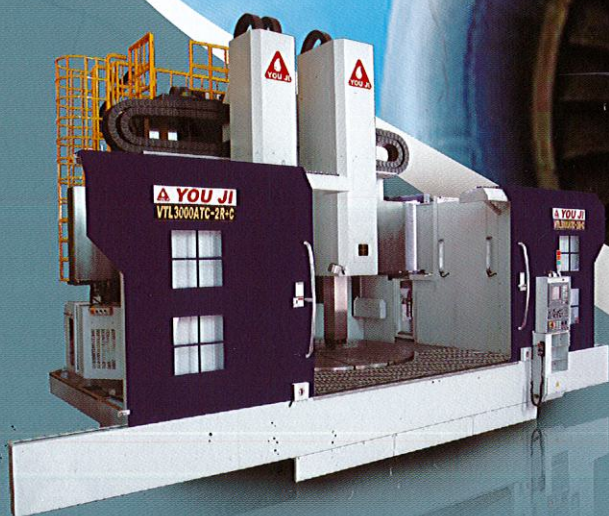
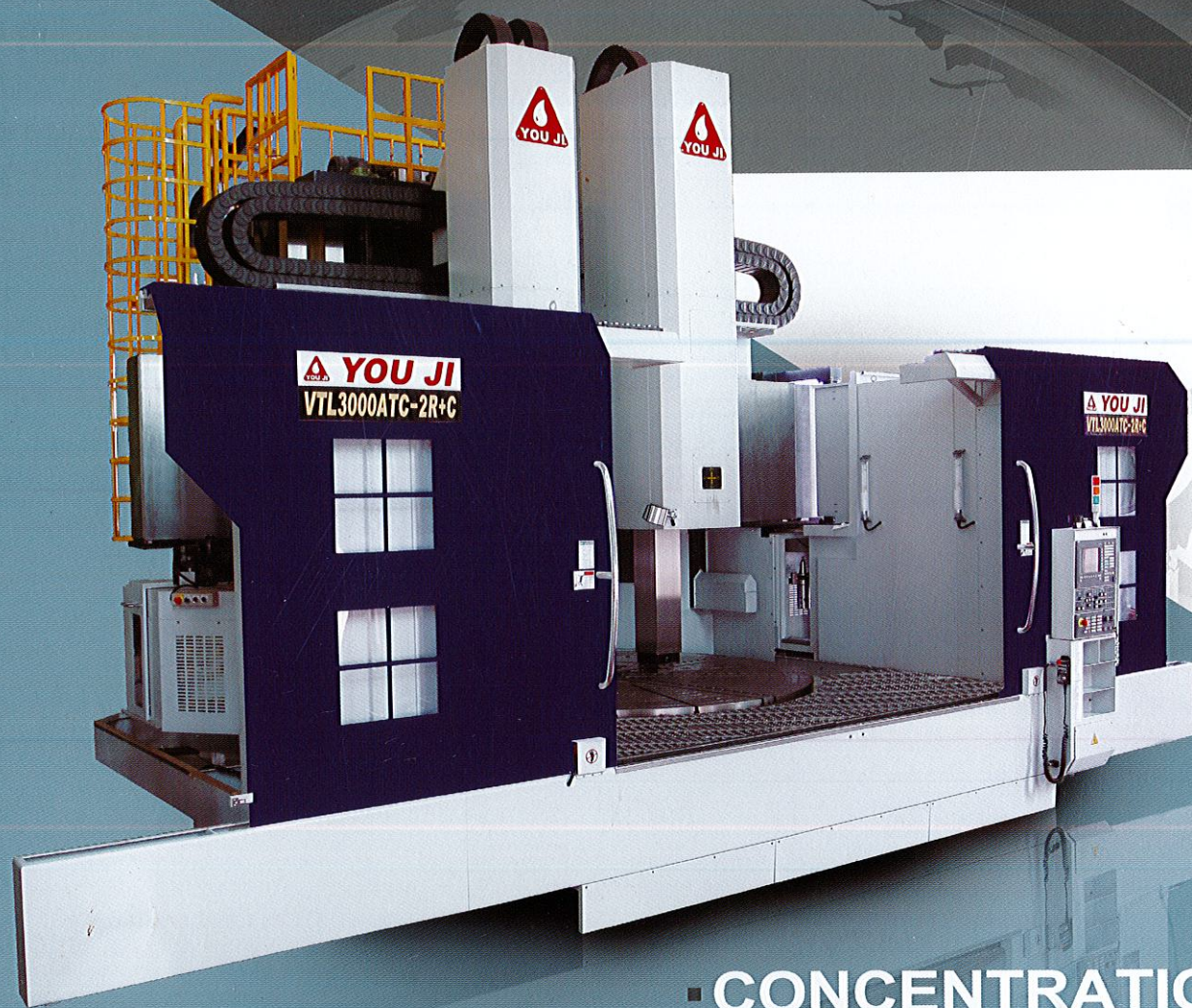




VTL Series

You Ji Machine Industrial Company Limited
CNC Vertical Turning Center



■ CONCENTRATION
■ QUALITY
■ TRUST

▶▶ Machine Definition

VTL 1600 ATC+C -I -2R -APC

- APC: Automatic Pallet Changer
- 2R: Double RAM (1600 and upward)
- I: Column height extension
- II: Column height extension
- ATC: Automatic Tool Changer
- ATC+C: Automatic Tool Changer + CF axis Function
- Machine Model (Diameter 1000-4500mm)
- Vertical Turning Lathe
(Symmetric design for column & base)

High Precision
Reliability **High Rigidity**



CNC Vertical Turning Center

1000/1200/1600/2000/2500

3000/3500/4000/4500

CONCENTRATION / QUALITY / TRUST

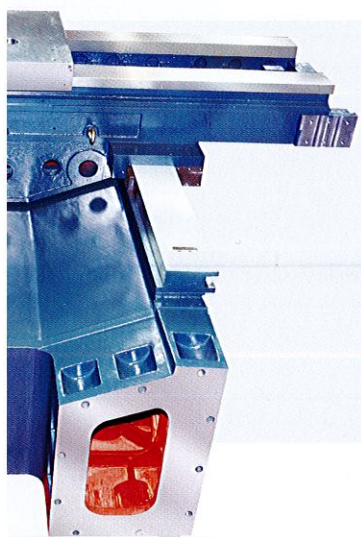
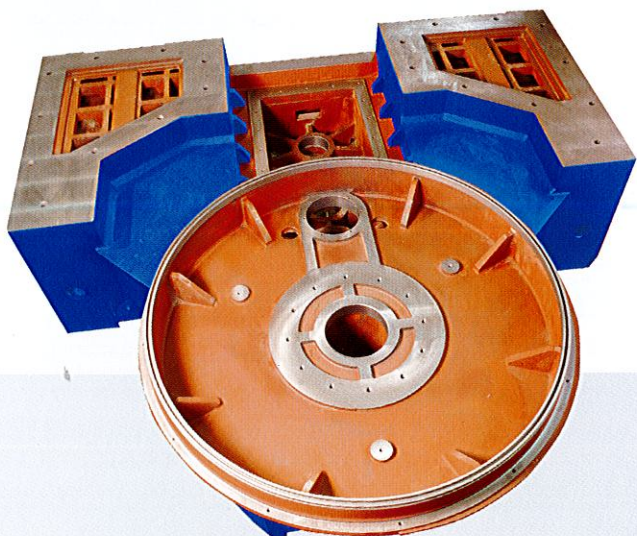
Quality Management : ISO 9001

