
Standard Chuck Size	10	8	inch

*For NX-2500MS, NX-2500YS Only

Spindle Output Diagram

NX-2500 Spindle

Motor: Bil250S/6000
Spindle Through Hole: φ102 mm
Spindle Max. Speed: 3500 rpm

618 N·m [25%]
553 N·m [30 min]
494 N·m [cont.]
22 kW [S2 30min]
[S3 25%]
15kW [cont]
247 N·m [25%]
191 N·m [30 min]
169 N·m [cont.]

Power (kW): 28, 22, 20, 15, 11, 0
Torque (N·m): 700, 525, 350, 175, 0
Spindle Speed (rpm): 0, 290, 340, 380, 850, 1000, 1100, 1500, 3000, 3500

NX-2500 Sub-spindle

Motor: Bil170S/8000
Spindle Through Hole: φ76 mm
Spindle Max. Speed: 3500 rpm

175 N·m [25%]
131 N·m [30 min]
116 N·m [cont.]
11 kW [S2 30min]
[S3 25%]
7.5 kW [cont.]
82 N·m [25%]
56 N·m [30min]
53 N·m [cont.]

Power (kW): 15, 11, 7.5, 0
Torque (N·m): 200, 150, 100, 50, 0
Spindle Speed (rpm): 0, 600, 800, 1280, 1350, 1400, 1850, 3500
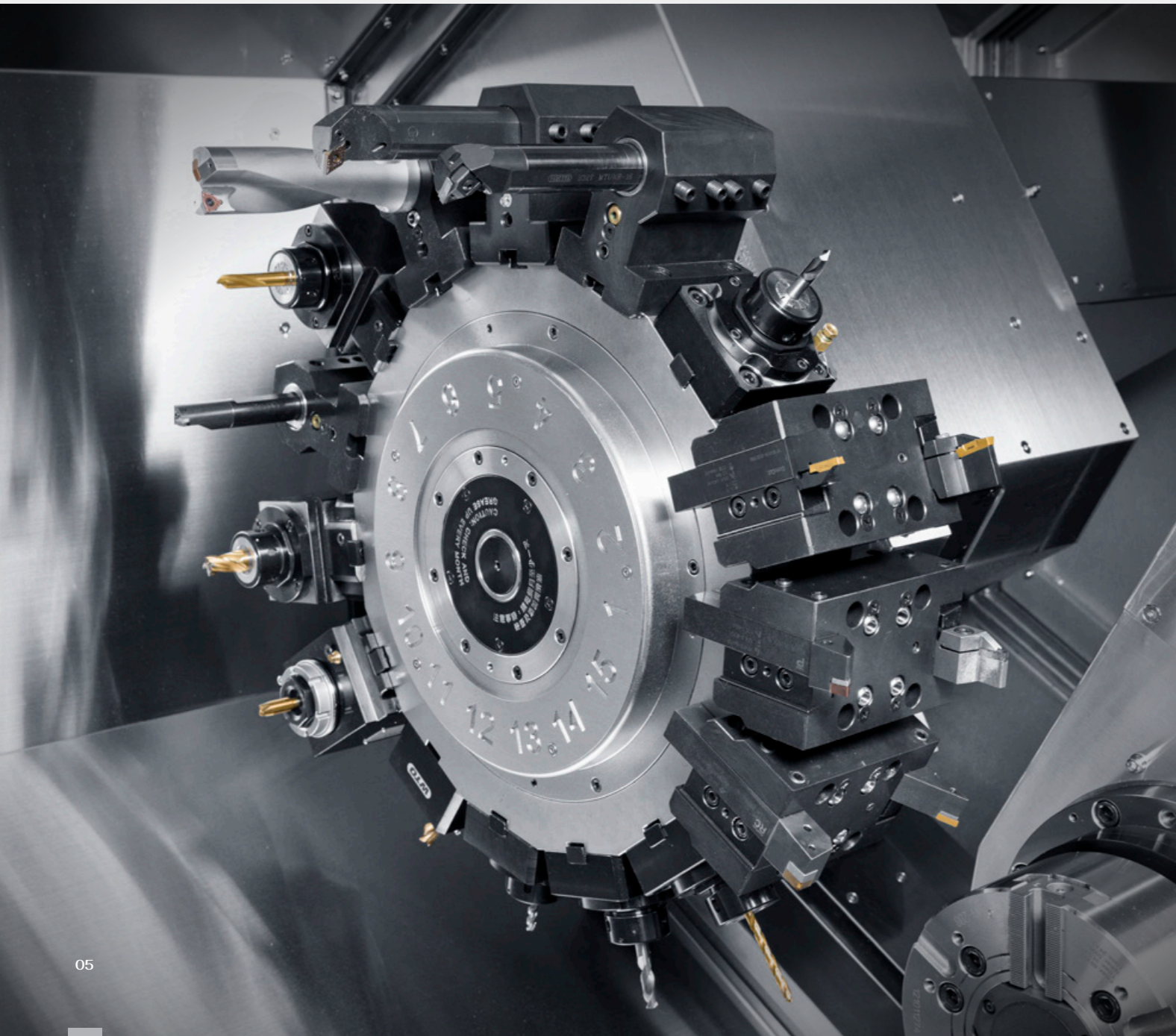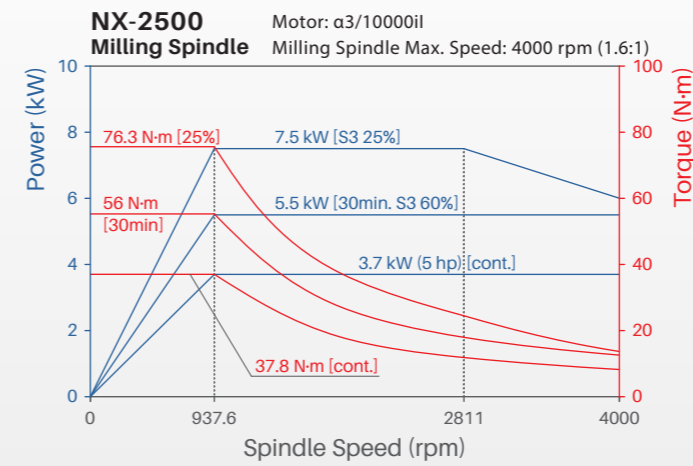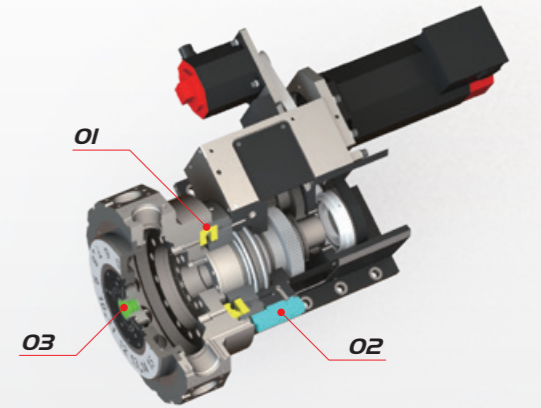
Turret

Taiwan Takisawa high-rigidity, high-precision turning-milling turrets benefit from tool change mechanism which uses a large diameter of curved tooth bevel gear.

Capable to handle combined machining such as milling, drilling and tapping rather than turning to improve the engineering concentration and processing accuracy of parts processing.

Variant tool systems with 12 and 15 tool stations, standard ER32, standard ER40 and BMT65, 4 specifications of milling turret are available.

Spindle Output Diagram

NX-2500 Milling Spindle   Motor: α3/10000iI   Milling Spindle Max. Speed: 4000 rpm (1.6:1)

- 76.3 N·m [25%]
- 7.5 kW [S3 25%]
- 56 N·m [30min]
- 5.5 kW [30min. S3 60%]
- 3.7 kW (5 hp) [cont.]
- 37.8 N·m [cont.]

