

QUASER

we cut faster

UX SERIES

UX series

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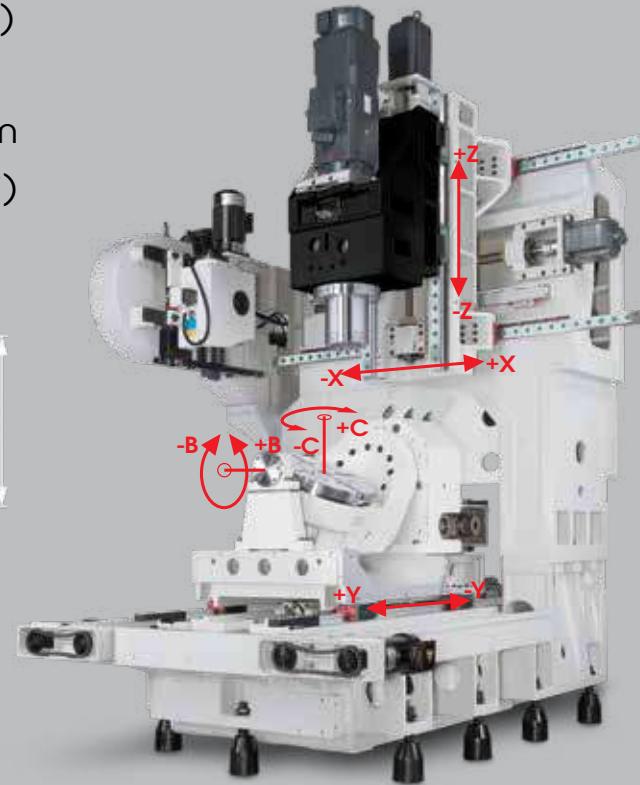
UX500

Travel

X : 712 (-400 ~ +312)
Y : 508 (-254 ~ +254)
Z : 515 mm
Table size: Ø410 mm
(UX500C - DETRON*)
(UX500P - HIWIN*)



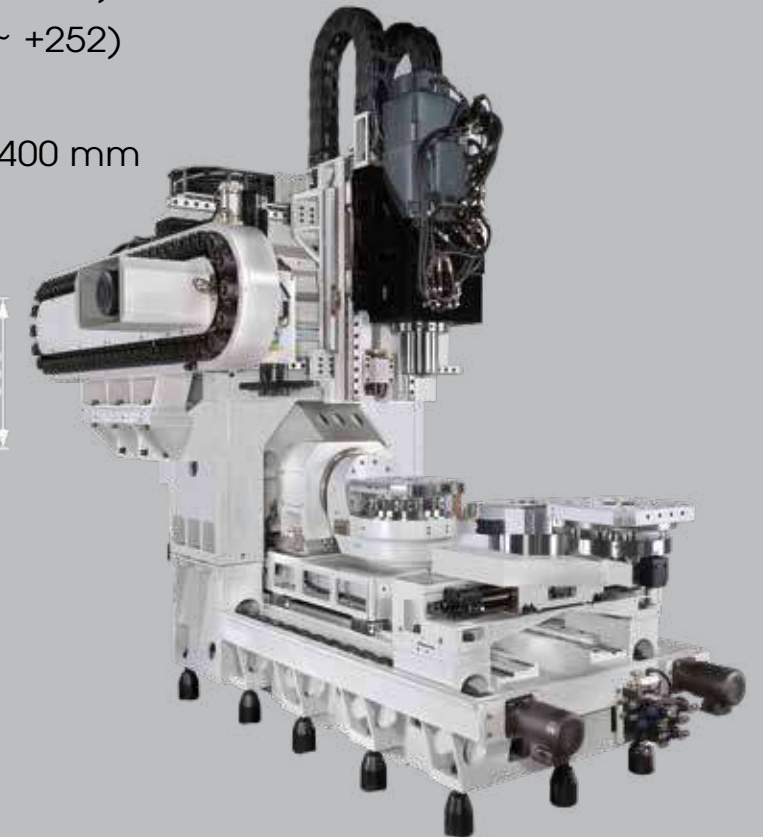
Note: *rotary table brand
**UX500C=200kg
UX500P=250kg



UX500APC

Travel

X : 712 (-400 ~ +312)
Y : 508 (-256 ~ +252)
Z : 515 mm
Table size: □400 mm



UX series

UX630P

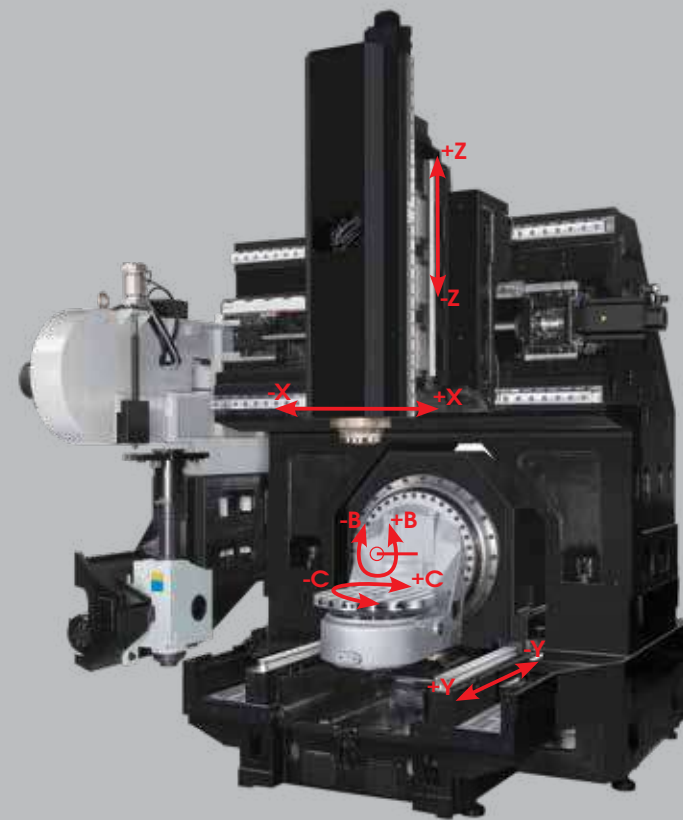
Travel

X : 900 (-450 ~ +450)

Y : 740 (-330 ~ +410)

Z : 610 mm

Table size: Ø480 mm



UX630APC

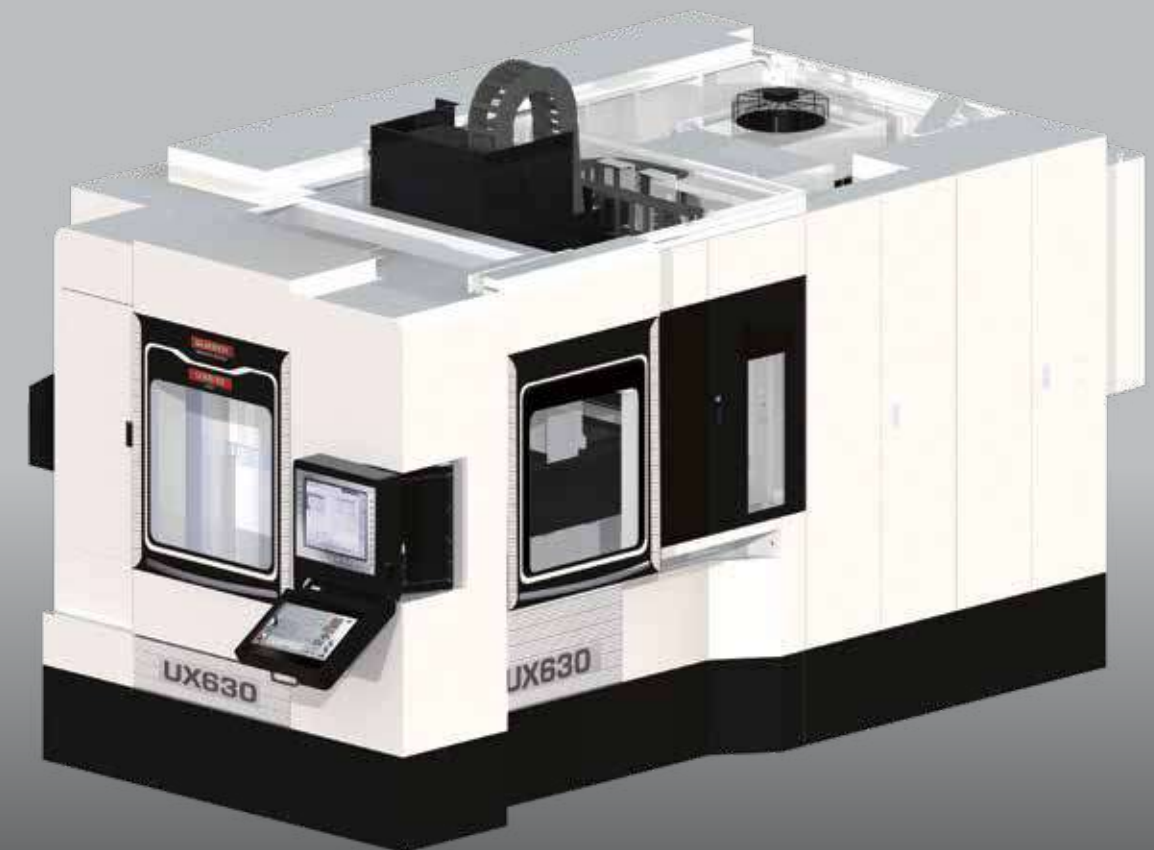
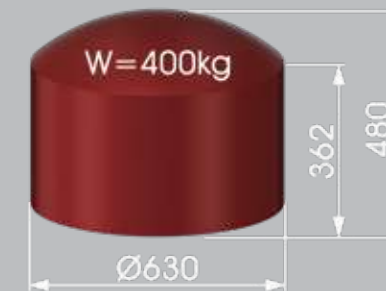
Travel

X : 900 (-450 ~ +450)

Y : 660 (-330 ~ +330)

Z : 610 mm

Table size: □500 mm



UX series

UX600

Travel

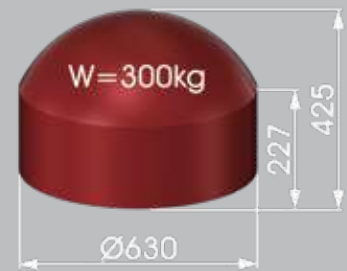
X : 885 (-580 ~ +305)

Y : 800 (+375 ~ -425)

Z : 500 mm

Table size: Ø500 mm (UX600C)

Ø280 / Ø600 x W500 (UX600P)

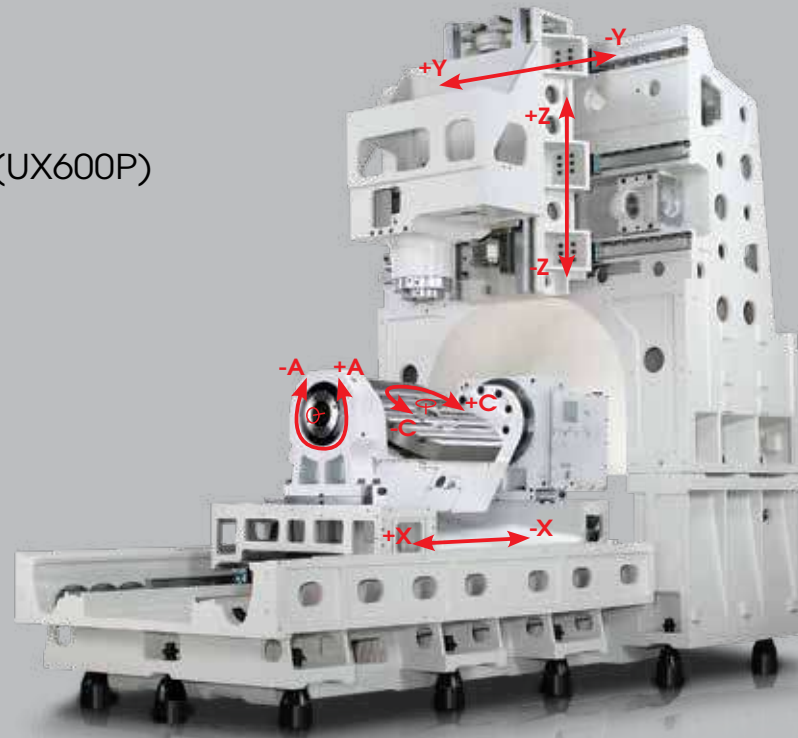


(UX600C - DETRON*)