Inspection Standard : JIS, VDI/DGQ 3441, ISO-230

ce Column

2500 series

type symmetric column structure
ase. The heavily walled and
minimizes the thermal distortion,
rd dynamic torsion, ensures a
machine assembly.

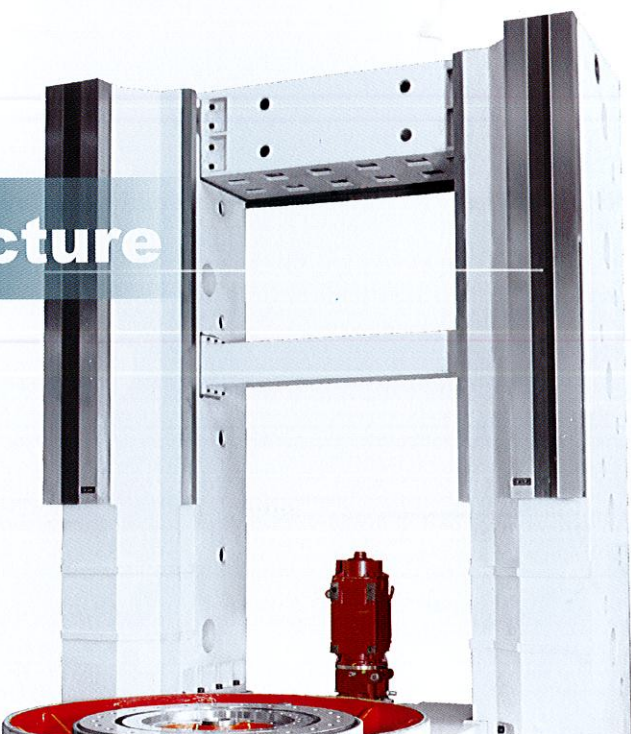


Structure

Column Structure

4500 series

umn and base are manufactured
istings, received a full heat
a stress-relieved process.
anufacturing process gives the
nsures high machine stability.

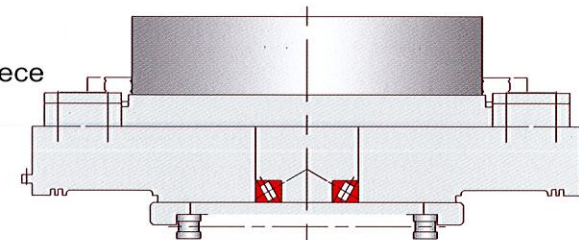


and multi ribbed design
thermal distortion, withstanding

Radial Single Row Bearing

» (Comparison of competitor models)

- Radial running load is weak
- Working point of bearing is far away to work piece
- Heavy duty cutting is not permitted
- High friction and axial thermal displacement
- High wear and short bearing life

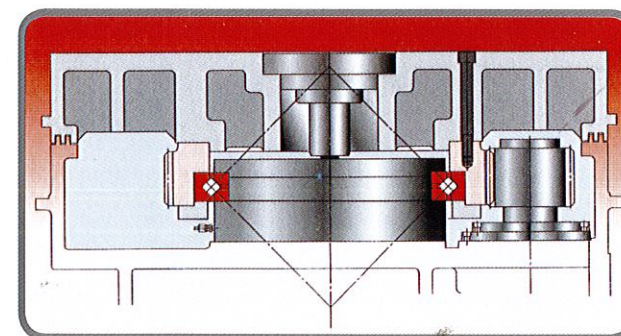


V. S

Precision

» Features of Crossed Roller Bearing

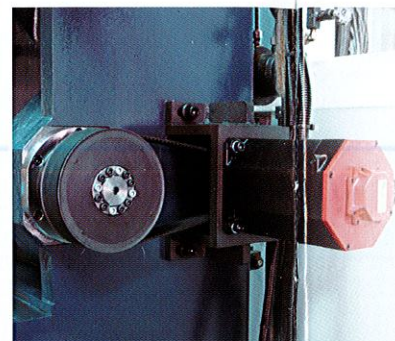
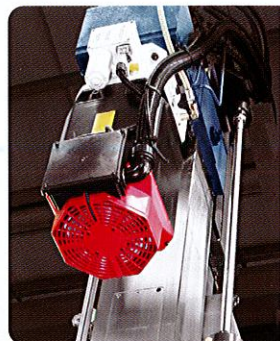
- Low centre of gravity in the machine and low centrifugal forces
- Heat dispersion and wear-resistant for longer bearing life
- Low inertia and operation under low torque running
- Low friction and high accuracy
- Low wear and long life



Transmission

Transmission System

- Z axis uses a high precision ball screw, the Z axis is driven directly by an AC servo motor, the counterbalance cylinder system ensures high accuracy machining demands, the perfectly balanced mass enhances the machine performance.
- X axis is driven by an AC servo motor incorporating speed reducer & encoder to ensure high torque and axial positioning accuracy.(VTL3000 and upward)



High Efficiency Transmission

High grade nickel-chrome alloy steel is used for the driven gear. Correct heat treatment and accurate grinding allows it be classified as first class precision in the Japanese JIS 1 standards.

Box Slideways Structure

- ▶ The castings of X axis box slideway are heat treated and stress relieved, this design gives the best rigidity to ensure heavy duty cutting.
- ▶ The slideway lubrication is controlled by an automatic central lube feeding system. The volume and timing of lubrication is controlled by CNC and enhances the machine accuracy & life.
- ▶ The X and Z axes box guide ways are induction hardened and precision ground, the mating sliding faces are Turcite B coated allowing slide assemblies to move with ease and low friction.

High Rigid Box Guide Way Design

Crossrail

The crossrail is movable in 200 mm increments, the chosen position depends on the height of the work piece. The crossrail positions automatically on precision mechanical steps, the movement of the crossrail is obtained by lead screws via reduced motor, the complete assembly is hydraulically clamped by 4 hydraulic cylinders after its positioning on the mechanical steps.