Power (kW) / Torque (N·m) vs Spindle Speed (rpm)

Spindle speeds: 937.6, 2811, 4000

Turret Structure

01 Curvic Coupling O.D. 280 mm performs high rigidity and accuracy

02 Ready for 70 bar high pressure coolant

03 Easy to grease up

Tool System
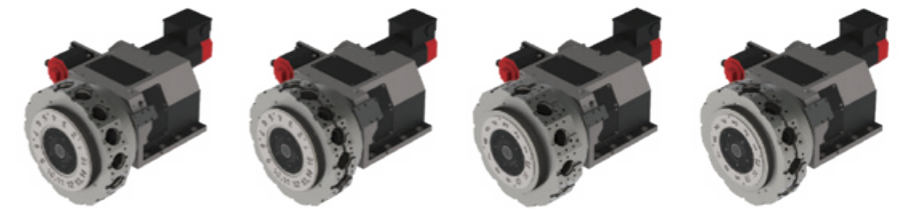
Tool System	T15 Standard	T15 BMT65	T12 Standard	T12 BMT65	
Number of Tools	15	15	12	12	
OD Tool Shank Dim.	25	25	25	25	mm
ID Tool Shank Dia.	40	40	50	40	mm
Milling Shank Dia.	20	20	26	20	mm
Milling Collet Specification	ER32	ER32	ER40	ER32	
Milling Spindle Speed	4000				rpm
Motor Output	7.5 / 5.5 / 3.7				kW
Max. Torque	76.3				N·m

Special Tool Holders

|	
01	Gear Hobbing
02	Broaching
03	Power Skiving
04	Adjustable Angle Milling

Tailstock

NX-2500MT and NX-2500YT are equipped with servo tailstock. The tailstock is driven by servo motor, with advantages of easy operation and fast movement.
In case of heavy load condition, rotary spindle of tailstock with fixed center can be selected.
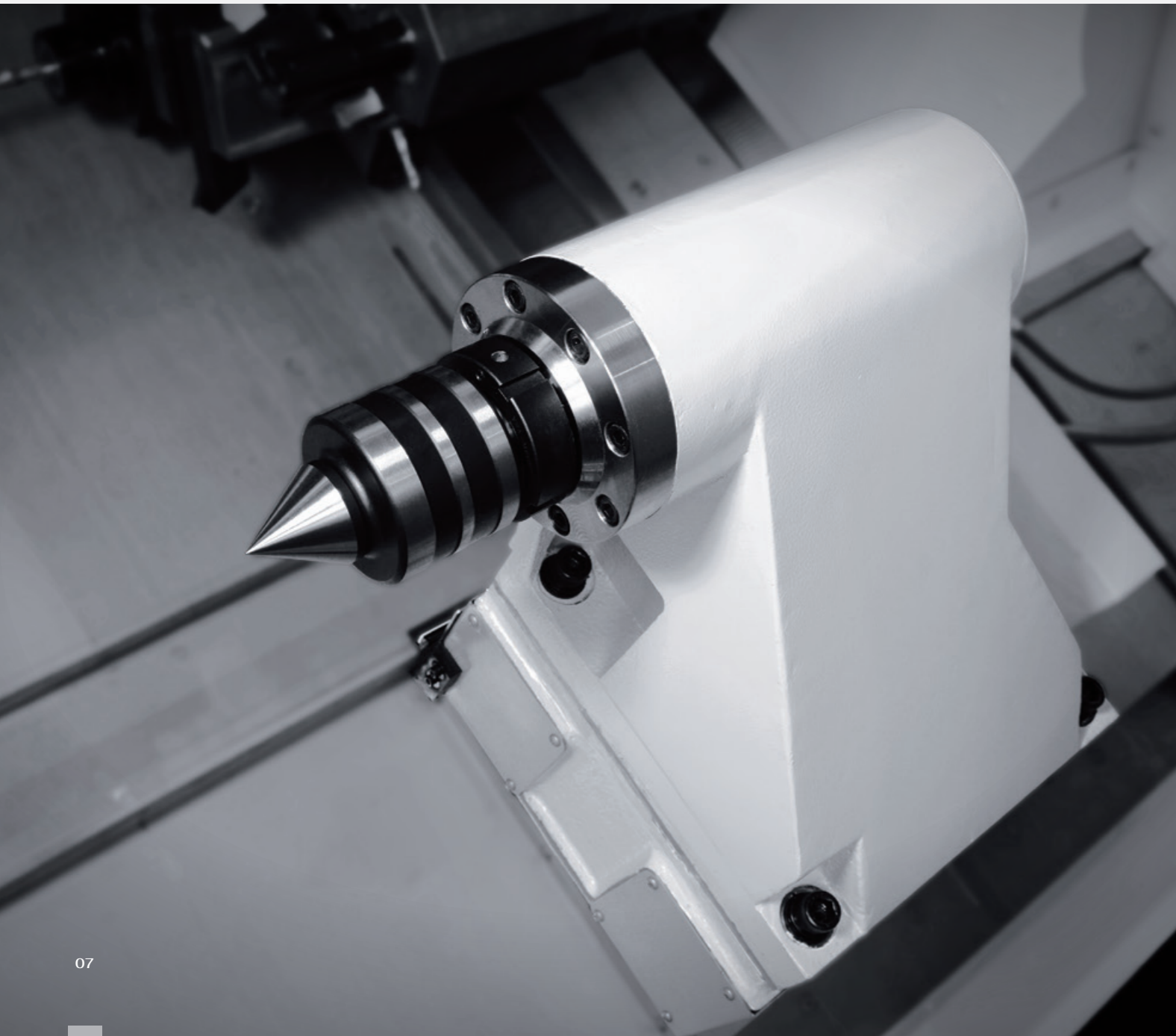
01 Servo Tailstock

Tapered Bore Type	MT.5	
Tailstock Thrust	3.3 ~ 8.5	kN
Travel	810	mm
Rapid Traverse	20	m / min
Approach	1	m / min
Retract	20	m / min

01
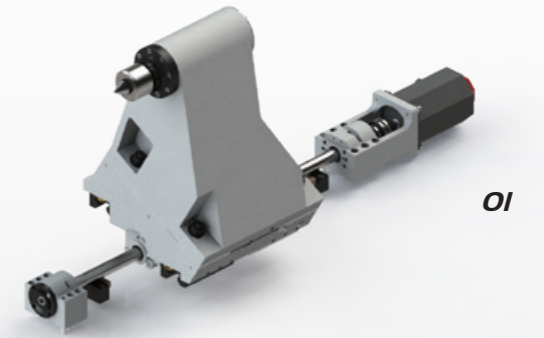
02 Servo Tailstock Function

Through the dialog UI interface, it is convenient to set the servo tailstock thrust and origin and other parameters.