(UX600P - MMK MATSUMOTO*)

Note: *rotary table brand



UX800P

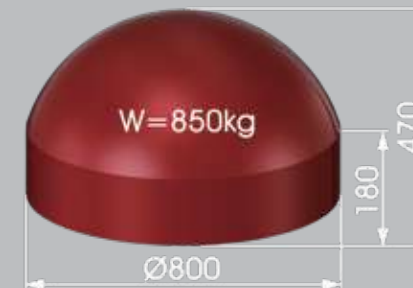
Travel

X : 995 (-625 ~ +370)

Y : 800 (+375 ~ -425)

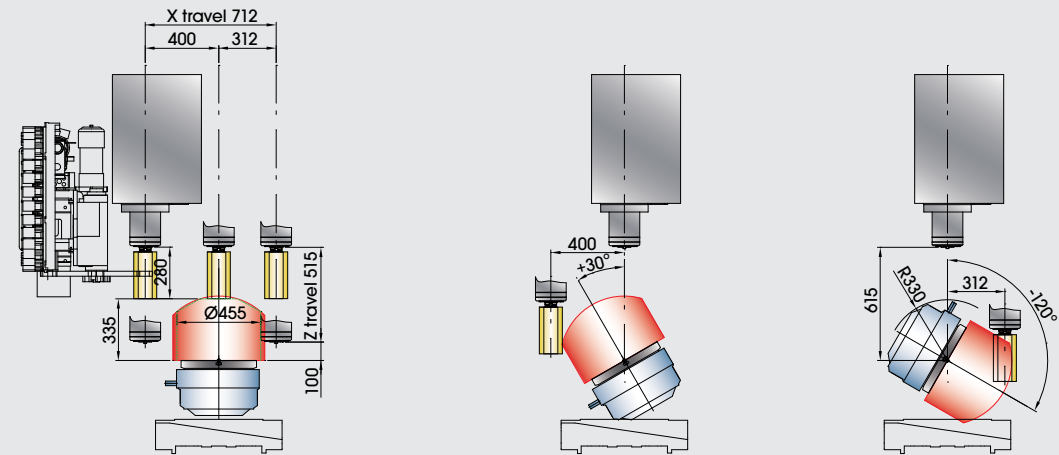
Z : 500 mm

Table size: Ø630 mm

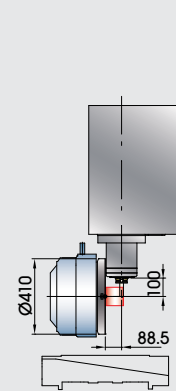


Cutting area and interference

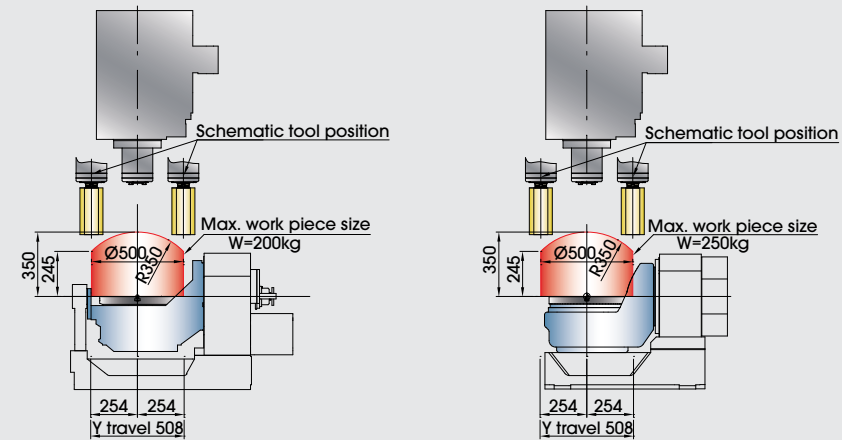
UX500



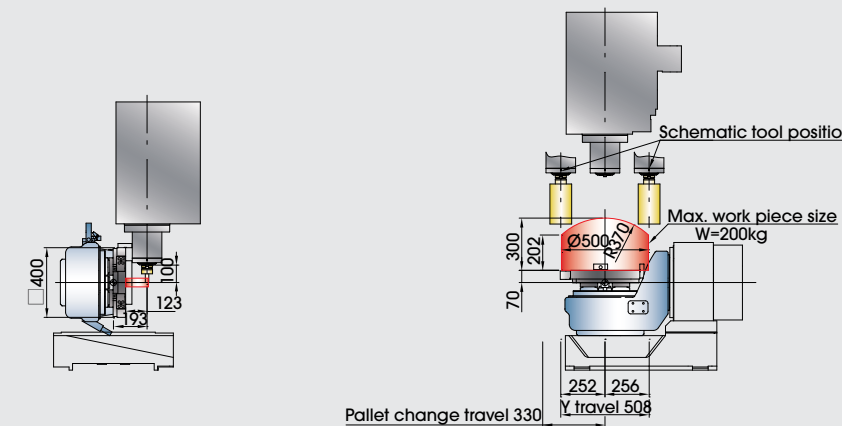
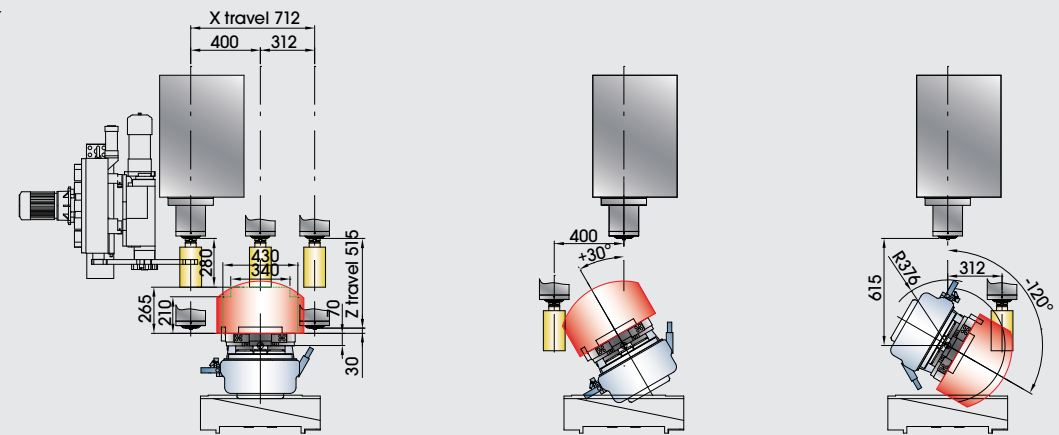
UX500C



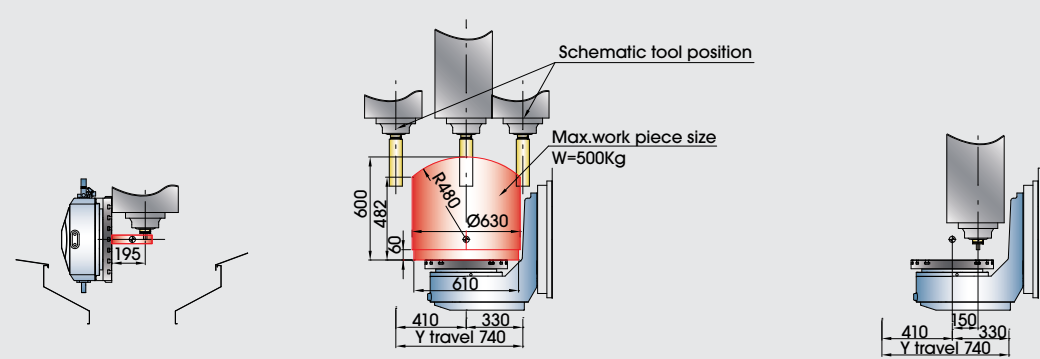
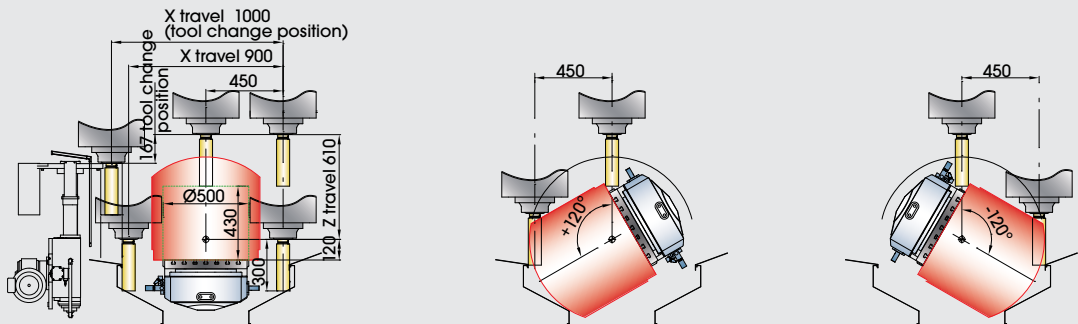
UX500P



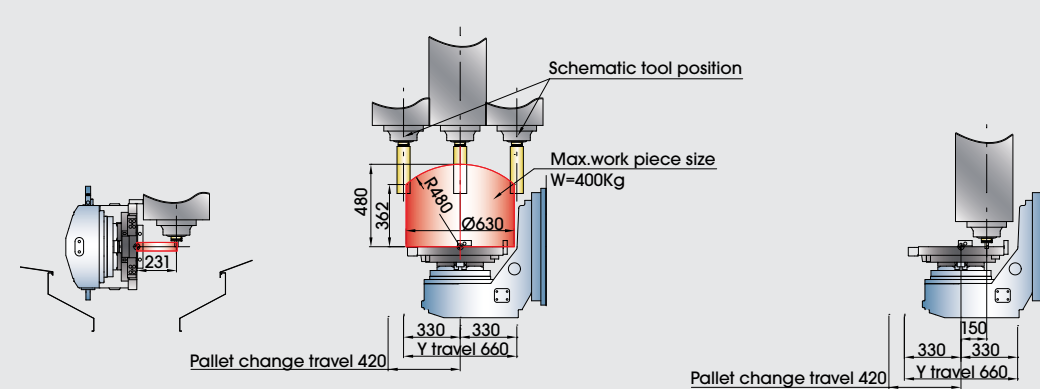
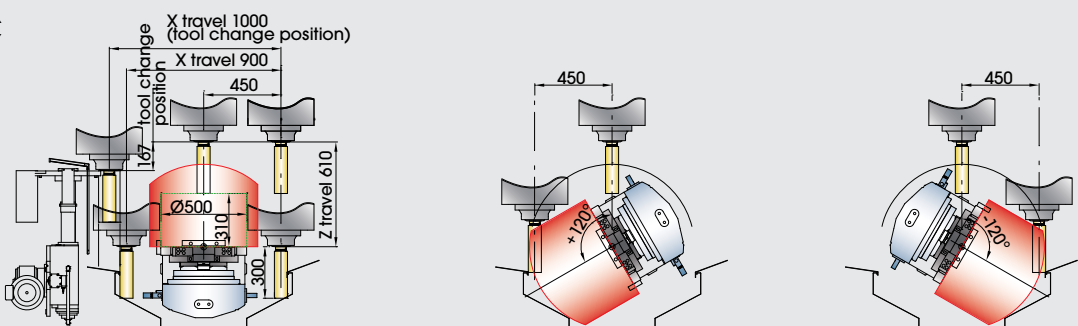
UX500APC