- ▶ Lubrication filtering unit
- ▶ Pressure sensor



- ▶ Spindle Oil Chiller

ATC Convenient & Easy

►► The design of ATC has shortest route bi-directional tool selection, a safe and ergonomic design feature.

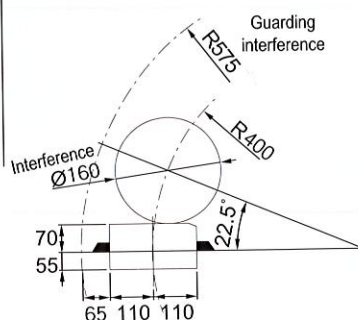
Chain type tool magazines are driven by a servo motor for fast positioning of the ATC, multi choice capacities options are available, such as 32, 48, 60..... tool capacity.

Max. Tool Dimension

►► BT50

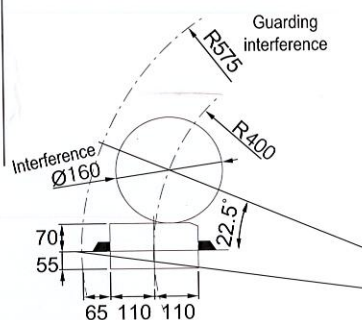
ATC+C series (16 tools)

VTL1000-2500



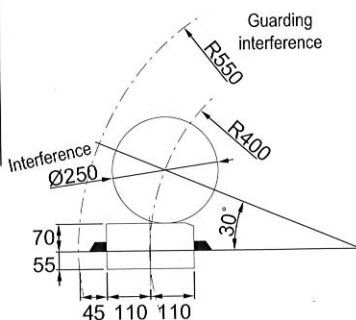
ATC+C series (16 tools)

VTL3000-4500



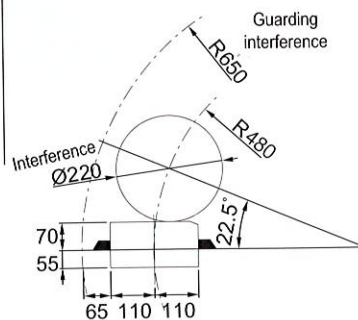
ATC series (12 tools)

VTL1000-2500



ATC series (16 tools)

VTL3000-4500



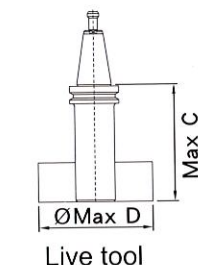
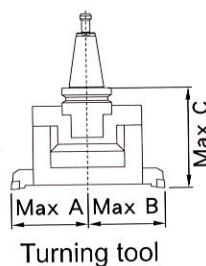
Model	Type	A	B	C	D
VTL1000-2500	ATC series	175	200	380	—
	ATC+C series	175	200	380	250

Unit: mm

Model	Type	A	B	C	D
VTL3000-4500	ATC series	175	200	400	—
	ATC+C series	175	200	400	250

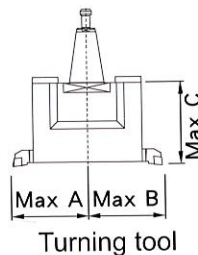
Unit: mm

ATC+C series



Live tool

ATC series



Turning tool

Optional Accessory

Tool presetter



Tool magazine of electrical grinding spindle

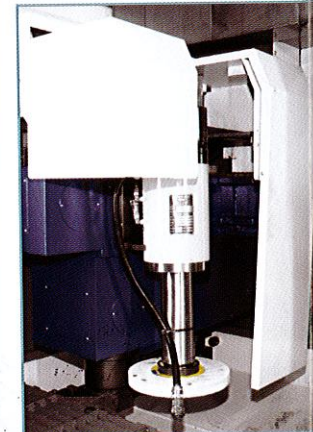
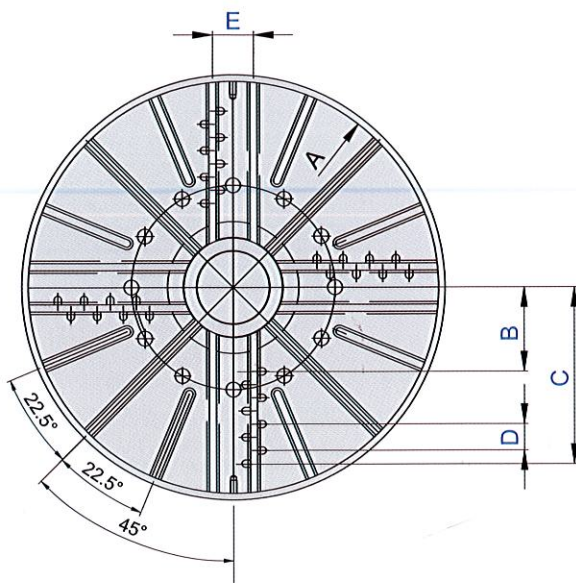
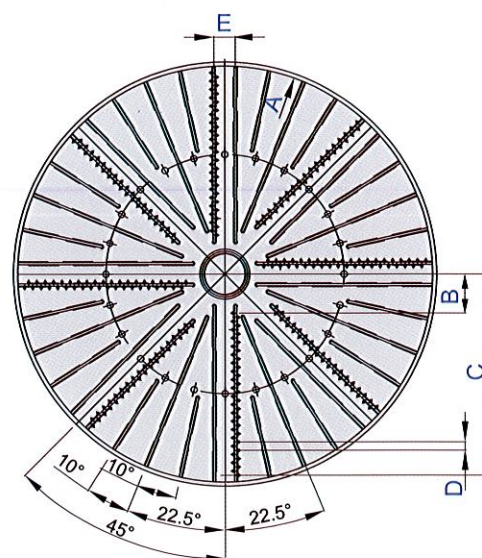


Diagram of Working Table



Model	A	B	C	D	E
VTL1000 Series	Ø1000	240	440	80	125
VTL1200 Series	Ø1250	255	535	80	125
VTL1600 Series	Ø1600	255	775	80	125
VTL2000 Series	Ø2000	255	895	80	125

Unit: mm

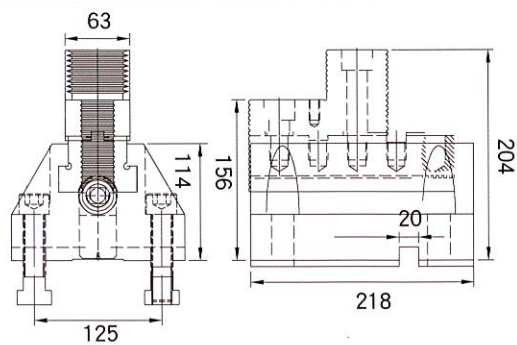


Model	A	B	C	D	E
VTL2500 Series	Ø2500	255	1175	80	125
VTL3000 Series	Ø3000	375	1463	80	205
VTL3500 Series	Ø3500	375	1703	80	205
VTL4000 Series	Ø4000	375	1935	80	205
VTL4500 Series	Ø4500	375	2175	80	205