02

01 Tailstock with Rotary Spindle
Recommended for heavy-duty use.

02 Chip Conveyor Type
Depending on the part material and chip size, the hinge type or scraper type can be selected.

03 Chip Conveyor Configuration
Optional right disposal type or rear disposal type.

01

Hinge Type
Chip Conveyor

Scraper Type
Chip Conveyor

02

03
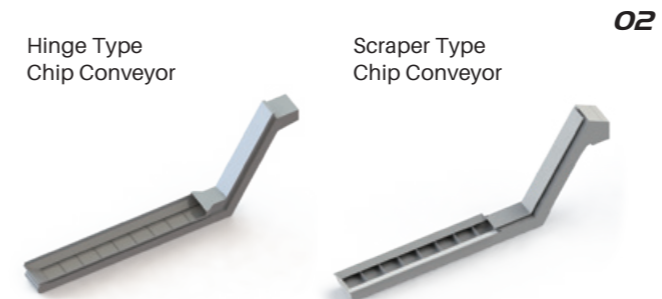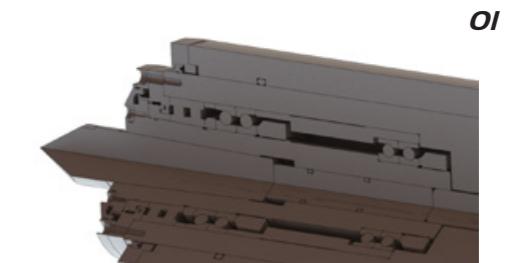
Chip Type	Curly Metallic Chip Steel / Aluminum	Power Metallic Chip Foundry / Aluminum / Brass	Non-Metallic
Hinge Type	O	×	O
Scraper Type	×	O	×
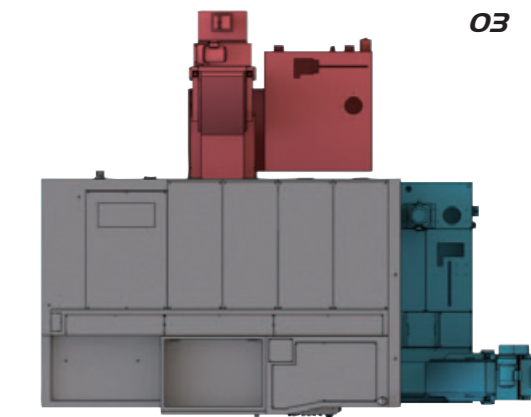
Travel Range

NX-2500MT / NX-2500YT

T15 Standard

T15 Standard

T12 Standard

T12 Standard

T15 BMT65
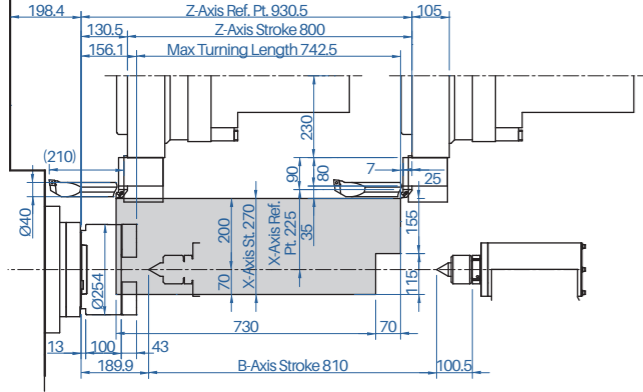
T15 BMT65
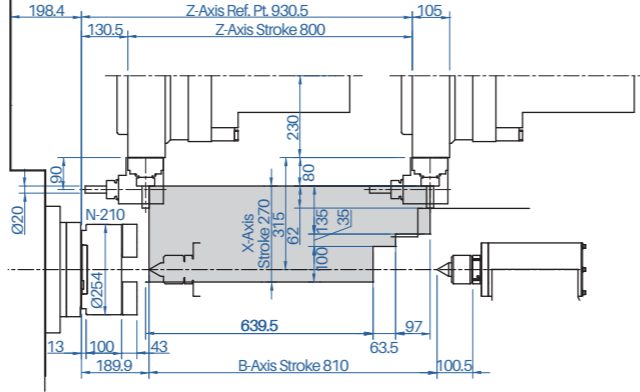
T12 BMT65

T12 BMT65

NX-2500MS / NX-2500YS

T15 Standard
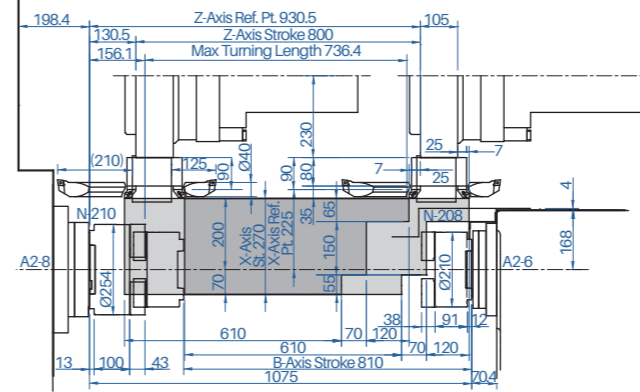
T15 Standard
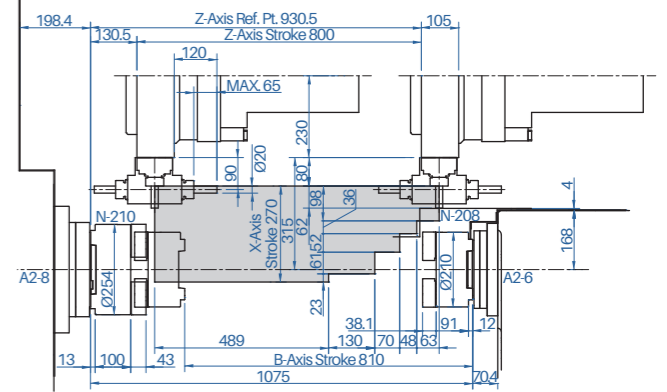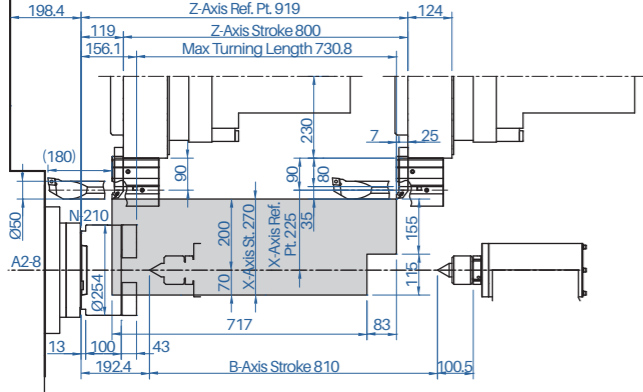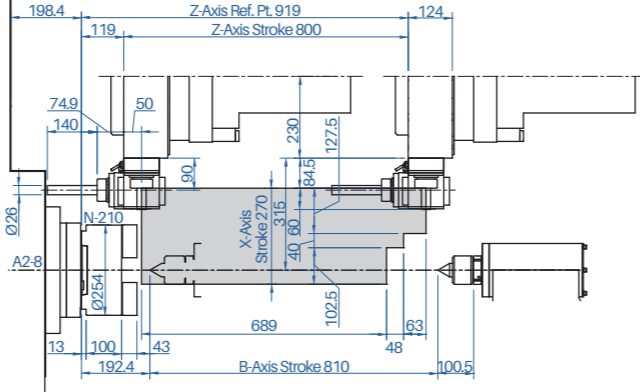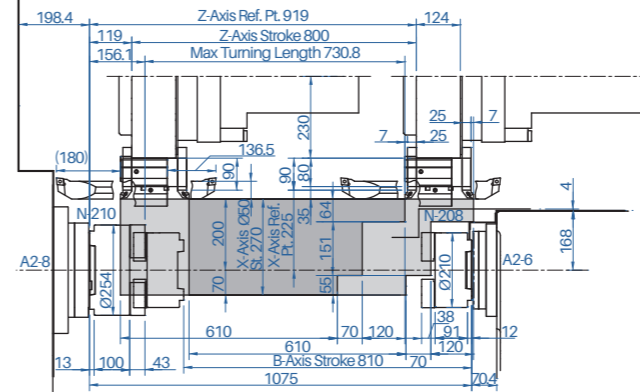
T12 Standard