UX630P

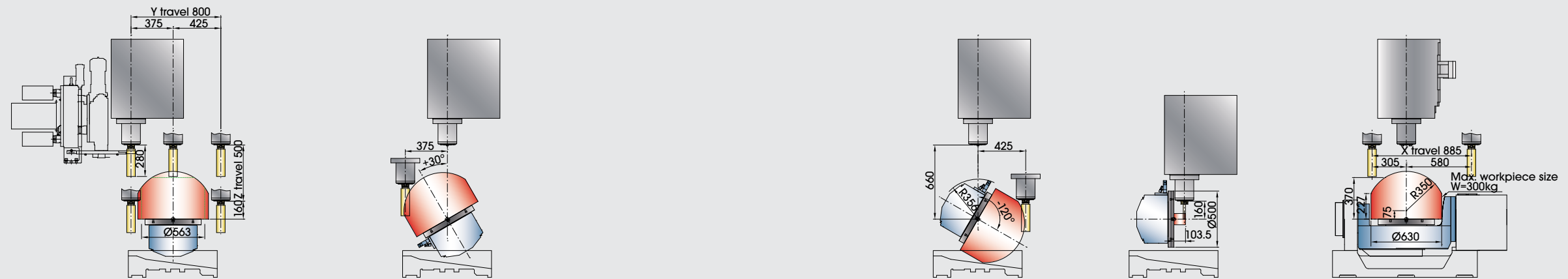


UX630APC

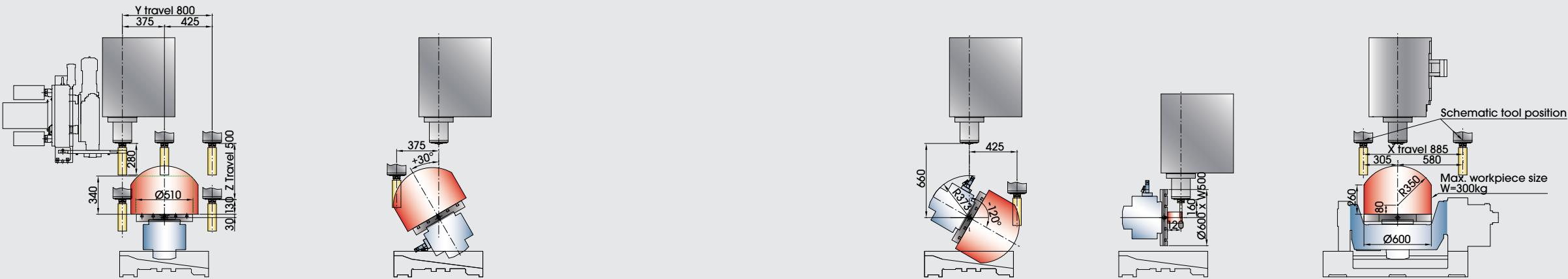


Cutting area and interference

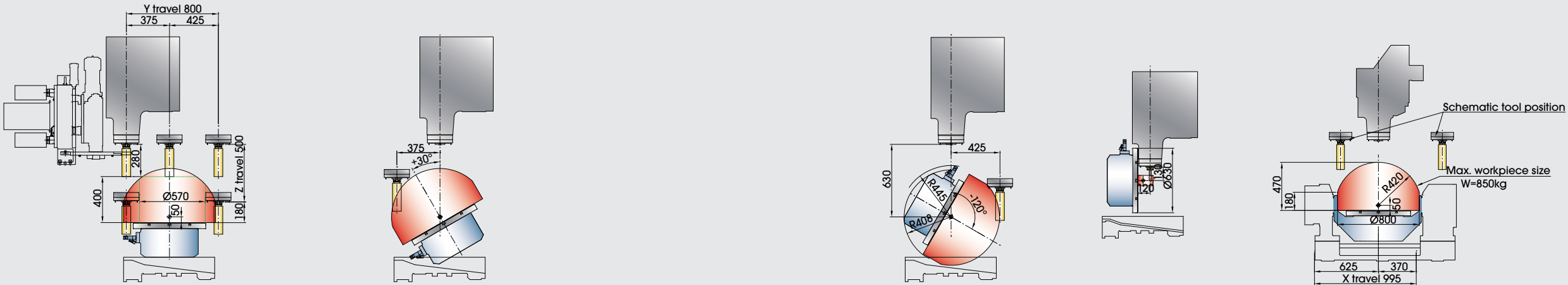
UX600C
Coupling spindle



UX600P
Belt spindle
Coupling spindle

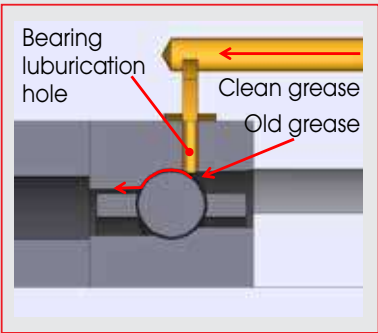
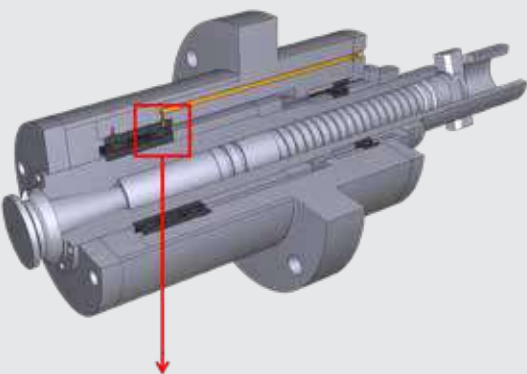


UX800P
Coupling spindle



Unique spindle technology

- Re-grease supply system is stable and eco-friendly by supplying new grease intermittently to bearings during high speed rotation.



- Standard on all models

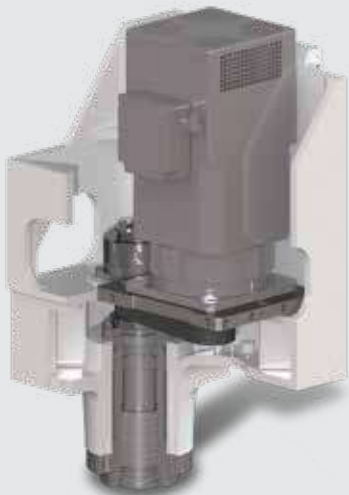
New spindle code		SC-4.2		MB-4.0	
Shaft diameter		Ø80 / Ø70		Ø70 / Ø65	
Spindle Taper		ISO-40		ISO-40	
Bearing arrangement		<< >>		< > =	
Ball bearing type		Ceramic		Ceramic	
Roller bearing type		-		Steel	
Bearing lubrication		Grease packed		Grease packed	
Transmission		Coupling		Belt	
Spindle Speed		12,000		9,000	12,000
FANUC					
Spindle base speed		1,500		-	
Spindle output kW	(S3-25%)	18.5	15	-	
Spindle output torque Nm	(S3-25%)	118	95.5	-	
HEIDENHAIN					
Spindle base speed		1,500	2,000	1,125	1,500
Spindle output power kW	(S6-25%)	17	27.7	32	
Spindle output torque Nm	(S6-25%)	108	132	272	204
SIEMENS					
Spindle base speed		1,500	-	1,125	1,500
Spindle output power kW	(S6-25%)	13.3	-	28.5	
Spindle output torque Nm	(S6-25%)	85	-	242	182
CTS Availability		○*	○	●	●
UX500C		●●●	●		
UX500P				●●	●●
UX500APC				●●	●●
UX630					
UX630APC					
UX600C			●●		
UX600P				●●	●●
UX800P					

(1) S3-25% *FANUC not available

Coupling



Belt



Built-in



MC-4.1R	HM-4.0	HM-4.0A
Ø80 / Ø65	Ø80 / Ø60	Ø80 / Ø60
ISO-40 / HSK A63	ISO-40	HSK A63
< > =	<< > >	<< > >
Ceramic	Ceramic	Ceramic
Steel	-	-
Re-Grease	Grease packed	Oil-air
Coupling	Built-in	
15,000	12,000	18,000
1,400	-	-
26	-	-
177	-	-
2,000	2,940	3,000
27.7	40 ⁽¹⁾	46 ⁽¹⁾
132	131.3 ⁽¹⁾	146 ⁽¹⁾
2,000	2,940	
27.7	40 ⁽¹⁾	46 ⁽¹⁾
132	131.3 ⁽¹⁾	146 ⁽¹⁾
●	●	●
● ●		
● ●		
	● ●	● ●
	● ●	● ●
● ●		
●		

Work envelope

UX500	UX500C		UX500P / UX500APC	
	Rotary Axis	Tilting Axis	Rotary Axis	Tilting Axis
	(C-axis)	(B-axis)	(C-axis)	(B-axis)
Drive method	D-D	Worm	D-D	D-D
Max. swing piece size (mm)	Ø500 x 350 / Ø500 x 300			
Table load capacity (kg)	200		250 / 200	
Maximum R.P.M	50	16.6(F/S); 22.2(T)	100 / 100	60 / 60
Indexing accuracy (sec)	8*	12*	5* / 5*	5* / 5*
Repeatability (sec)	4*	8*	4* / 4*	4* / 4*
Clamping torque (Nm)	1,800	2,500	1,800	2,500