Unit: mm

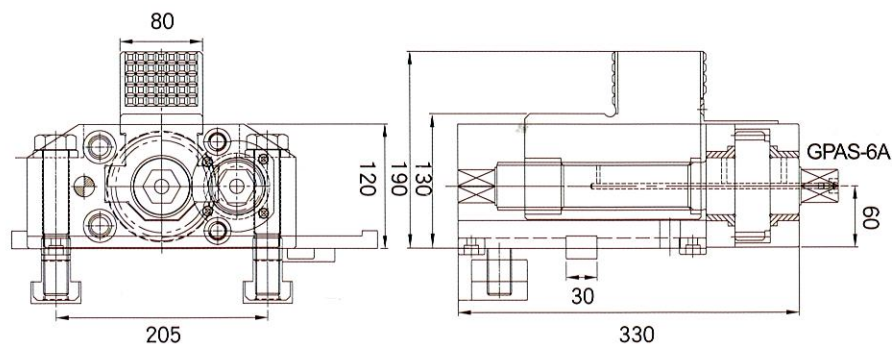
Dimension of Chuck Jaws

4 T



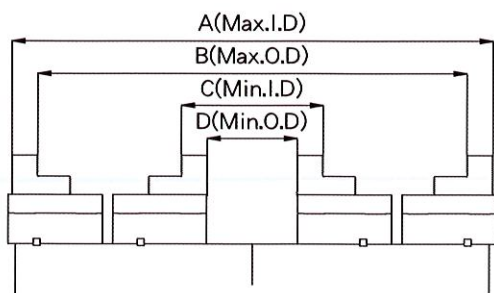
VTL1000/1200/1600/2000/2500 Series

8 T



VTL3000/3500/4000/4500 Series

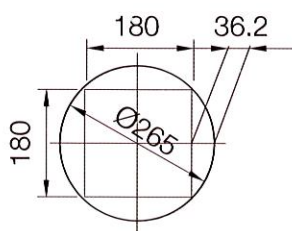
Inside & outside clamping for chuck jaws



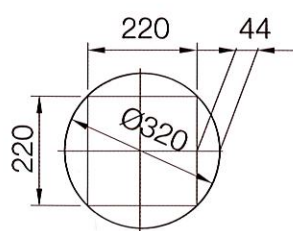
Model	A	B	C	D
VTL1000 Series	1000	870	370	250
VTL1200 Series	1180	1060	400	280
VTL1600 Series	1580	1460	400	280
VTL2000 Series	1900	1780	400	280
VTL2500 Series	2460	2340	480	360
VTL3000 Series	2756	2585	1025	845
VTL3500 Series	3425	3065	1025	845
VTL4000 Series	3710	3530	1090	910
VTL4500 Series	4190	4010	1090	910

Unit: mm

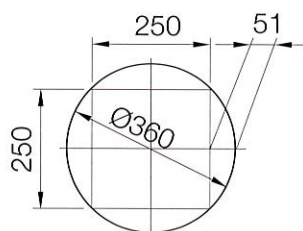
RAM Interference



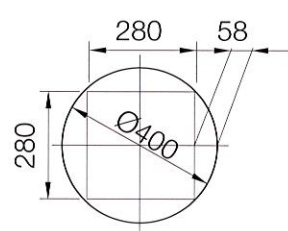
VTL1000 Series



VTL1200/1600
(Standard and Version I)
VTL2000(Standard)



VTL1200/1600 (Version II)
VTL2000 (Version I and version II)
VTL2500/3000/4000/4500 Series



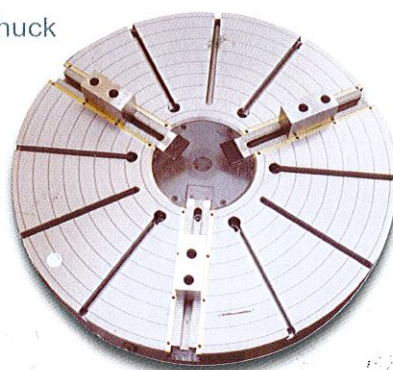
Option

Optional Accessories

►► Magnetic chuck

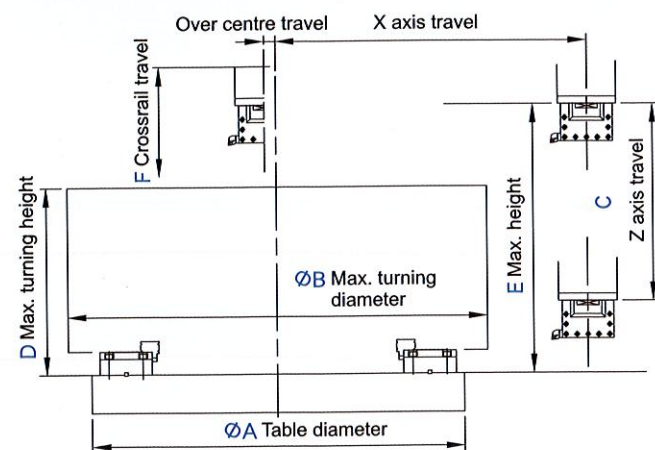


►► Hydraulic chuck



Machining Range

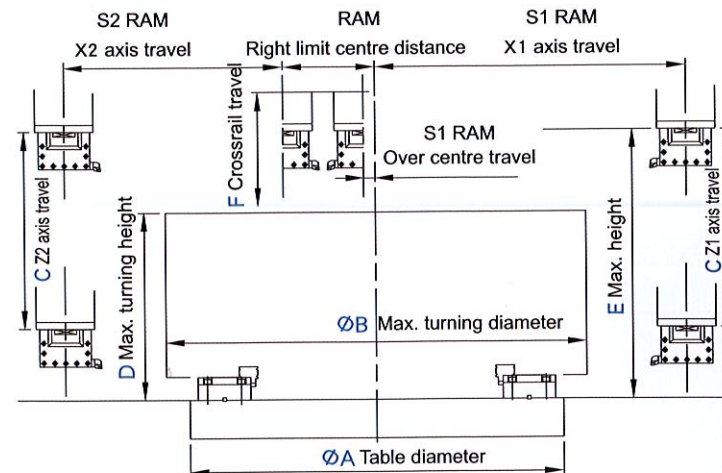
1 R type



Model	A	B	C	D	E	F	Remark
VTL1000ATC(+C)	1000	1100	800	1000	1215	410	
VTL1200ATC(+C)			900	1200	1510	800	
VTL1200ATC-I	1250	1350	900	1600	1910	1200	
VTL1200ATC-II			1200	1800	2110	1400	
VTL1600ATC(+C)			900	1200	1530	800	(2R)
VTL1600ATC-I	1600	1800	900	1600	1930	1200	(2R)
VTL1600ATC-II			1200	1800	2130	1400	(2R)
VTL2000ATC(+C)			950	1600	2050	1150	(2R)
VTL2000ATC-I	2000	2300	1200	2000	2450	1550	(2R)
VTL2000ATC-II			1400	2000	2450	1550	(2R)
VTL2500ATC(+C)			1200	1600	2050	1150	(2R)
VTL2500ATC-I	2500	2800	1200	2000	2450	1550	(2R)
VTL2500ATC-II			1400	2000	2450	1550	(2R)