T12 Standard
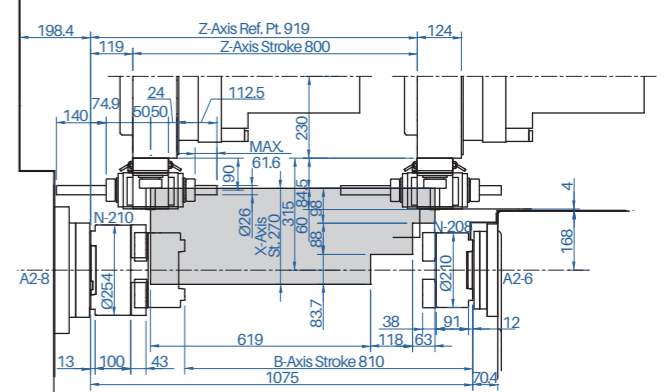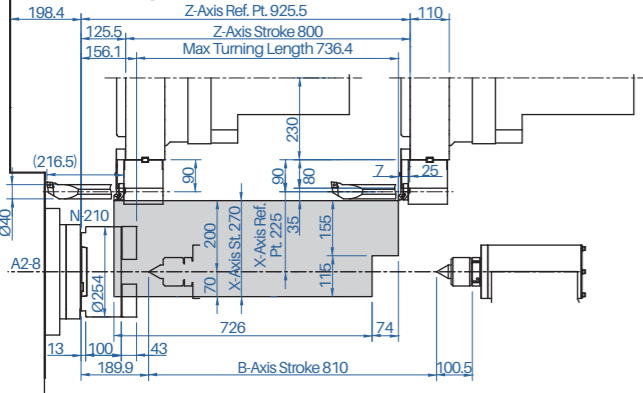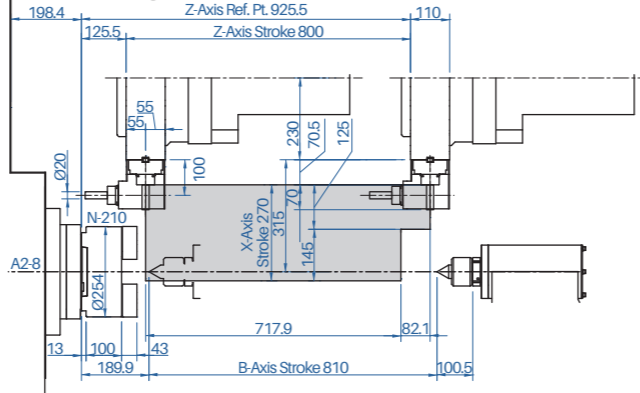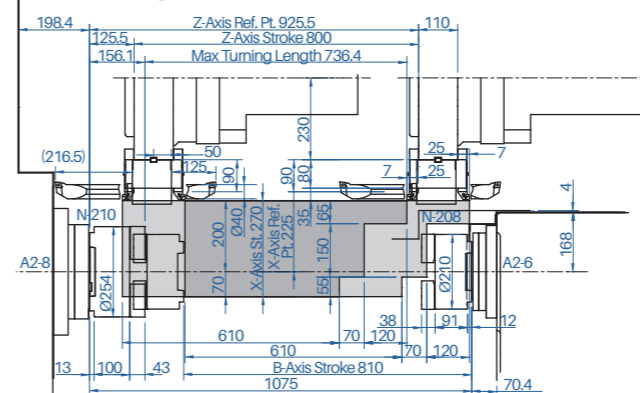
T15 BMT65

T15 BMT65
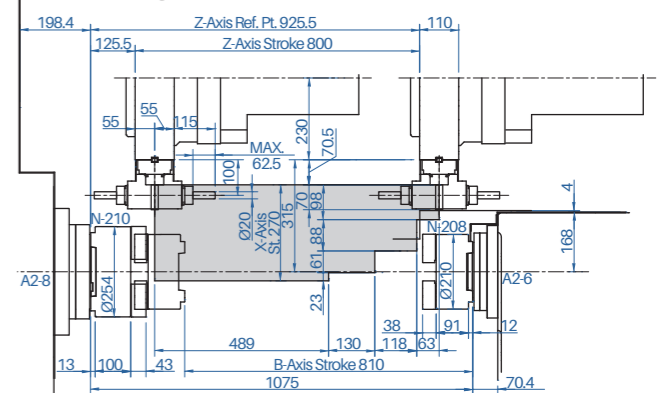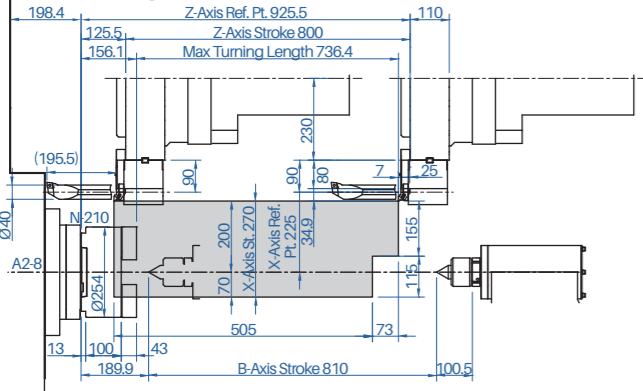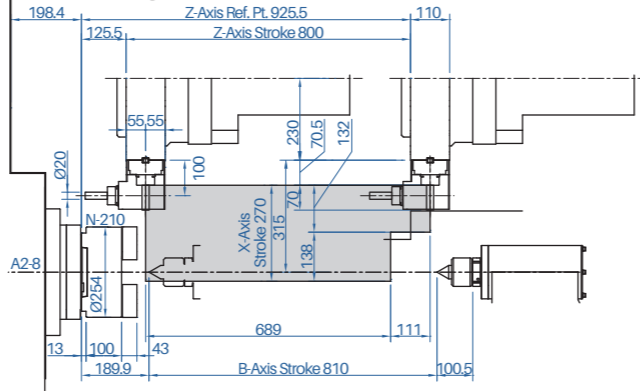
T12 BMT65

T12 BMT65

Interference

T15 Standard

*When the tool exceeds the maximum swivel diameter, the sub-spindle cannot pass through the turret

T12 Standard

*When the tool exceeds the maximum swivel diameter, the sub-spindle cannot pass through the turret

T15 BMT65

*When the tool exceeds the maximum swivel diameter, the sub-spindle cannot pass through the turret

T12 BMT65
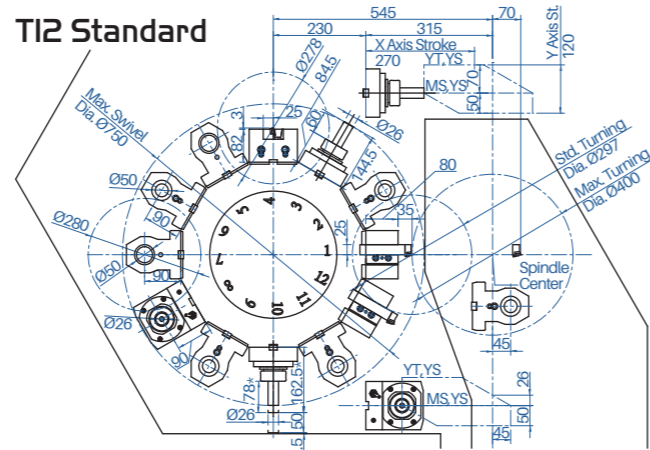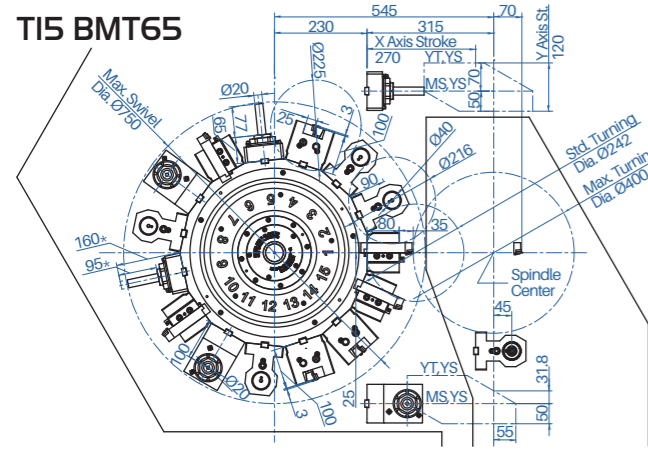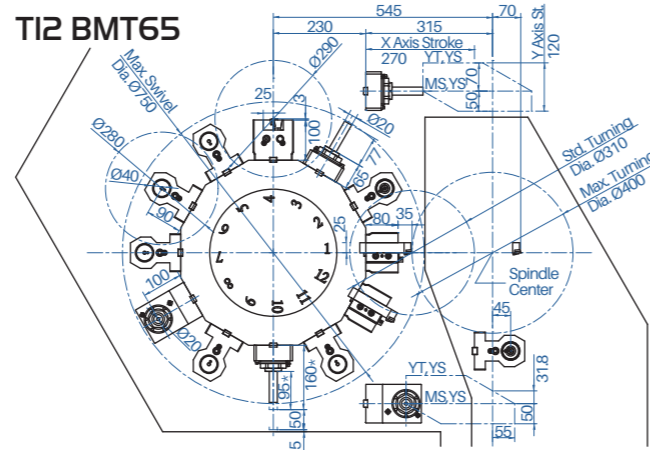
*When the tool exceeds the maximum swivel diameter, the sub-spindle cannot pass through the turret