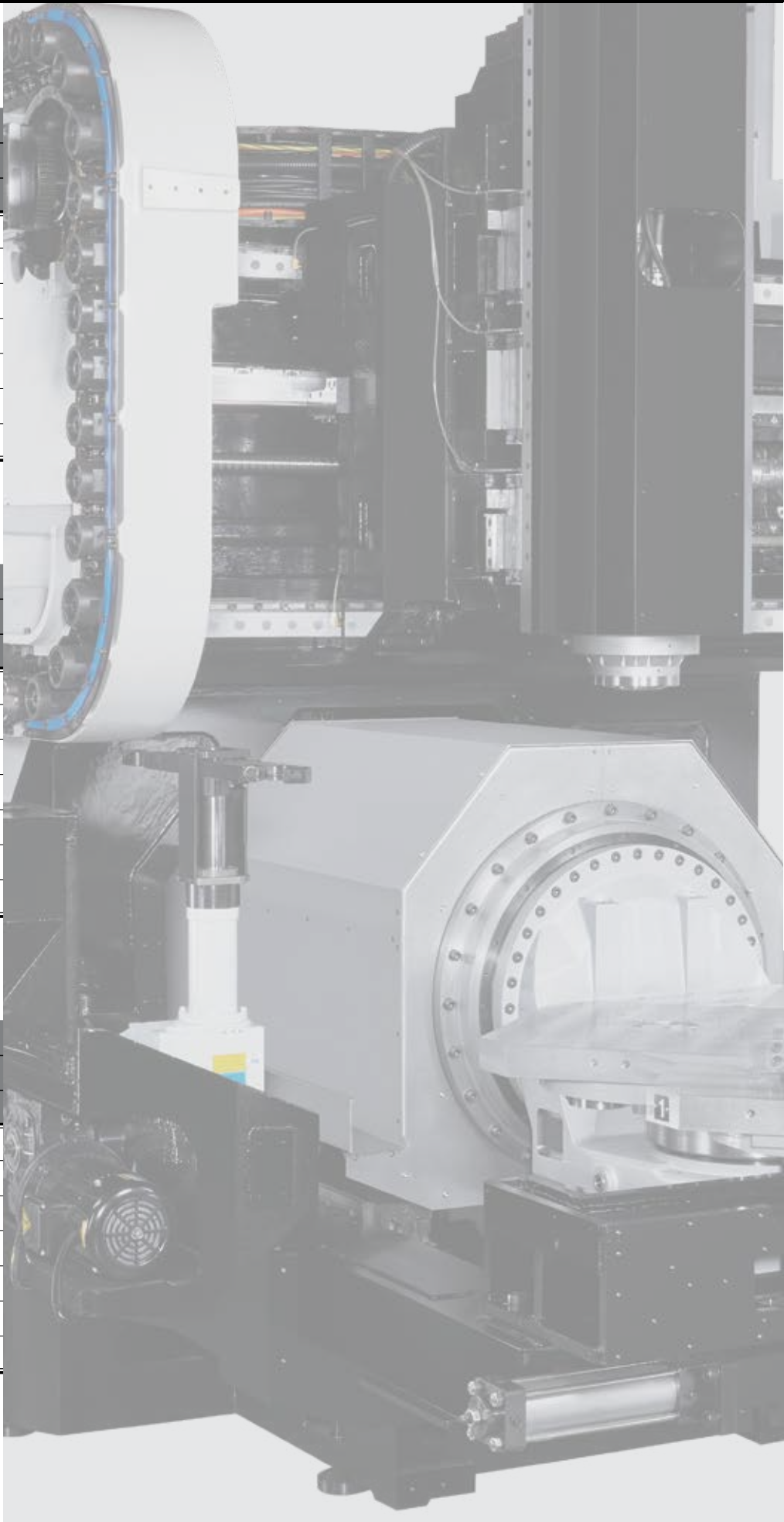
Note: *With absolute rotary encoder

UX630	UX630P		UX630APC	
	Rotary Axis	Tilting Axis	Rotary Axis	Tilting Axis
	(C-axis)	(B-axis)	(C-axis)	(B-axis)
Drive method	D-D		D-D	
Max. swing piece size (mm)	Ø630 x 600		Ø630 x 480	
Table load capacity (kg)	500		400	
Maximum R.P.M	100	60	100	60
Indexing accuracy (sec)	5*	5*	5*	5*
Repeatability (sec)	4*	4*	4*	4*
Clamping torque (Nm)	3,200	4,200	3,200	4,200

Note: *With absolute rotary encoder

UX	UX600C / UX600P		UX800P	
	Rotary Axis	Tilting Axis	Rotary Axis	Tilting Axis
	(C-axis)	(A-axis)	(C-axis)	(A-axis)
Drive method	Worm		D-D	
Max. swing (mm)	Ø630 x Ø600		Ø800	
Table load capacity (kg)	300		850	
Maximum R.P.M (min ⁻¹)	16.6 / 33.3	11.1 / 25	100	60
Indexing accuracy (sec)	20(12*)/14(10*)	12* / 10*	5*	5*
Repeatability (sec)	12(5*) / 4(2*)	8* / 5*	2*	5*
Clamping torque (Nm)	2,000 / 1,666	2,500 / 2,156	2,400	2,400 x 2

Note: *With absolute rotary encoder

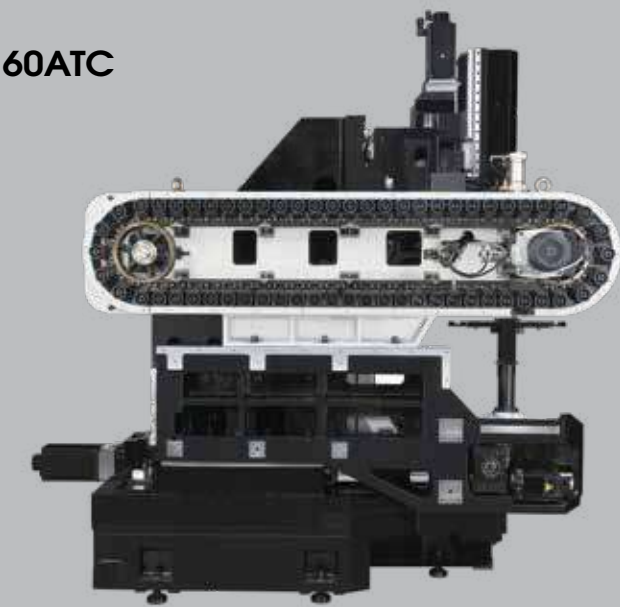




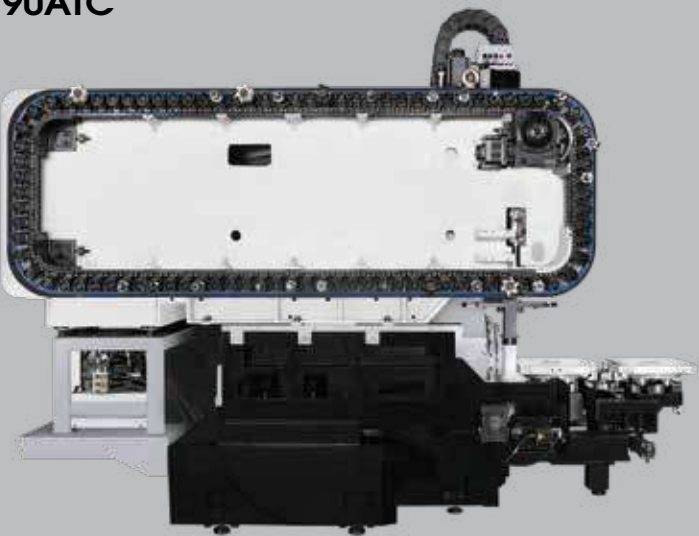
30ATC



48ATC



60ATC



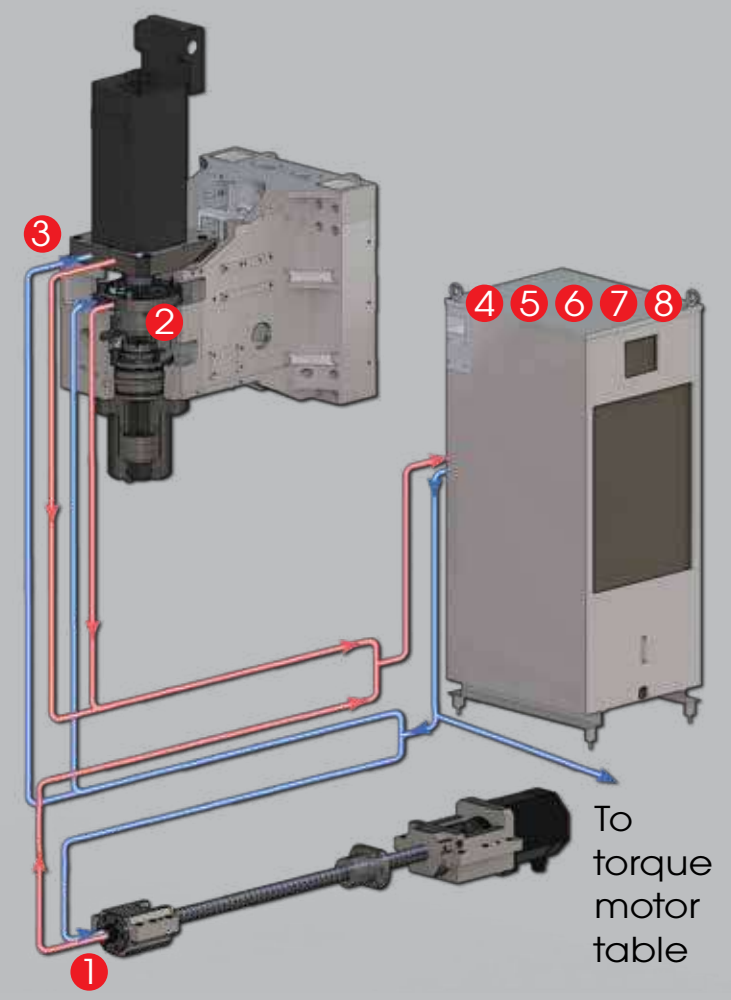
90ATC

Thermal management

To meet more and more severe "WORKING ACCURACY" requirements, our "THERMAL MANAGEMENT" :

LEVEL I - Standard

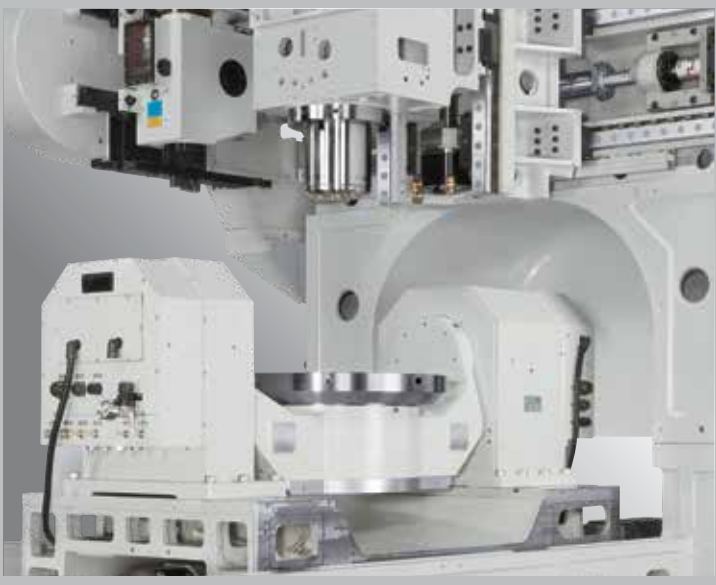
- 1 Coolant through ball screw.
To keep
 - a). Under $\pm 10 \mu m$ repeatability on X, Y & Z
 - b). Stable rigidity on ball screw system
- 2 Spindle cooling circuit
- 3 Motor mountingblock cooling circuit (for coupling spindle)
- 4 Oil chiller 6,000 BTU
- 5 Oil chiller 12,000 BTU
- 6 Oil chiller 24,000 BTU
- 7 Oil chiller 48,000 BTU
- 8 Water chiller



	UX500C	UX500P / UX500APC		UX630P / UX630APC	UX600C	UX600P		UX800P
	Coupling	Belt	Coupling	Built-in	Coupling	Belt	Coupling	Coupling
1	○	●	●	●	○	●	●	●
2	●	●	●	●	●	●	●	●
3	●	×	●	×	●	×	●	●
4	●	×	×	×	●	×	×	×
5	○	×	×	×	○	●	●	×
6	×	●	●	×	×	×	○	×
7	×	×	×	×	×	×	×	●
8	×	×	×	●	×	×	×	×

LEVEL II

- 9 Scale on X, Y, Z & C
(Scale on A axis as standard)



- 10 Tool length / breakage measurement (opt.)