Unit: mm

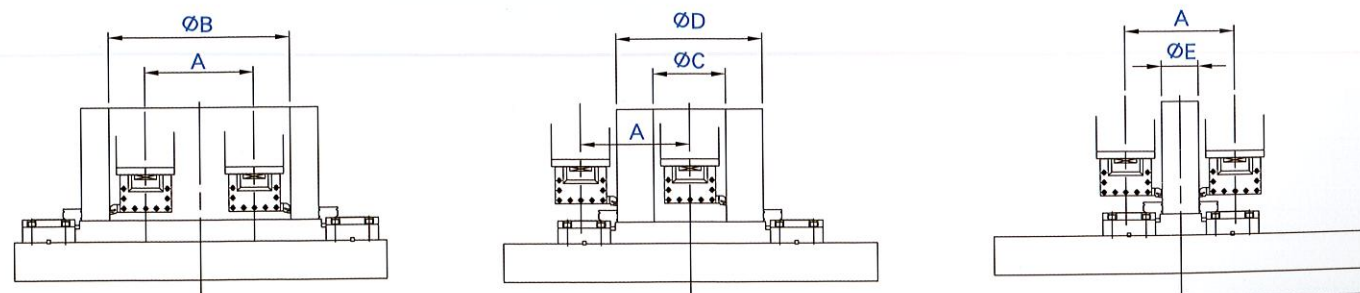
2 R type



Model	A	B	C	D	E	F	Remark
VTL3000ATC(+C)				1600	1929	1200	(2R)
VTL3000ATC-I	3000	3300	1500	2200	2529	1400	(2R)
VTL3000ATC-II				2800	3144	2000	(2R)
VTL3500ATC(+C)				1600	1929	1200	(2R)
VTL3500ATC-I	3500	3800	1500	2200	2529	1400	(2R)
VTL3500ATC-II				2800	3144	2000	(2R)
VTL4000ATC(+C)				1500	1804	1200	(2R)
VTL4000ATC-I	4000	4300	1500	2100	2404	1400	(2R)
VTL4000ATC-II				2700	3019	2000	(2R)
VTL4500ATC(+C)				1500	1804	1200	(2R)
VTL4500ATC-I	4500	4800	1500	2100	2404	1400	(2R)
VTL4500ATC-II				2700	3019	2000	(2R)

Unit: mm

2 R type

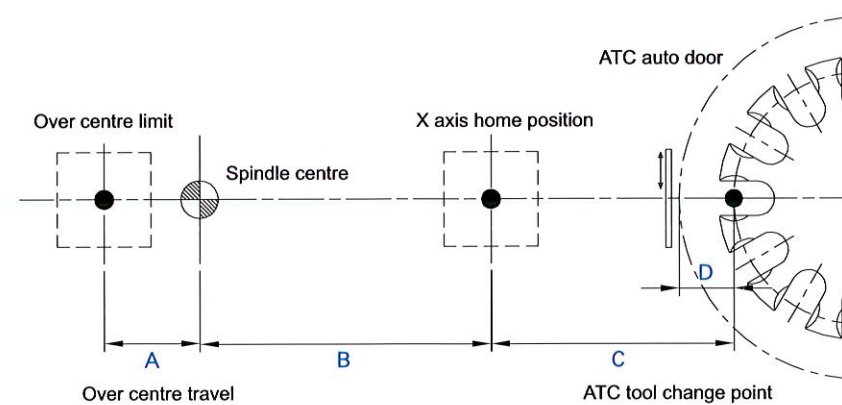


Model	A	B	C	D	E
VTL1600-2R Series	800	1200	340	1400	560
VTL2000-2R Series	920	1240	340	1500	600
VTL2500-2R Series	950	1270	340	1560	630
VTL3000-2R Series	1400	1700	400	2500	1100
VTL3500-2R Series	1400	1700	400	2500	1100
VTL4000-2R Series	1400	1700	400	2500	1100
VTL4500-2R Series	1400	1700	400	2500	1100

Unit: mm

X axis Travel Diagram

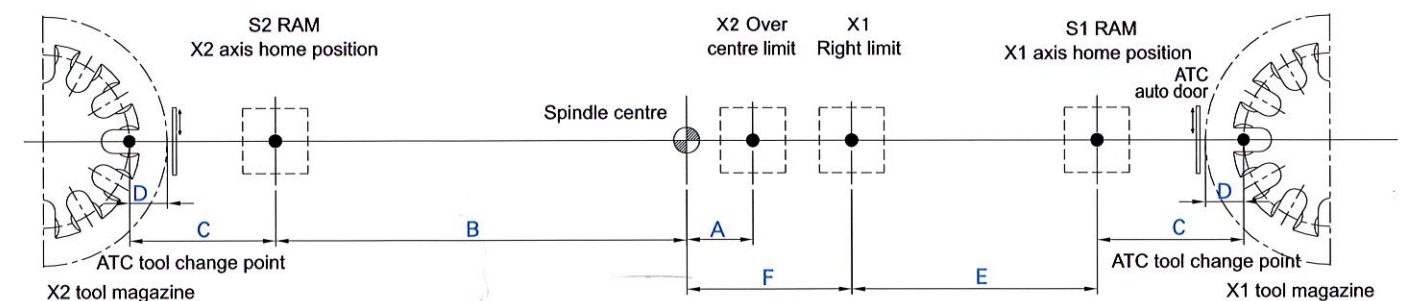
1 R type



Model	A	B	C	D
VTL1000 Series	400	720	400	175
VTL1200 Series	600	875	400	175
VTL1600 Series	800	1015	510	175
VTL2000 Series	1000	1350	400	175
VTL2500 Series	900	1600	400	175
VTL3000 Series	1500	1825	600	175
VTL3500 Series	2000	2350	600	175
VTL4000 Series	2000	2350	600	175
VTL4500 Series	2250	2650	600	175