Machine Dimensions

Dimension Type	Right Disposal		Rear Disposal	
	A	B	C	D
Standard	737	909	1255	863
CE	657	784	1255	863
Italy	962	1024	1455	1060
Switzerland	882	1174	1455	1210
U.S.A.	909	1217	1455	1210
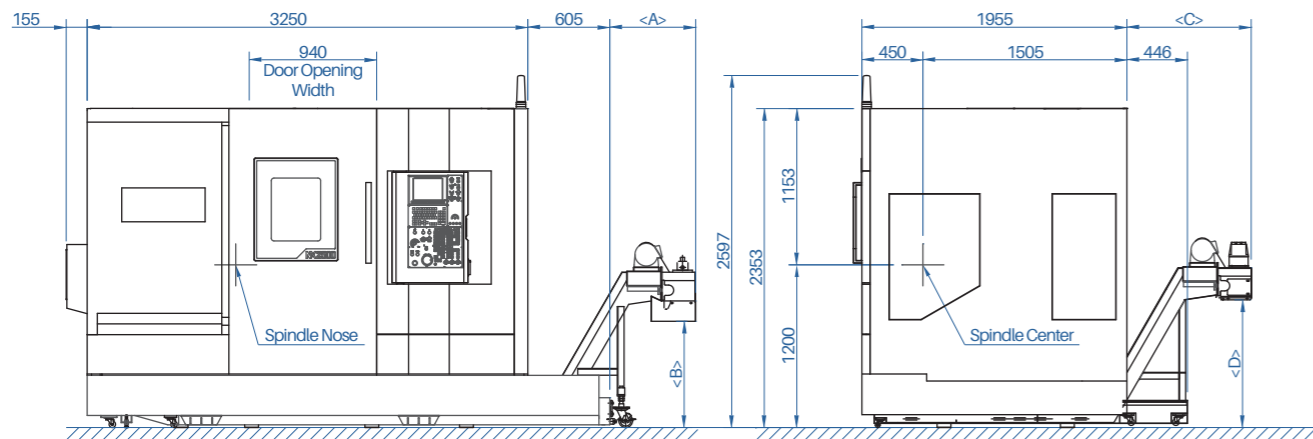
Tooling System

NX-2500MT / NX-2500YT / NX-2500MS / NX-2500YS

Turning Tool — □25 — O.D. Tool Holder / Facing Holder / Double O.D. Tool Holder

Boring Bar — Ø40 — Boring Bar Bush Ø32/25/20/16/12/10/8/6 / Short Boring Bar Bush Ø32/25/20/16/12/10/8/6 — Boring Bar / Drill Holder

Drill — Drill Socket MT.4/3/2/1 / Short Drill Socket MT.1

U-Drill — U-Drill Socket Ø32/25/20/16 — U-Drill Holder

Drill — ER32 Drill Collet Ø20/19/18/17/16/15/14/13/12/11/10/9/8/7/6/5/4/3/2 — X-Axis Rotary Tool Holder / Z-Axis Rotary Tool Holder

Tap — ER32 Tapping Collet M20/18/16/14/12/10/8/6/5/4

15 Station Standard Turret

Turning Tool — □25 — O.D. Tool Holder / Facing Holder / Double O.D. Tool Holder

Boring Bar — Ø50 — Boring Bar Bush Ø40/32/25/20/16/12/10/8/6 / Short Boring Bar Bush Ø40/32/25/20/16/12/10/8/6 — Boring Bar / Drill Holder

Drill — Drill Socket MT.4/3/2/1 / Short Drill Socket MT.2/1

U-Drill — U-Drill Socket Ø40/32/25/20/16 — U-Drill Holder

Drill — ER40 Drill Collet Ø26/25/24/23/22/21/20/19/18/17/16/15/14/13/12/11/10/9/8/7/6/5/4/3 — X-Axis Rotary Tool Holder / Z-Axis Rotary Tool Holder

Tap — ER40 Tapping Collet M24/20/16/12/10/8/6/5/4

12 Station Standard Turret

Turning Tool — □25 — O.D. Tool Holder / Facing Holder / Double O.D. Tool Holder

Boring Bar — Ø40 — Boring Bar Bush Ø32/25/20/16/12/10/8/6 / Short Boring Bar Bush Ø32/25/20/16/12/10/8/6 — I.D. Tool Holder

Drill — Drill Socket MT.4/3/2/1 / Short Drill Socket MT.1

U-Drill — U-Drill Socket Ø32/25/20/16

Drill — ER32 Drill Collet Ø20/19/18/17/16/15/14/13/12/11/10/9/8/7/6/5/4/3/2 — X-Axis Rotary Tool Holder / Z-Axis Rotary Tool Holder

Tap — ER32 Tapping Collet M20/16/12/10/8/6/5/4

15 Station BMT65 Turret

12 Station BMT65 Turret

Machine Specifications

Item			NX-2500			
			MT	YT	MS	YS
Capacity	Max. Swing	mm	820			
	Standard Turning Diameter	mm	T15 STD.: 240 (T12 STD.: 297 / T15 BMT65: 242 / T12 BMT65: 310)			
	Max. Turning Diameter	mm	400			
	Max. Turning Length	mm	T15 STD.: 742 (T12 STD.: 731 / T15 BMT65: 736 / T12 BMT65: 736)			
	Dist. Between Centers	mm	—		265 ~ 1075	
Travel	X-Axis Travel	mm	270			
	Z-Axis Travel	mm	800			
	Y-Axis Travel	mm	—	+70 - 50	—	+70 - 50
	B-Axis Travel	mm	810			
Left Spindle	Spindle Speed	rpm	3500			
	Spindle Nose		A2-8			
	Through Hole Dia.	mm	102			
	Max. Bar Work Capacity	mm	75 (81 / 91)			
	Bearing Diameter	mm	140			
Right Spindle	Spindle Speed	rpm	—		3500	
	Spindle Nose		—		A2-6	
	Through Hole Dia.	mm	—		76	
	Max. Bar Work Capacity	mm	—		52 (65)	
	Bearing Diameter	mm	—		110	
Turret	Number of Tools		T15 STD. (T12 STD. / T15BMT65 / T12BMT65)			
	OD Tool Shank Dim.	mm	25 (25 / 25 / 25)			
	ID Tool Shank Dia.	mm	40 (50 / 40 / 40)			
	Milling Shank Dia.	mm	20 (26 / 20 / 20)			
	Spindle Speed		4000			
Tailstock	Tailstock Type		Live Centre (Revolving Center)		—	
	Tapered Bore Type		MT. 5		—	
Feedrate	X-Axis Rapid Traverse	m / min	25			
	Z-Axis Rapid Traverse	m / min	25			
	Y-Axis Rapid Traverse	m / min	12.5			
	B-Axis Rapid Traverse	m / min	20		30	
Motor	Left Spindle Motor	kW	22 / 15			
	Right Spindle Motor	kW	—		11 / 7.5	
	Milling Spindle Motor	kW	7.5 / 5.5 / 3.7			
	Index Motor	kW	1.2			
	X-Axis Servo Motor	kW	3			
	Z-Axis Servo Motor	kW	3			
	Y-Axis Servo Motor	kW	3			
	B-Axis Servo Motor	kW	2.5			
Machine Size	Height	mm	2353			
	Width	mm	3250			
	Depth	mm	1955			
	Weight	kg	7550	7800	7750	8000