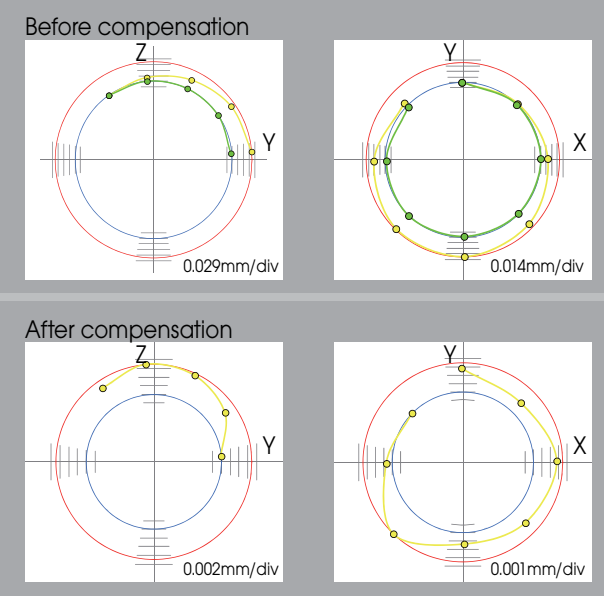


LEVEL III

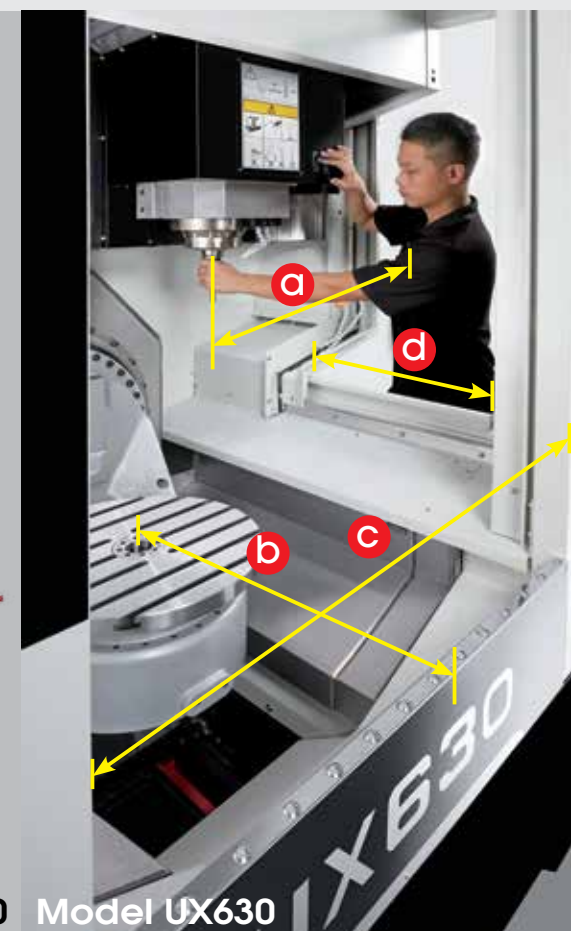
- 11 Thermal comp with probe



- 12 Touch probe cycles for automatic measurement of rorary axes (opt.)



Ergonomic operation



		UX500 / UX500APC	UX630 / UX630APC	UX600 / UX800
a	Convenient distance from operator to the spindle (mm)	434 / 458	356	200
b	From center of table to front door (mm)	670 / 367	565 / 438	625
c	Max. size when front door open (mm)	800 / 850	950 / 900	830
d	Side door opening (mm)	840 / 1,050	750 / 790	-
e	Ergonomic operation panel with adjustable angle	Std.		-
f	Documentation & hand tool shelf	Std.		
g	Tool loading / unloading on magazine side	Std.		
h	Centralized configuration of lubrication and pneumatic panel	Std.		
i	Our hydraulic and oil chiller are integrated into the machine design for clean appearance, minimal floor requirement and easy access for service.	-	Std.	-



Model UX600

Model UX630

Coolant & chip management

	UX500C	UX500P / UX500APC	UX630P / UX630APC	UX600C	UX600P	UX800P
Coolant tank	450 L		400 L	400 L		
Coolant through spindle	Opt.	20 bar	20 bar	20 bar		
Nozzle coolant	3 bar		3.5 bar	3.5 bar		
Wash gun	Std.		Std.	Std.		
Chip augers	Std.		-	Std.		
Ceiling wash down	Std.		Std.	-		
wash down	3 bar		3.5 bar	3 bar		



Model UX500



Model UX630



Model UX600



Chips fall directly to avoid thermal effects on structure (model UX630)

Model UX500

Contorl: (F) = FANUC (T) = HEIDENHAIN (S) = SIEMENS

Technical data	UX500		UX500 / UX500APC		
	C		P		
	Multi face	5 axes	5 axes		
Spindle code	12C		9B	12B	15C
Work range					
Table size (mm)	Ø410		Ø410 / □400		
Travel	X / Y / Z (mm) B / C (degree)		712 (-400 ~ +312) / 508 (-254 ~ +254) / 515 712 (-400 ~ +312) / 508 (-256 ~ +252) / 515		
			+30° ~ -120° / 360° (Continuous)		
Max. swing (mm)			Ø500		
Table surface to spindle nose (mm)	100 ~ 615		100 ~ 615 / 30 ~ 545		
Spindle nose to tilting center at 90° (mm)	100 ~ 615		100 ~ 615		
Max. work piece size (mm)	Ø500 x 350 ⁽¹⁾		Ø500 x 350 ⁽¹⁾ / Ø500 x 300		
Table load capacity (kg)	200		250 / 200		
Feed drive	6,283 / 6,283 / 11,519 (F) 6,283 / 6,283 / 10,472 (S) 9,268 / 9,268 / 11,310 (T)		10,472 / 10,472 / 14,137 (S) 11,310 / 11,310 / 13,666 (T)		
Feed force	X / Y / Z (N)				
Rapid movement	X / Y / Z (m / min) B / C (min ⁻¹)		36 / 36 / 36 B=22.2 (F;T) 16.6 (F;S) / C=50 B=60 / C=100		
Acceleration	X / Y / Z (m/s²)		3 / 3 / 2.5 (F)(S)(T)		
Dia. & pitch of the ball screw			Ø40 / P = 12 / 12 / 12		
Accuracy Positioning / Repeatability					
ISO 230-2			0.008 / 0.004		
JIS 6338 (300 mm)			±0.003 / ±0.002		
VDI3441			0.008 / 0.004		
Main spindle					
Spindle taper			BBT 40		
Max. spindle speed	12,000		9,000	12,000	15,000
Tool changer					
Tool selection			Random		
Magazine positions	30 (std.) 48 / 60 (opt.)		48 (std.) 60 (opt.)		
Max. tool diameter w/o adjacent tool (mm)			Ø76.2 / Ø125		
Max. tool length (mm)			280		
Max. tool weight (kg)			7		
Tool to tool time (sec.)			1.7		
Chip to chip time (sec.)	9.1		8.9		
Pallet changer					
Number of pallet	-		- / 2		
Method of pallet changer	-		- / Swing type		
Pallet change time (sec.)	-		- / 12		
Pallet changing repeatability	-		- / 0.01		
Coolant system					
Coolant tank capacity (Liter)			450		
Pump capacity					
- Nozzie coolant			75 L / min., 3 bar		
- Coolant through spindle	Opt.		25 L / min., 20 bar		
- Wash down	75 L / min., 3 bar		75 L / min., 3 bar		
Machine size					
Height (mm)	3,350		3,350		
Floor space W x D (mm)	2,720 x 3,900		2,720 x 3,900 3,900 x 4,480		
Weight (kg)	8,430(30ATC) 8,730(48ATC) 8,930(60ATC)		10,300(48ATC) 10,500(60ATC)		
Connections					
Main power			220V / 60Hz or 400V / 50Hz		
Power consumption (KVA)	27(F) 25(S) 30(T)		38(S) 40(T)		

Note: ⁽¹⁾Please refer to actual max. workpiece interference diagram.

Contorl: (T) = HEIDENHAIN (S) = SIEMENS

Technical data		UX630		UX630APC	
		P			
		5 axes			
Spindle code		12M	18M	12M	18M
Work range					
Table size (mm)		Ø480		□500	
Travel		X / Y / Z (mm) B / C (degree)		900(-450~+450)/740(-330~+410)/610 900(-450~+450)/660(-330~+330)/610 ± 120° / 360° (Continuous)	
Max. swing (mm)		Ø630 ⁽¹⁾			
Table surface to spindle nose (mm)		120 ~ 730		0 ~ 610	
Spindle nose to tilting center at 90° (mm)		0 ~ 610		0 ~ 610	
Max. work piece size (mm)		Ø630 x 600 ⁽¹⁾		Ø630 x 480 ⁽¹⁾	
Table load capacity (kg)		500		400	
Feed drive					
Feed force		X / Y / Z (N)		10,249 / 18,692 / 10,249 (T) 10,603 / 14,137 / 10,603 (S)	
Rapid movement		X / Y / Z (m / min) B / C (min ⁻¹)		48 / 48 / 48 B=60 / C=100	
Acceleration		X / Y / Z (m/s ²)		8 / 7 / 10 (T) 6 / 4.1 / 4 (S)	
Dia. & pitch of the ball screw		Ø40 / P = 16 / 16 / 16			
Accuracy Positioning / Repeatability					
ISO 230-2		0.008 / 0.004			
JIS 6338 (300 mm)		± 0.003 / ± 0.002			
VDI3441		0.008 / 0.004			
Main spindle					
Spindle taper		BBT 40	HSK A63	BBT 40	HSK A63
Max. spindle speed		12,000	18,000	12,000	18,000
Tool changer					
Tool selection		Random			
Magazine positions		48 (std.) 60 / 90 (opt.)			
Max. tool diameter w/o adjacent tool (mm)		Ø76.2 / Ø125			
Max. tool length (mm)		300			
Max. tool weight (kg)		7			
Tool to tool time (sec.)		1.7 (< 6kg)			
Chip to chip time (sec.)		7.2			
Pallet changer					
Number of pallet		-		2	
Method of pallet changer		-		Swing type	
Pallet change time (sec.)		-		12.1	
Pallet changing repeatability (mm)		-		0.01	
Coolant system					
Coolant tank capacity (Liter)		400			
Pump capacity					
- Nozzie coolant		75 L / min., 3.5 bar			
- Coolant through spindle		25 L / min., 20 bar			
- Wash down		75 L / min., 3.5 bar		125 L / min	
Machine size					
Height (mm)		3,520			
Floor space W x D (mm)		48 / 60 / 90ATC	3,920 x 4,810	3,920 x 5,245	
Weight (kg)		48ATC	15,350	16,250	
		60 / 90ATC	15,500 / 16,300	16,400 / 17,200	
Connections					
Main power		220V / 60Hz or 400V / 50Hz			
Power consumption (KVA)		72(T) 69(S)			

Note: ⁽¹⁾Please refer to actual max. workpiece interference diagram.