Unit: mm

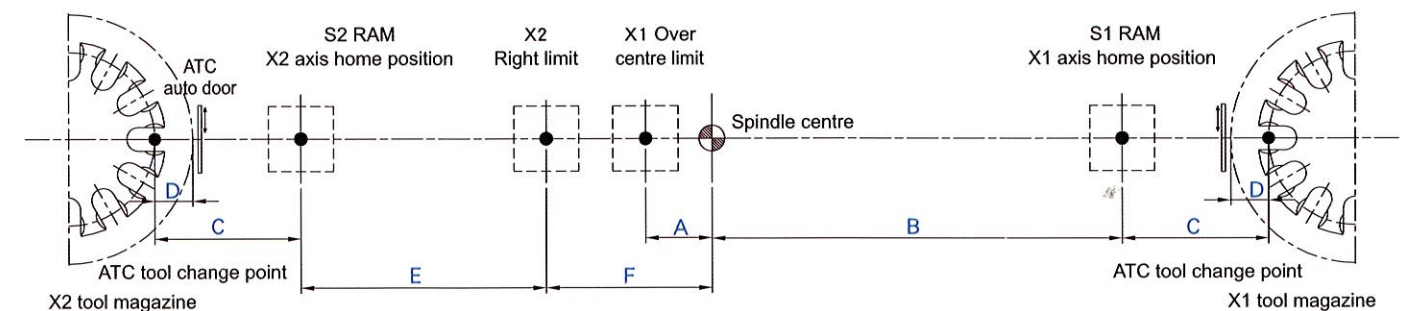
VTL 1600-2R type



Model	A	B	C	D	E	F
VTL1600-2R Series	50	1015	400	175	1225	377

Unit: mm

2 R type

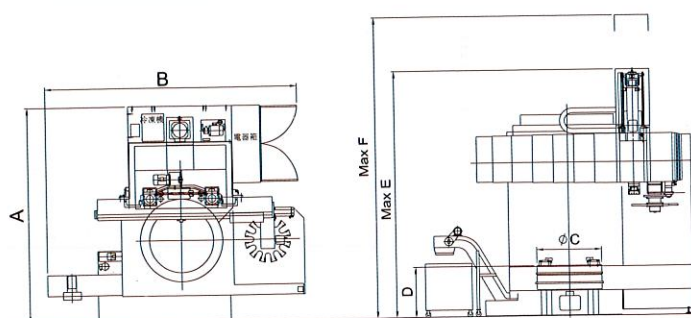


Model	A	B	C	D	E	F
VTL2000-2R Series	50	1350	400	175	887	463
VTL2500-2R Series	50	1600	400	175	1137	463
VTL3000-2R Series	50	1650	600	175	950	700
VTL3500-2R Series	50	2350	600	175	1650	700
VTL4000-2R Series	50	2350	600	175	1650	700
VTL4500-2R Series	50	2650	600	175	1950	700

Unit: mm

Machining Layout Dimension

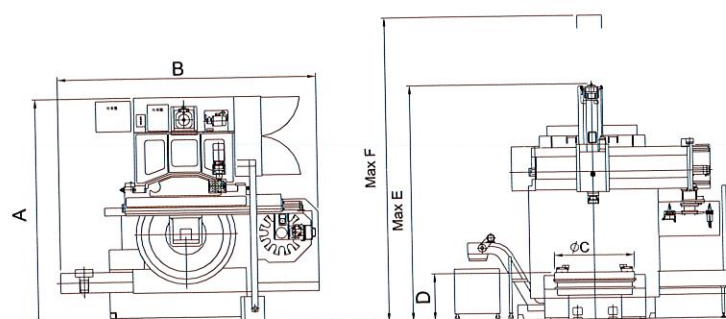
VTL1000 /1200 Series



Model	A	B	C	D	E	F
VTL1000ATC	3850	4620	1000	980	4350	4850
VTL1000ATC+C	3850	4620	1000	980	4450	4950
VTL1200ATC	4260	5580	1250	970	4600	5400
VTL1200ATC+C	4260	5580	1250	970	4600	5400
VTL1200ATC-I	4260	5580	1250	970	4750	5800
VTL1200ATC-II	4260	5580	1250	970	5200	6600

Unit: mm

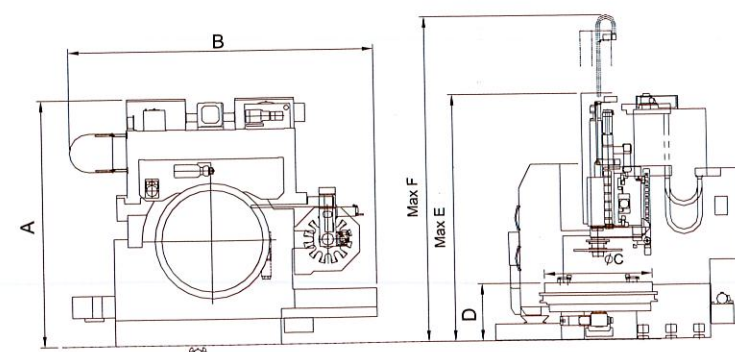
VTL1600 Series



Model	A	B	C	D	E	F
VTL1600ATC	4510	5850	1600	970	4600	5400
VTL1600ATC+C	4510	5850	1600	970	4600	5400
VTL1600ATC-I	4510	5850	1600	970	4570	5800
VTL1600ATC-II	4510	5850	1600	970	5200	6500

Unit: mm

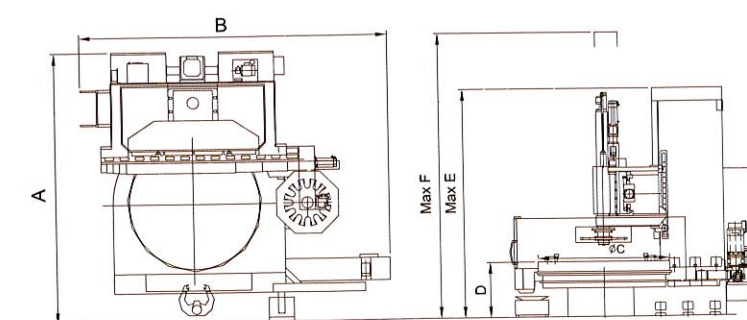
VTL2000 Series



Model	A	B	C	D	E	F
VTL2000ATC	4650	6850	2000	1080	5120	6270
VTL2000ATC+C	4650	6850	2000	1080	5140	6290
VTL2000ATC-I	4650	6850	2000	1080	5520	7070
VTL2000ATC-II	4650	6850	2000	1080	6120	7670