Standard and Optional Accessories

Accessories	NX-2500			
	MT	YT	MS	YS
Built-In Motor Left Spindle	●	●	●	●
Built-In Motor Right Spindle	–	–	●	●
Servo Tailstock with Live Centre	●	●	–	–
Servo Tail stock with Revolving Center	◎	◎	–	–
O.D Tool Holder	●	●	●	●
Face Tool Holder	●	●	●	●
U-Drill Tool Holder	●	●	●	●
Boring Bar Tool Holder	●	●	●	●
Boring Bar Bush (Ø6 / Ø8 / Ø10 / Ø12)	●	●	●	●
Boring Bar Bush (Ø16 / Ø20 / Ø25 / Ø32 / Ø40*)	●	●	●	●
U-Drill Bush (Ø16 / Ø20 / Ø25 / Ø32 / Ø40*)	●	●	●	●
Short Boring Bar Bush (Ø6 / Ø8 / Ø10 / Ø12)	–	–	●	●
Short Boring Bar Bush (Ø16 / Ø20 / Ø25 / Ø32 / Ø40*)	–	–	●	●
Drill Bush (MT.1 / MT.2 / MT.3 / MT.4)	◎	◎	◎	◎
Short Drill Bush (MT.1 / MT.2*)	–	–	◎	◎
X-Axis Milling Holder	●	●	●	●
Z-Axis Milling Holder	●	●	●	●
Automatic Tool Setter (Left Spindle Only)	◎	◎	◎	◎
Manual Tool Setter	◎	◎	◎	◎
Linear Scales	◎	◎	◎	◎
Coolant Pump (450W)	●	●	●	●
Coolant Pump (715W / 750W / 900W / 1400W)	◎	◎	◎	◎
Coolant Chiller	◎	◎	◎	◎
Nut Cooling Ball Screw	◎	◎	◎	◎
Hydraulic System	●	●	●	●
Hydraulic Oil Cooling	◎	◎	◎	◎
Hydraulic Pressure Sensor	●	●	●	●
Lubrication System	●	●	●	●
Hydraulic Chuck	●	●	●	●
Collet Chuck	◎	◎	◎	◎
Foot Switch	●	●	●	●
LED Interior Light	●	●	●	●
LED TAKISAWA Light	●	●	●	●
LED Signal Tower	●	●	●	●
Chip Cart	●	●	●	●
Right Side Chip Conveyor	◎	◎	◎	◎
Rear Side Chip Conveyor	◎	◎	◎	◎
Parts Catcher	◎	◎	◎	◎
Parts Conveyor	◎	◎	◎	◎
Automatic Bar Feeder and Interface	◎	◎	◎	◎
Auto Door	◎	◎	◎	◎
Safety Door Switch	◎	◎	◎	◎
Safety Light Curtain	◎	◎	◎	◎
Air Blow	◎	◎	◎	◎
Oil Skimmer	◎	◎	◎	◎
Oil Mist Collector	◎	◎	◎	◎
Parts Counter	◎	◎	◎	◎
Automatic Power-Off	◎	◎	◎	◎

● Standard   ◎ Optional   – Nope

*Ø40 Bush can Only be Used for T12 Standard Turret

Special Specification Example

01

02
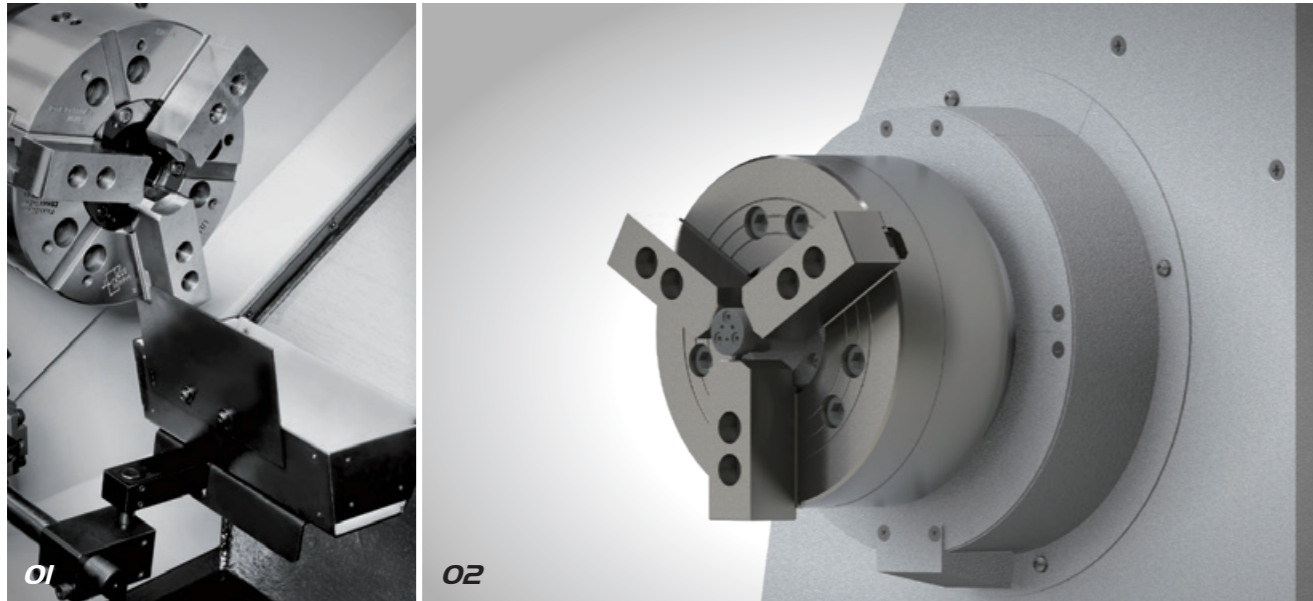
01 Left Spindle Parts Catcher

Max. Parts Dia.	90	mm
Max. Parts Length	190	mm
Max. Parts Weight	3	kg

02 Parts Pusher

Pusher Stroke	95	mm

Highly Accurate Optional Equipment

There are special requirements for precise machining accuracy and it is necessary to use approved high-precision optional equipment.

Please contact us for advice on these options.