● = Standard ○ = Option ✕ = N / A

Standard / Option accessories	UX500		UX500 / UX500APC		
	C		P		
	Multi face	5 axes	5 axes		
Spindle code	12C		9B	12B	15C
■ QUASER mill i (4+1 Axes)	●	✕	✕	✕	✕
■ HEIDENHAIN TNC620 (4+1 Axes)	○	✕	✕	✕	✕
■ HEIDENHAIN TNC640 (5 Axes)	✕	○	○	●	○
HEIDENHAIN advanced function set2	✕	○	○	●	○
■ SIEMENS 828D (PPU290)	○	✕	✕	✕	✕
■ SIEMENS 840D	✕	✕	○	○	○
■ Oil chiller	●	●	●	●	●
■ 40 taper / 30 position tool magazine	●	●	✕	✕	✕
■ 40 taper / 48 position tool magazine	○	○	●	●	●
■ 40 taper / 60 position tool magazine	○	○	○	○	○
■ Pull stud for BT tooling	○	○	●	●	●
■ Balance tooling for spindle warm up	○	○	●	●	●
■ BBT spindle attachment (Simultaneous contact)	●	●	●	●	●
■ ATC auto door	●	●	●	●	●
■ X / Y / Z linear scale	○	○	○	○	○
■ Rotary encoder on B & C axes	●	●	●	●	●
■ Remote manual pulse generator	●	●	●	●	●
■ Transformer ⁽¹⁾	○	○	○	○	○
■ Work probe receive OMI-2T	●	●	●	●	●
■ Work probe OMP-40	○	○	●	●	●
■ Reference rod (for thermal comp with probe)	●	●	●	●	●
■ Tool length / breakage measurement ⁽²⁾	○	○	○	○	○
■ 5 Port through table ⁽³⁾	○	○	● / ✕	● / ✕	● / ✕
■ Air pressure detector for pallet clamping	✕	✕	✕ / ●	✕ / ●	✕ / ●
■ 4 port through pallet ^{(3) (4)}	✕	✕	✕ / ○	✕ / ○	✕ / ○
■ Coolant system	●	●	●	●	●
■ Coolant through ball screw	○	○	●	●	●
■ Coolant through spindle 20 bar	○	○	●	●	●
■ Coolant wash gun	●	●	●	●	●
■ Coolant wash down	●	●	●	●	●
■ Air gun	○	○	○	○	○
■ Chip conveyor	●	●	●	●	●
■ Chip augers	●	●	●	●	●
■ Cutter air blast	●	●	●	●	●
■ Oil-mist collector	○	○	○	○	○
■ Bag filtration	○	○	○	○	○
■ Filtration unit	○	○	○	○	○
■ Documentation (CD-ROM) ⁽⁵⁾	●	●	●	●	●
■ Total Enclosure Guard (with Top side cover)	●	●	●	●	●
■ Work light	●	●	●	●	●
■ Machine status light	●	●	●	●	●
■ CE & EMC ⁽⁶⁾ / GB	○	○	○	○	○

Note: ⁽¹⁾ Transformer as standard or option item will be varied according to control system and power supply condition.
⁽²⁾ APC only laser type. ⁽³⁾ Without Solenoid valve and control. ⁽⁴⁾ Factory mounted only.
⁽⁵⁾ Paper documentation is option. ⁽⁶⁾ As standard for Europe area.
- Machine specification might be different from the catalog if any specification update.

● = Standard ○ = Option ✕ = N / A

Standard / Option accessories	UX630	UX630APC
	P	
	5 axes	
Spindle code	12M/18M	12M/18M
■ HEIDENHAIN TNC640 (5 Axes)	●	●
HEIDENHAIN advanced function set2	●	●
■ SIEMENS 840D (5 Axes)	○	○
■ Water chiller	●	●
■ 40 taper / 48 position tool magazine	●	●
■ 40 taper / 60 position tool magazine	○	○
■ 40 taper / 90 position tool magazine	○	○
■ Balance tooling for spindle warm up	●	●
■ BBT spindle attachment (Simultaneous contact)	●	●
■ ATC auto door	●	●
■ X / Y / Z linear scale	○	○
■ Rotary encoder on B / C axes	●	●
■ Remote manual pulse generator	●	●
■ Transformer ⁽¹⁾	○	○
■ Work probe receive RMI-Q	●	●
■ Work probe RMP-40	●	●
■ Reference rod (for thermal comp with probe)	●	●
■ Tool length / breakage measurement ⁽²⁾	○	○
■ 5 Port through table ⁽³⁾	●	✕
■ Air pressure detector for pallet clamping	✕	●
■ 4 port through pallet ^{(3) (4)}	✕	○
■ Coolant system	●	●
■ Coolant through ball screw	●	●
■ Coolant through spindle 20 bar	●	●
■ Coolant through spindle 50 bar	○	○
■ Coolant wash gun	●	●
■ Coolant wash down	●	●
■ Air gun	○	○
■ Chip conveyor	●	●
■ Cutter air blast	●	●
■ Oil-mist collector	○	○
■ Filtration unit	○	○
■ Documentation (CD-ROM) ⁽⁵⁾	●	●
■ Total Enclosure Guard (with Top side cover)	●	●
■ Work light	●	●
■ Machine status light	●	●
■ CE & EMC ⁽⁶⁾	○	○

Note: ⁽¹⁾ Transformer as standard or option item will be varied according to control system and power supply condition.
⁽²⁾ Only laser type. ⁽³⁾ Without Solenoid valve and control. ⁽⁴⁾ Factory mounted only.
⁽⁵⁾ Paper documentation is option. ⁽⁶⁾ As standard for Europe area.
- Machine specification might be different from the catalog if there is any specification update.

Contorl: (F) = FANUC (T) = HEIDENHAIN (S) = SIEMENS

Technical data		UX600				UX800	
		C		P		P	
		Multi face	5 axes	5 axes			
Spindle code		12C		9B	12B	15C	15C
Work range							
Table size (mm)		Ø500		Ø280 / Ø600 x W500			Ø630
Travel	X (mm)	885 (-580 ~ +305)		885 (-580 ~ +305)			995 (-625 ~ +370)
	Y (mm)	800 (+375 ~ -425)		800 (+375 ~ -425)			800 (+375 ~ -425)
	Z (mm)	500		500			500
	A (degree)	+30° ~ -120°		+30° ~ -120°			+30° ~ -120°
	C (degree)	360° (Continuous)		360° (Continuous)			360° (Continuous)
Max. swing (mm)		Ø630		Ø600			Ø800
Table surface to spindle nose (mm)		160 ~ 660		130 ~ 630			180 ~ 680
Spindle nose to tilting center at 90°		160 ~ 660		160 ~ 660			130 ~ 630
Max. work piece size (mm)		Ø630 x 425		Ø600 x 430			Ø800 x 470
Table load capacity (kg)		300		300			850
Feed drive		11,519 / 11,519 / 11,519 (F)		13,666 / 13,666 / 13,666 (T)			
Feed force	X / Y / Z (N)	13,666 / 13,666 / 13,666 (T)		14,137 / 14,137 / 14,137 (S)			19,897/13,666/13,666(T)
Rapid movement	X / Y / Z (m / min)	36 / 36 / 36		36			36
	A / C (min ⁻¹)	A=11.1 / C=16.6		A=25 / C=33.3			A=60 / C=100
Acceleration	X / Y / Z (m/s ²)	3 / 4 / 4 (F) 3 / 4.5 / 4.5 (T)		5 / 5.5 / 5.5 (T)(S)			5 / 5.5 / 5.5 (T)
Dia. & pitch of the ball screw		Ø45 / P = 12 / 12 / 12					
Accuracy Positioning / Repeatability							
ISO 230-2		0.008 / 0.004					
JIS 6338 (300 mm)		± 0.003 / ± 0.002					
VDI3441		0.008 / 0.004					
Main spindle							
Spindle taper		BBT 40					
Max. spindle speed		12,000		9,000	12,000	15,000	15,000
Tool changer							
Tool selection		Random					
Magazine positions		30 (std.) 48 & 60 (opt.)		48 (std.) 60 (opt.)			
Max. tool diameter (mm)		76.2					
w/o adjacent tool (mm)		125					
Max. tool length (mm)		280					
Max. tool weight (kg)		7					
CTC time-ISO 10791-9 (sec.)		7.2 (F) 6.9 (T)		6.7			
Coolant system							
Coolant tank capacity (Liter)		400					
Pump capacity							
- Nozzie coolant		60 L / min., 3.5 bar					
- Through spindle coolant		25 L / min., 20 bar					
- Wash down		60 L / min., 3 bar					
Machine size							
Height (mm)		3,280					
Floor space W x D (mm)		4,150 x 3,800					
Weight (kg)		11,680 (30ATC) 11,960 (48ATC) 12,100 (60ATC) 12,820 (90ATC)					
Connections							
Main power		220V or 380V or 400V or 415V / 50Hz or 60Hz					
Power consumption (KVA)		30(F) 35(T)		38(T) 41.3(S)			53(T)

● = Standard ○ = Option x = N / A

Standard / Option accessories	UX600		UX600			UX800
	C		P			P
	Multi face	5 axes	5 axes			
Spindle code	12C		9B	12B	15C	15C
■ QUASER mill I (4+1 Axes)	●	x	x	x	x	x
■ HEIDENHAIN TNC620 (4+1 Axes)	○	x	x	x	x	x
■ HEIDENHAIN TNC640 5 Axes)	x	●	○	●	○	●
HEIDENHAIN advanced function set2	x	●	○	●	○	●
■ SIEMENS 840D	x	x	○	○	○	x
■ Oil chiller	●	●	●	●	●	●
■ 40 taper / 30 position tool magazine	●	●	x	x	x	x
■ 40 taper / 48 position tool magazine	○	○	●	●	●	●
■ 40 taper / 60 position tool magazine	○	○	○	○	○	○
■ 40 taper / 90 position tool magazine	○	○	○	○	○	○
■ Pull stud for BT tooling system	○	○	●	●	●	●
■ Balance tooling for spindle warm up	○	○	●	●	●	●
■ BBT spindle attachment (Simultaneous contact)	●	●	●	●	●	●
■ ATC auto door	●	●	●	●	●	●
■ X / Y / Z linear scale & C rotary encoder	○	○	○	○	○	●
■ Rotary encoder on A axes	●	●	●	●	●	●
■ Remote manual pulse generator	●	●	●	●	●	●
■ Transformer ⁽¹⁾	○	○	○	○	○	○
■ Work probe receive OMI-2T	●	●	●	●	●	●
■ Work probe OMP-40	○	○	●	●	●	●
■ Tool length / breakage measurement	○	○	○	○	○	○
■ Reference rod (for thermal comp with probe)	●	●	●	●	●	●
■ 2 Port through table ⁽²⁾	○	○	●	●	●	●
■ Coolant system	●	●	●	●	●	●
■ Coolant through ball screw	○	○	●	●	●	●
■ Coolant through spindle 20 bar	●	●	●	●	●	●
■ Coolant wash gun	●	●	●	●	●	●
■ Coolant wash down	●	●	●	●	●	●
■ Air gun	○	○	○	○	○	○
■ Chip conveyor	●	●	●	●	●	●
■ Chip augers	●	●	●	●	●	●
■ Cutter air blast	●	●	●	●	●	●
■ Stainless steel chip pan & chip channel	●	●	●	●	●	●
■ Oil-mist collector	○	○	○	○	○	○
■ Bag filtration	○	○	○	○	○	○
■ Filtration unit	○	○	○	○	○	○
■ Documentation (CD-ROM) ⁽³⁾	●	●	●	●	●	●
■ Total Enclosure Guard (with Top side cover)	●	●	●	●	●	●
■ Work light	●	●	●	●	●	●
■ Machine status light	●	●	●	●	●	●
■ CE & EMC ⁽⁴⁾ / GB	○	○	○	○	○	○

Note: ⁽¹⁾ Transformer as standard or option item will be varied according to control system and power supply condition.

⁽²⁾ UX800-5 port through table . ⁽³⁾ Paper documentation is option. ⁽⁴⁾ As standard for Europe area.

- Machine specification might be different from the catalog if there is any specification update.