Unit: mm

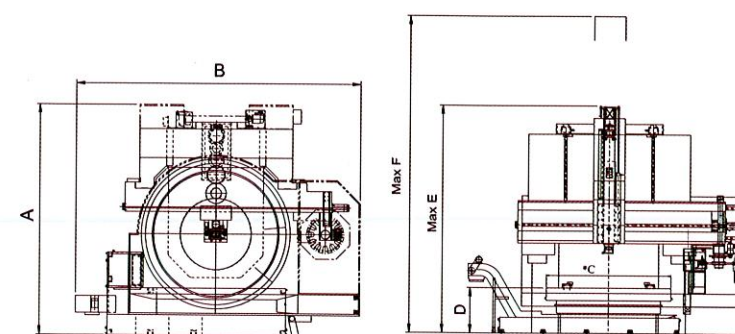
VTL2500 Series



Model	A	B	C	D	E	F
VTL2500ATC	5130	7550	2500	1080	5500	6650
VTL2500ATC+C	5130	7550	2500	1080	5500	6650
VTL2500ATC-I	5130	7550	2500	1080	5500	7050
VTL2500ATC-II	5130	7550	2500	1080	6150	7700

Unit: mm

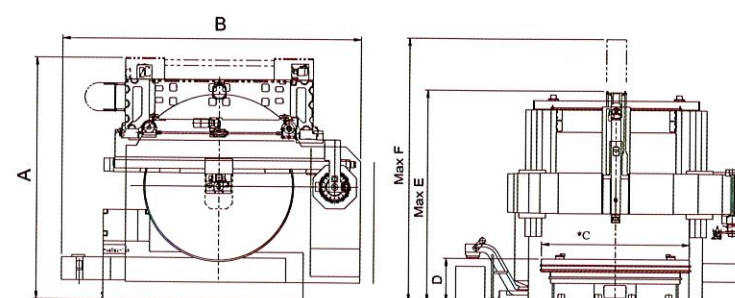
VTL3000 /3500 Series



Model	A	B	C	D	E	F
VTL3000ATC	7000	11000	3000	1210	6200	7400
VTL3000ATC+C	7000	11000	3000	1210	6200	7400
VTL3000ATC-I	7000	11000	3000	1210	6600	8000
VTL3000ATC-II	7000	11000	3000	1210	6600	8600
VTL3500ATC	8500	12500	3500	1210	6200	7400
VTL3500ATC+C	8500	12500	3500	1210	6200	7400
VTL3500ATC-I	8500	12500	3500	1210	6600	8000
VTL3500ATC-II	8500	12500	3500	1210	6600	8600

Unit: mm

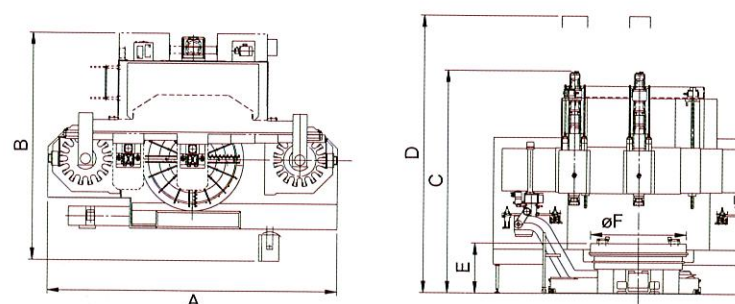
VTL4000 Series



Model	A	B	C	D	E	F
VTL4000ATC	8500	12500	4000	1330	6200	7400
VTL4000ATC+C	8500	12500	4000	1330	6200	7400
VTL4000ATC-I	8500	12500	4000	1330	6600	8000
VTL4000ATC-II	8500	12500	4000	1330	6600	8600
VTL4500ATC	10500	13000	4500	1385	6600	7800
VTL4500ATC+C	10500	13000	4500	1385	6600	7800
VTL4500ATC-I	10500	13000	4500	1385	6800	8200
VTL4500ATC-II	10500	13000	4500	1385	6800	8600

Unit: mm

VTL 2R Series



Model	A	B	C	D	E	F
VTL1600ATC-2R	5850	5000	4600	5400	970	1600
VTL2000ATC-2R	6090	4660	5300	6450	1080	2000
VTL2500ATC-2R	7110	5080	5400	6550	1080	2500
VTL3000ATC-2R	11000	7000	6200	7400	1140	3000
VTL3500ATC-2R	12500	8500	6200	7400	1140	3500
VTL4000ATC-2R	12500	8500	6200	7400	1140	4000
VTL4500ATC-2R	13000	10500	6400	7600	1295	4500

Unit: mm

Standard Accessories

- ▶ FANUC controller
- ▶ 4 jaws manual chuck
—VTL1000/1200/1600/2000 series
- ▶ 8 jaws manual chuck
—VTL2500/3000/3500/4000/4500 series
- ▶ 12 positions tool magazine
—VTL1000-2500ATC series
- ▶ 16 positions tool magazine
—VTL1000-2500ATC+C series
& VTL3000-4500 series
- ▶ Dual speed gearbox
- ▶ Pressure relief automatic lubrication system
- ▶ Chip conveyor and chip bucket
- ▶ Air conditioner for electrical cabinet
- ▶ Coolant unit
- ▶ Signal tower light (3 stage)
- ▶ Hydraulic unit
- ▶ Square guarding
- ▶ Working lamp
- ▶ Tool box with tools

Optional Accessories

- ▶ SIEMENS 840 D controller
- ▶ Tool magazine for 24, 32, 48, 60 tool position
- ▶ Coolant through spindle 12/20/60 bar
- ▶ Pendant/moveable type control
- ▶ 3 jaws/4 jaws/6 jaws hydraulic chuck
- ▶ Tool presetter
- ▶ Work piece probe
- ▶ X/Z axis linear scales
- ▶ Paper filter
- ▶ Oil mist collector
- ▶ Oil skimmer
- ▶ Coolant chiller
- ▶ Machine monitoring system
- ▶ Full enclosure guarding
- ▶ Magnetic chuck
- ▶ Grinding attachment
- ▶ Transformer
- ▶ Automatic pallet changer