01   02   03

04   05   06

01	Linear Scales
02	Automatic I Manual Tool Setter
03	Nut Cooling Ball Screw
04	Cutting Fluid Cooling
05	High Pressure Coolant
06	Hydraulic Oil Cooling

High Speed Gantry Loader System

- ■ Lathe
- ▩ Gantry Loader
- ■ Workpiece Feeder

Layout Variations

A   B   C

Peripheral Equipment

Measuring Unit   Washing Unit

Camera Positioning Unit   Quality Chute
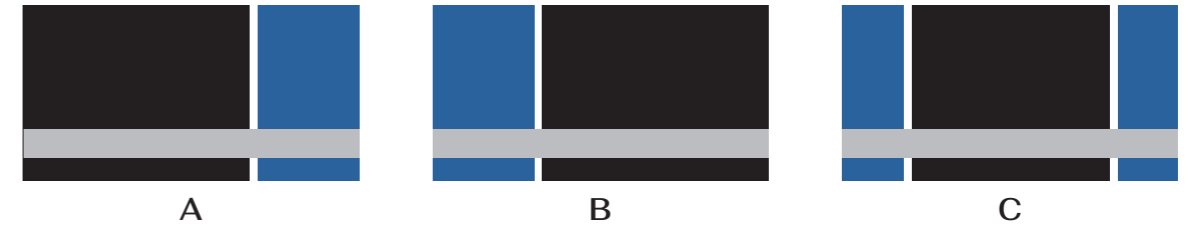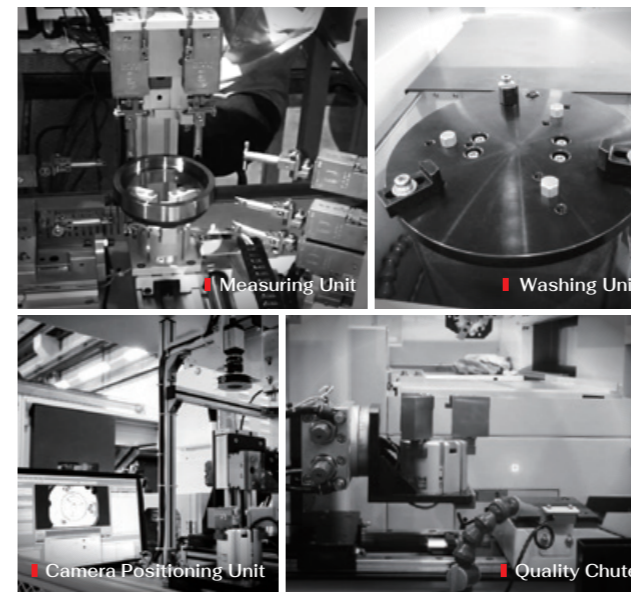
Gantry Loader Specifications

Feedrate

X–Axis Rapid Traverse	180	m / min
Z–Axis Rapid Traverse	150	m / min

Working Size

O.D	160	mm
Length	100	mm
Weight	3 (x2)	kg

Work Feeder Specifications

Pallet	16	pcs
Loading Weight	40	kg
Max. Height	450	mm
Worker Feeder Width	610	mm

Turn-Key Solution
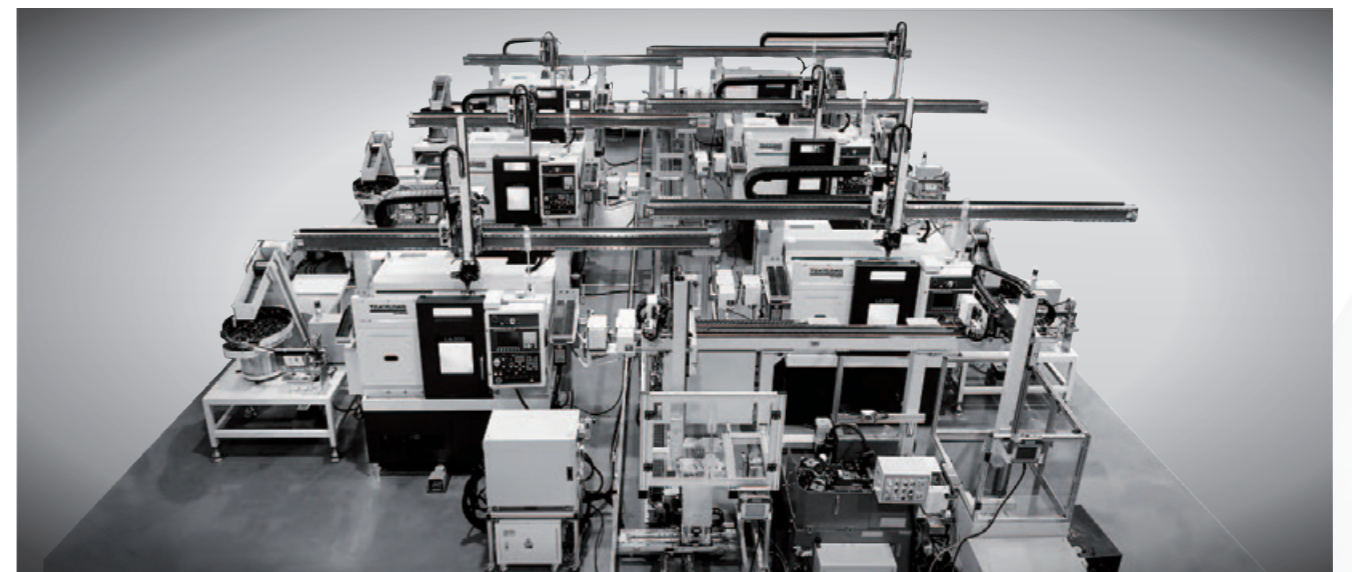
NC Unit Specifications

Specifications · Contents NX-2500	MT	YT	MS	YS
Controller				
0i-TF Plus	●	●	●	●
NC Unit				
10.4" Color LCD	●	●	●	●
15" Color LCD	◎	◎	◎	◎
Safety Device				
Front Door Interlock	◎	◎	◎	◎
Front Door Locking Mechanism	◎	◎	◎	◎
Safety Relay	◎	◎	◎	◎
Control Panel Breaker with Tripper	◎	◎	◎	◎
Controlled Axes				
Least Input Increment (Linear Axis: 0.001mm, Rotary Axis: 0.001°)	●	●	●	●
Maximum Programmable Dimension (± 999999.999)	●	●	●	●
Arbitrary Angular Axis Control	–	●	–	●
Least Input Increment C	▲	▲	▲	▲
Inch / Metric Selection	●	●	●	●
Interlock	●	●	●	●
Machine Lock	◎	◎	◎	◎
Emergency Stop	●	●	●	●
Stored Stroke Check 1	●	●	●	●
Stored Stroke Check 2, 3	●	●	●	●
Stroke Limit Check Before Movement	●	●	●	●
Chuck Tailstock Barrie	▲	▲	▲	▲
Mirror Image (Each Axis)	▲	▲	▲	▲
Chamfering ON / OFF	●	●	●	●
Overload Detection	●	●	●	●
Position Switch	●	●	●	●
Operation				
Auto Run (Memory)	●	●	●	●
MDI Run	●	●	●	●
DNC Run	●	●	●	●
DNC Run with Memory Card	●	●	●	●
Program Number Search	●	●	●	●
Sequence Number Search	●	●	●	●
Sequence Number Collation and Stop	●	●	●	●
Wrong Operation Preventive	▲	▲	▲	▲
Buffer Register	●	●	●	●
Dry Run	●	●	●	●
Single Block	●	●	●	●
Jog Feed	●	●	●	●
Manual Reference Point Return	●	●	●	●
Dogless Reference Point Setting	●	●	●	●
Manual Handle Feed 2/3 -Unit	●	●	●	●
Interpolating Functions				
Poitioning (G00)	●	●	●	●
Exact Stop Mode (G61)	●	●	●	●
Tapping Mode (G63)	●	●	●	●
Cutting Mode (G64)	●	●	●	●
Exact Stop (G09)	●	●	●	●
Linear Interpolation (G01)	●	●	●	●
Circular Interpolation (G02 / 03)	●	●	●	●
Dwell (G04)	●	●	●	●
Polar Coordinate Interpolation	●	●	●	●
Cylindrical Interpolation	●	●	●	●
Helical Interpolation	◎	●	◎	●
Thread Cutting	●	●	●	●
Multiple Thread Cutting	●	●	●	●
Thread Cutting Cycle and Retraction	●	●	●	●
Continuous Thread Cutting	●	●	●	●
Variable Lead Thread Cutting	●	●	●	●
Reference Point Return (G28)	●	●	●	●
Reference Point Return Check (G27)	●	●	●	●