UX500 Layout

Installation dimension

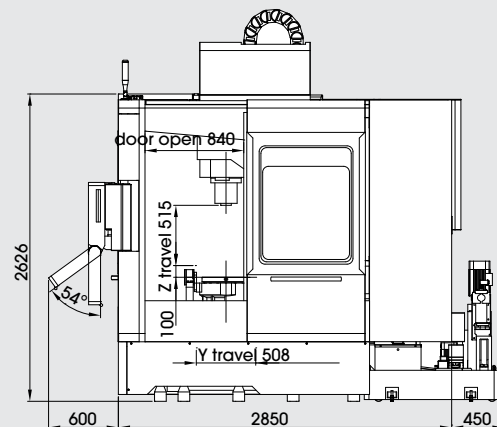
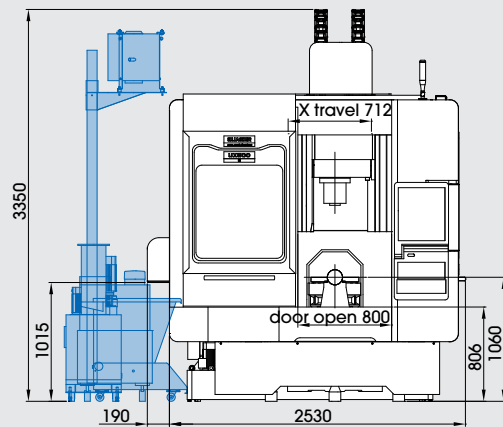
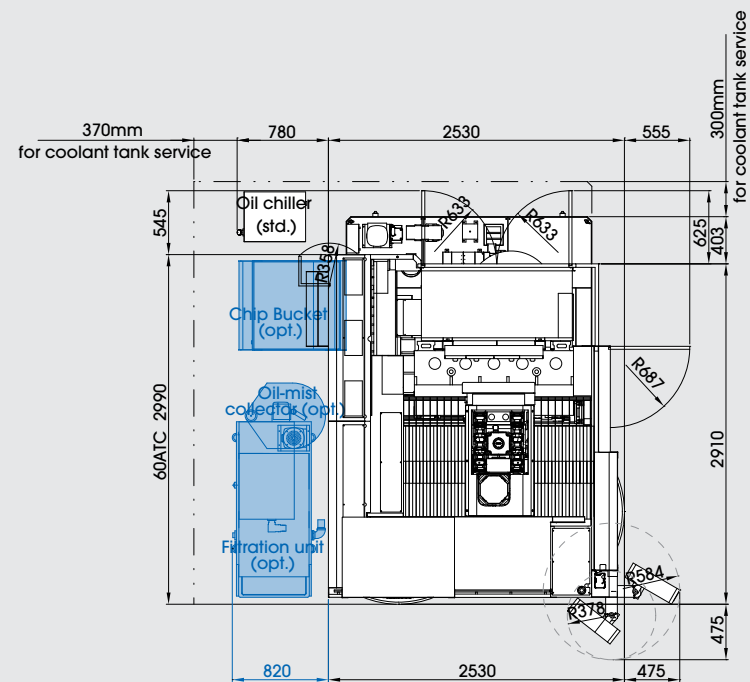
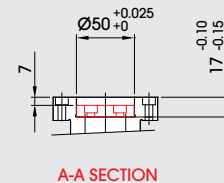
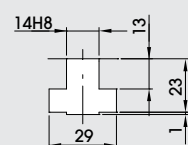
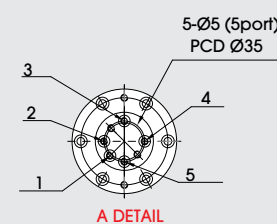
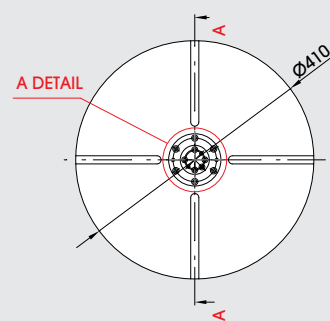


Table dimension



UX500APC Layout

Installation dimension

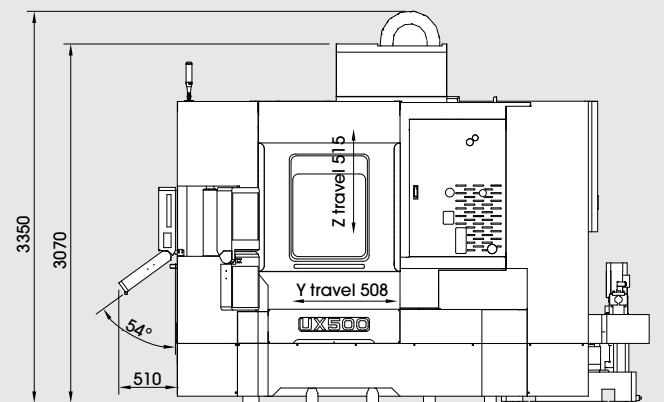
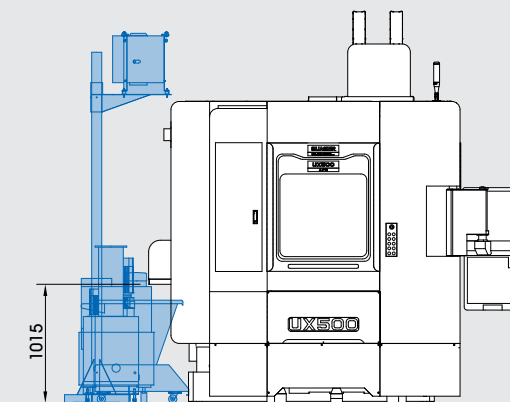
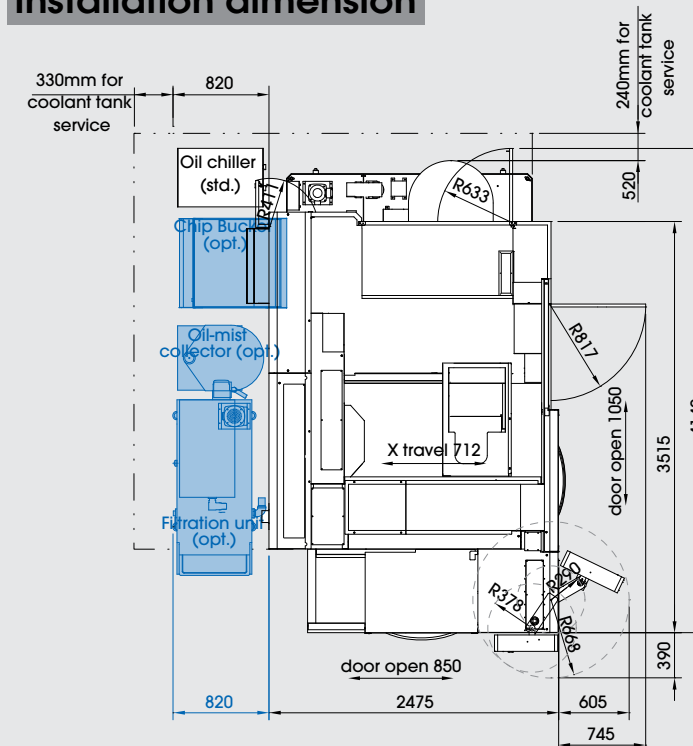
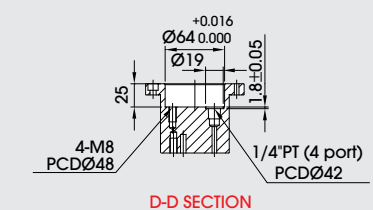
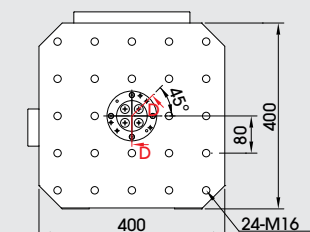
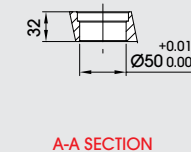
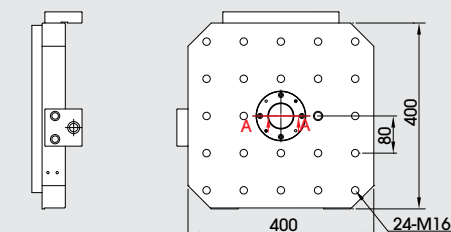
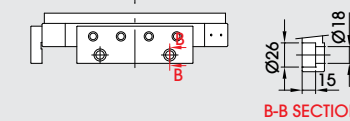


Table dimension



UX630 Layout

Installation dimension

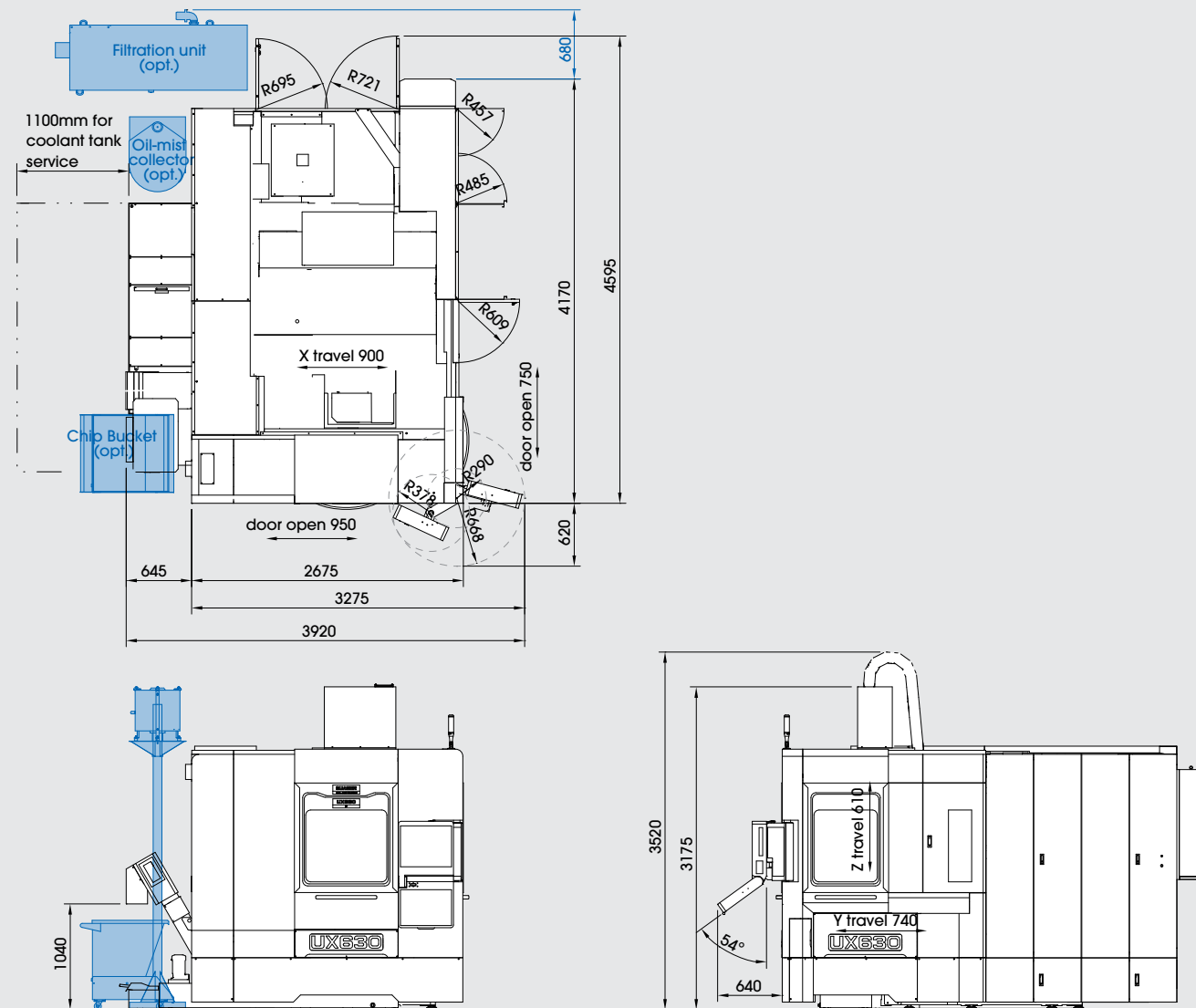
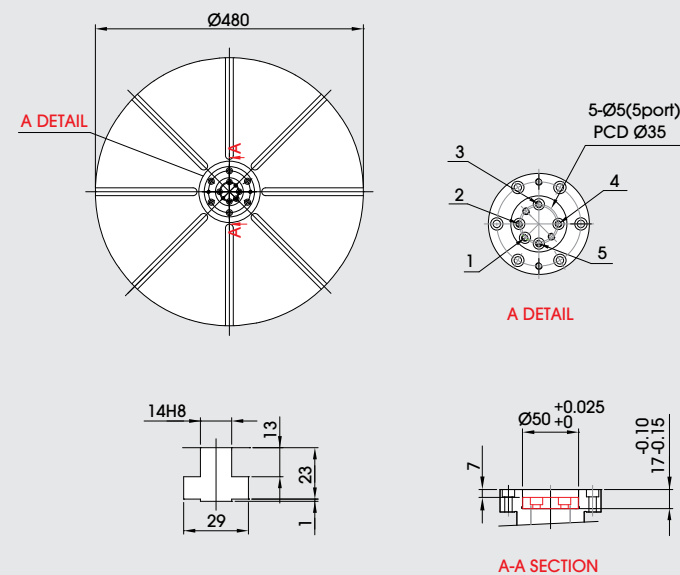