Specifications · Contents NX-2500	MT	YT	MS	YS
2nd Reference Point Return (G30)	●	●	●	●
3rd, 4th Reference Point Return	●	●	●	●
Feed Function				
Rapid Traverse Override (F0, 25%, 50%, 100%)	●	●	●	●
Feed Per Minute	●	●	●	●
Feed Per Revolution	●	●	●	●
Constant Tangential Speed Control	●	●	●	●
Cutting Feedrate Clamp	●	●	●	●
Automatic Acceleration / Deceleration	●	●	●	●
Rapid Traverse Bell-Shaped Accel / Decel	●	●	●	●
Linear Accel / Decel After Feedrate Interpolation	●	●	●	●
Feedrate Override (15 Steps)	●	●	●	●
Jog Override (15 Steps)	●	●	●	●
Override Cancel	●	●	●	●
Manual Feed Per Revolution	▲	▲	▲	▲
Program Input				
Tape Code (EIA / ISO Auto Recognition)	●	●	●	●
Label Skip	●	●	●	●
Parity Check	●	●	●	●
Control In / Out	●	●	●	●
Optional Block Skip, 1 Piece	●	●	●	●
Optional Block Skip (2 to 9 Pieces)	⊕	⊕	⊕	⊕
Program Number O4 Digits	●	●	●	●
Program File Name 32 Characters	●	●	●	●
Sequence Number N5 Digits	–	–	–	–
Sequence Number N8 Digits	●	●	●	●
Absolute / Incremental Command	●	●	●	●
Decimal Point Input / Pocket Calculator Type Decimal Point Input	●	●	●	●
Diameter / Radius Programming (X-Axis)	●	●	●	●
Coordinate System Setting (G50)	●	●	●	●
Auto coordinate System Setting	●	●	●	●
Drawing Dimension Direct Input	●	●	●	●
G-Code System A	●	●	●	●
G-Code System B / C	▲	▲	▲	▲
Chamfering / Corner R Programming	●	●	●	●
Programmable Data Input	●	●	●	●
Sub Program Call (10 Levels)	●	●	●	●
Custom Macro	●	●	●	●
Additional Custom Macro Common Variables	●	●	●	●
Single Canned Cycle	●	●	●	●
Combined Canned Cycle	●	●	●	●
Combined Canned Cycle II	●	●	●	●
Drilling Canned Cycle	●	●	●	●
Circular Interpolation by R Programming	●	●	●	●
Macro Executor	●	●	●	●
Coordinate System Shift	●	●	●	●
Coordinate System Shift Direct Input	●	●	●	●
Miscellaneous Function / Spindle Functions				
M Function (M3 Digits)	●	●	●	●
Second Miscellaneous Function (B Function)	◎	◎	–	–
Spindle Functions (S4 Digits)	●	●	●	●
Constant Surface Speed Control	●	●	●	●
Spindle Orientation	●	●	●	●
Rigid Tap (Spindle Center)	●	●	●	●
Rigid Tap (Rotary Tool)	●	●	●	●
Data I/O				
RS-232C Interface for 1 ch	●	●	●	●
Fast Data Server	⊕	⊕	⊕	⊕
External Message	●	●	●	●
External Workpiece Number Search	◎	◎	◎	◎
Memory Card I/O	●	●	●	●

Specifications · Contents NX-2500	MT	YT	MS	YS
Tool Functions / Tool Offset Functions				
T Function (T2 + 2 Digits)	●	●	●	●
Tool Offsets, 32 Pieces	–	–	–	–
Tool Offsets, 64 Pieces	–	–	–	–
Tool Offsets, 128 Pieces	●	●	●	●
Tool Offsets, 200 Pieces	◎	◎	◎	◎
Tool Offsets, 400 Pieces	–	–	–	–
Tool Geometry Size Data, 128 Pieces	●	●	●	●
Tool Position Offset	●	●	●	●
Tool Diameter / Nose R Compensation	●	●	●	●
Tool Geometry / Wear Compensation	●	●	●	●
Tool Offset Counter Input	●	●	●	●
Tool Offset Measured Value Direct Input	●	●	●	●
Tool Offset Measured Value Direct Input B	◎	◎	◎	◎
Tool Life Management	●	●	●	●
Accuracy Offset Functions				
Backlash Compensation	●	●	●	●
Backlash Compensation by Rapid Traverse / Feedrate	●	●	●	●
Editing				
Part Program Memory Capacity 128K byte (320m)	–	–	–	–
Part Program Memory Capacity 320K byte (800 m)	–	–	–	–
Part Program Memory Capacity 512K byte (1280 m)	–	–	–	–
Part Program Memory Capacity 1M byte	–	–	–	–
Part Program Memory Capacity 2M byte	●	●	●	●
Registrable Programs, 63 Programs	–	–	–	–
Registrable Programs, 400 Programs	–	–	–	–
Registrable Programs, 1000 Programs	●	●	●	●
Program Editing	●	●	●	●
Program Protection	●	●	●	●
Extended Program Editing	●	●	●	●
Background Editing	●	●	●	●

Specifications · Contents NX-2500	MT	YT	MS	YS
Setting / Display				
Status Display	●	●	●	●
Clock Function	●	●	●	●
Current Position Display	●	●	●	●
Program Comment Display (31 Characters)	●	●	●	●
Parameter Setting and Display	●	●	●	●
Alarm Display	●	●	●	●
Alarm Log Display	●	●	●	●
Operator Message Log Display	●	●	●	●
Operation Message Log Display	●	●	●	●
Run Hours and Parts Count Display	●	●	●	●
Actual Speed Display	●	●	●	●
Actual Spindle Speed and T Code Display	●	●	●	●
Floppy Cassette Directory Display	●	●	●	●
Optional Path Name Display	●	●	●	●
Servo Adjustment Screen	●	●	●	●
Maintenance Information Screen	●	●	●	●
Data Protection Key, 1 Kind	●	●	●	●
Help Function	●	●	●	●
Self Diagnostic Function	●	●	●	●
Scheduled Maintenance Screen	●	●	●	●
Hardware & Software System Configuration Display	●	●	●	●
Graphic Display	●	●	●	●
Dynamic Graphic Display	◎	◎	◎	◎
Display Languages				
English	●	●	●	●
Japanese (Kanji)	▲	▲	▲	▲
Other Language	▲	▲	▲	▲
Display Language Dynamic Switching	●	●	●	●

● Standard   ◎ Optional   ⊕ Special
▲ Parameter setting is required   – Nope

Smart Work Manager (Option)

01
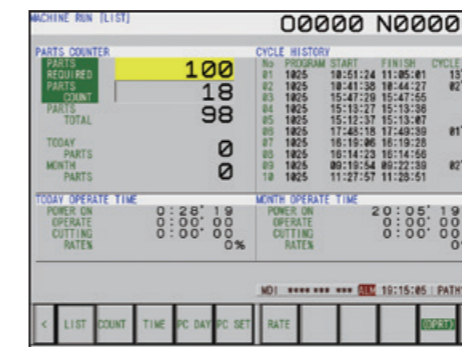
It provides simple operation and convenient function.

01 Tool Life Manager
This function can set tool life and wear limit to manage all tools.

02 Load Monitor
Detecting max load to check tool status.

03 Parts and Machine Manager
It offers parts counter, program history, operate time for today or this month.

02

03