Table dimension



UX630APC Layout

Installation dimension

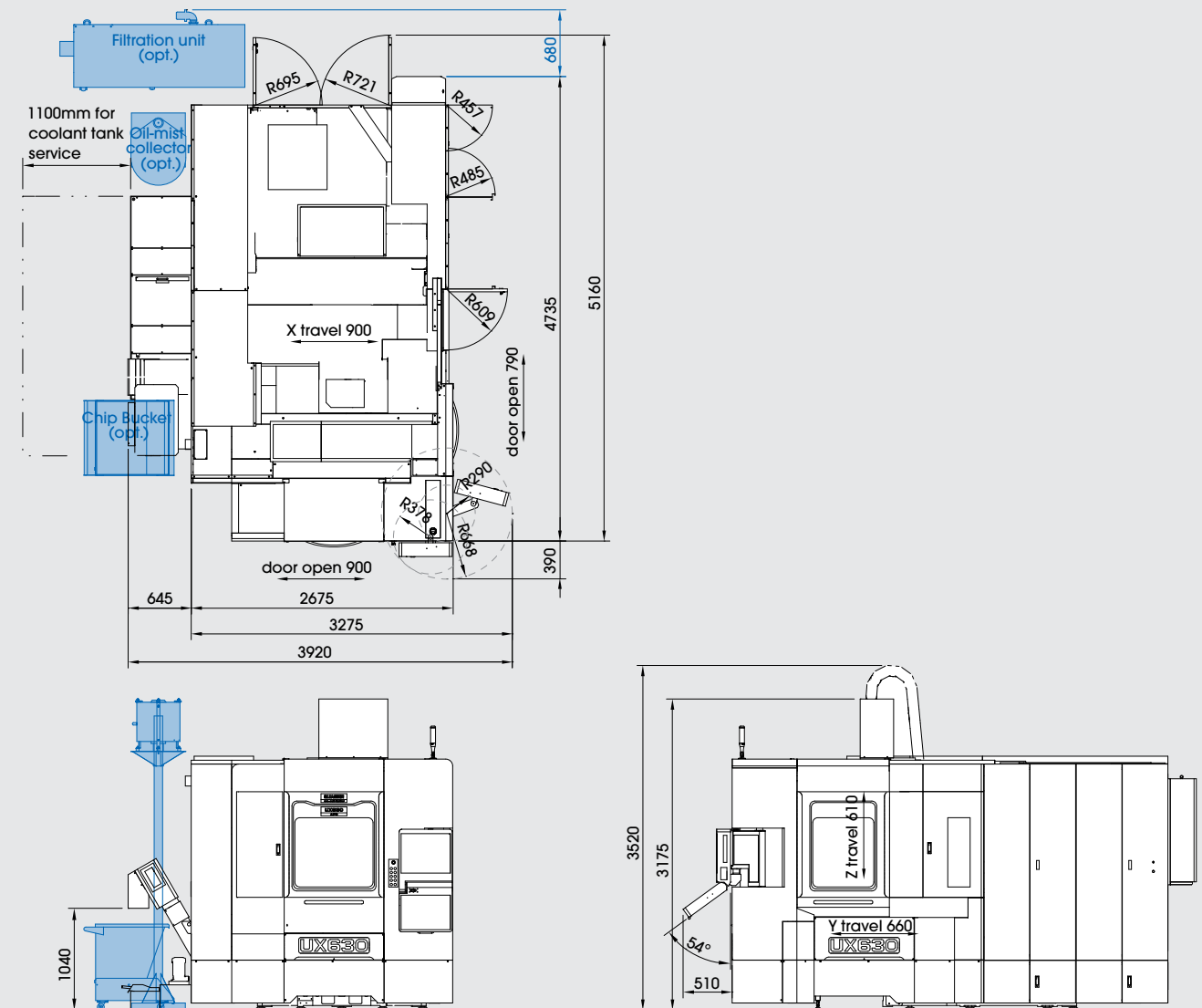
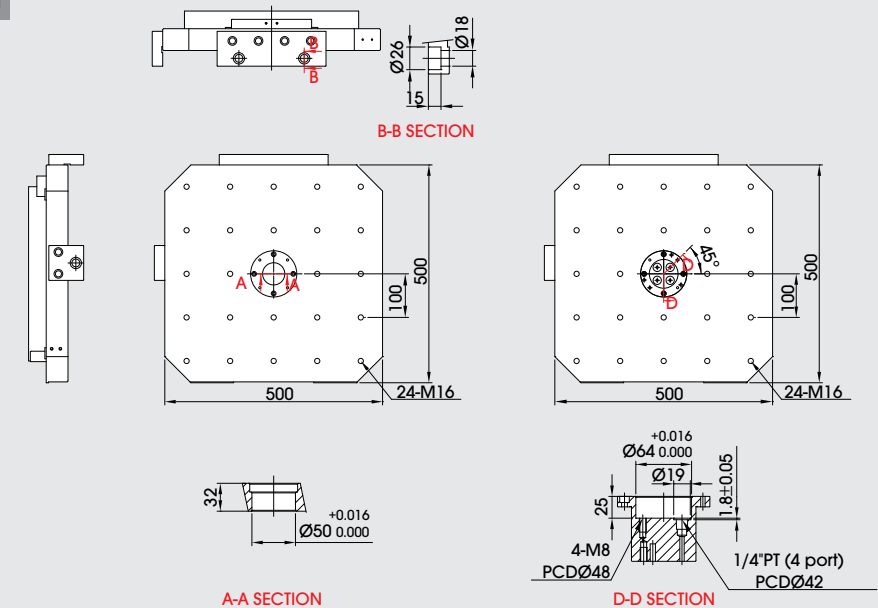
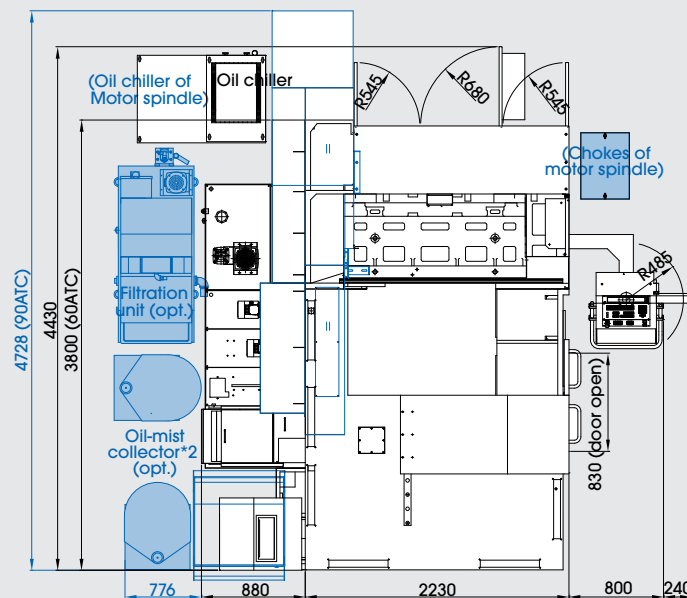


Table dimension



UX600 / UX800 Layout

Installation dimension



	UX600	UX800
A	1,024	978

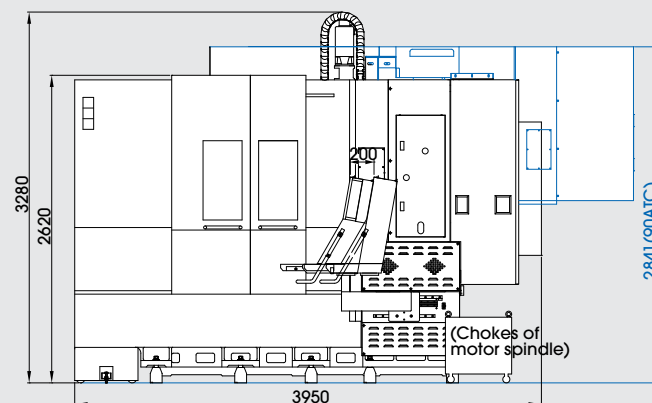
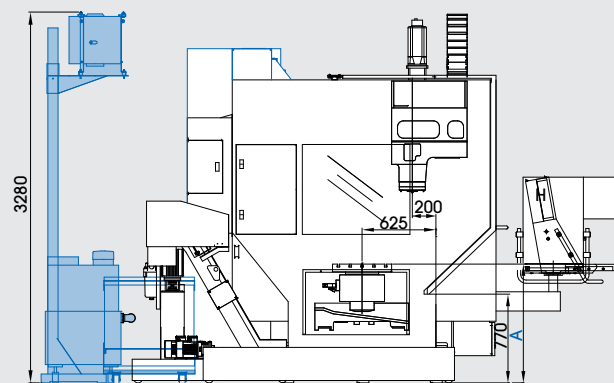
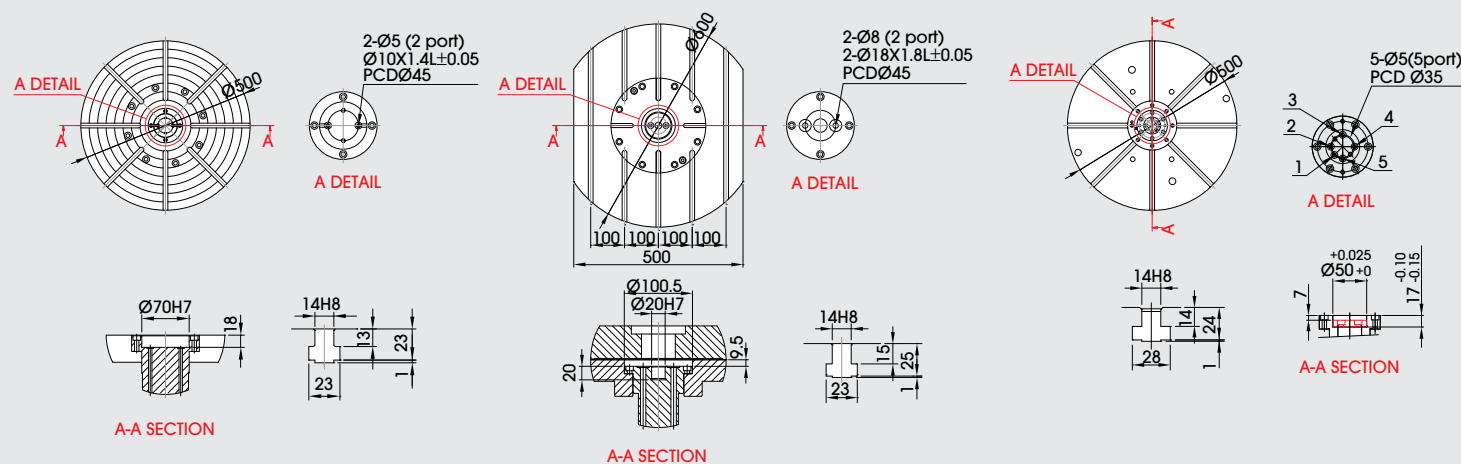


Table dimension



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