Machine Specifications ▶ VTL1000-2500

		VTL1000ATC	VTL1000ATC+C	VTL1200ATC	VTL1200ATC-I	VTL1200ATC-II	VTL1200ATC+C	VTL1600ATC	VTL1600ATC-I	VTL1600ATC-II	VTL1600ATC+C	VTL2000ATC	VTL2000ATC-I	VTL2000ATC-II	VTL2000ATC+C	VTL2500ATC	VTL2500ATC-I	VTL2500ATC-II	VTL2500ATC+C		
Capacity																					
Table diameter	mm	Ø1000	Ø1000	Ø1250	Ø1250	Ø1250	Ø1250	Ø1600	Ø1600	Ø1600	Ø1600	Ø2000	Ø2000	Ø2000	Ø2000	Ø2500	Ø2500	Ø2500	Ø2500		
Max. swing diameter	mm	Ø1350	Ø1350	Ø1600	Ø1600	Ø1600	Ø1600	Ø2000	Ø2000	Ø2000	Ø2000	Ø2500	Ø2500	Ø2500	Ø2500	Ø3000	Ø3000	Ø3000	Ø3000		
Max. turning diameter	mm	Ø1100	Ø1100	Ø1350	Ø1350	Ø1350	Ø1350	Ø1800	Ø1800	Ø1800	Ø1800	Ø2300	Ø2300	Ø2300	Ø2300	Ø2800	Ø2800	Ø2800	Ø2800		
Max. turning height	mm	900	900	1200	1600	1800	1200	1200	1600	1200	1600	1800	1200	2000	2000	1600	1600	2000	2000		
Max. work-piece weight	kg	4000	4000	5000	5000	5000	5000	8000	8000	8000	8000	10000	10000	10000	10000	15000	15000	15000	15000		
Travel																					
X-axis travel	mm	-400,+720		-600,+875				-800,+1015		-800,+1015		-1000,+1350				-900,+1600					
Z-axis travel	mm	800	800	900	900	1200	900	900	900	900	900	1200	900	1400	950	1200	1200	1400	1200		
Vertical travel of crossrail	mm	500	500	800	1200	1400	800	800	1200	1400	800	1150	1550	1550	1150	1150	1550	1550	1150		
Spindle (FANUC motor)																					
Spindle speed	Low	min ⁻¹	1~160		1~150				1~70		1~70		1~50				1~40				
	High	min ⁻¹	160~600		150~350				70~250		70~250		50~200				40~160				
Live spindle speed	Low	min ⁻¹	1~1200		1~1200				1~1200		1~1200		1~1200				1~1200				
	High	min ⁻¹	1200~2400		1200~2400				1200~2400		1200~2400		1200~2400				1200~2400				
Max. table torque	N·m(kgf·m)	8496(866)		8170(830)				18760(1910)		18760(1910)		55550(5660)				68590(6990)					
Spindle (SIEMENS motor)																					
Spindle speed	Low	min ⁻¹	1~160		1~150				1~70		1~70		1~50				1~40				
	High	min ⁻¹	160~600		150~350				70~250		70~250		50~200				40~160				
Live spindle speed	Low	min ⁻¹	1~1200		1~1200				1~1200		1~1200		1~1200				1~1200				
	High	min ⁻¹	1200~2400		1200~2400				1200~2400		1200~2400		1200~2400				1200~2400				
Max. table torque	N·m(kgf·m)	9330(950)		9260(940)				21250(2160)		21250(2160)		57430(5860)				70910(7230)					
Feed rate																					
X-axis rapid traverse	m/min	12		12				12		12		10				10					
Z-axis rapid traverse	m/min	10		10				10		10		10				10					
Cutting feed rate	mm/min	1~2000		1~2000				1~2000		1~2000		1~2000				1~2000					
Manual feed rate	m/min	0~6		0~6				0~6		0~6		0~6				0~6					
Automatic Tool Changer																					
Number of tool position		12	16	12				12		12		12		16		12				16	
Type of tool shank		7/24 Taper BT-50		7/24 Taper BT-50				7/24 Taper BT-50		7/24 Taper BT-50		7/24 Taper BT-50				7/24 Taper BT-50				16	
Max. tool length of ATC	mm	380		380				380		380		380				380					
Max. tool weight	kg	50		50				50		50		50				50					
Max. loading weight of ATC	kg	600	800	600				800	600	800	600	800	600		800	600				800	
Time of tool change (tool to tool)	sec	40		40				40		40		50				50					
Controller (FANUC)																					
FANUC motor																					
Spindle motor	kW	37/45(α40i)		37/45(α40i)				37/45(α40i)		37/45(α40i)		60/75(α60HVi)				60/75(α60HVi)					
Live spindle motor	kW	7.5/11(α8i)		7.5/11(α8i)				7.5/11(α8i)		7.5/11(α8i)		11/15(α12HVi)				11/15(α12HVi)					
X-axis servo motor	kW	7(α30i)		6(α40i)				6(α40i)		6(α40i)		5.5(α40HVis)				5.5(α40HVis)					
Z-axis servo motor	kW	9(α40i + Fan)		9(α40i + Fan)				9(α40i + Fan)		9(α40i + Fan)		5.5(α40HVis)				5.5(α40HVis)					
CF-axis servo motor	kW	7(α30i)		7(α30i)				7(α30i)		7(α30i)		5.5(α40HVis)				5.5(α40HVis)					
Coolant pump	kW	3		3				3		3		3				3					
Power capacity	KVA	85	105	85				105	85	105	85	105	115		130	115				130	
Tank capacity																					
Hydraulic tank	L	60	130	130				130		130		130				130					
Coolant tank	L	750	750	550				550		550		900				1100					
Lubrication tank	L	4.6	4.6	4.6				4.6		4.6		4.6				4.6					
Machine dimension																					
Floor dimension	mm	4620x3850		5580x4260				5850x4510		5850x4510		5840x4580				6835x5080					
Machine height	mm	4850	4950	5400	5800	6600	5400	5400	5800	5400	5800	6030	6920	7030	6100	6370	6920	7520	6540		
Machine weight	kg	21000	22000	33000	34500	36500	33500	37000	38000	37000	38000	39500	37500	49000	49500	50000	49500	55500	60000	60500	57000

※Specification is subject to change without prior notice

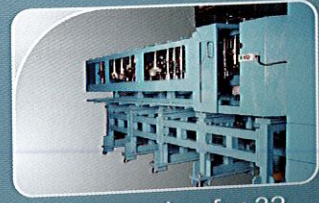
Optional



SIEMENS 840 D controller



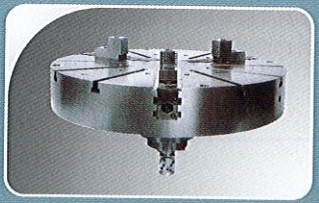
BT50 tool holder + Capto tool



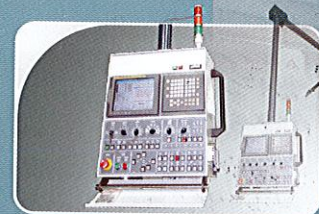
Tool magazine for 32, 48, 60 tool position



Coolant through spindle 12/20/60 bar



3 jaws/4 jaws/6 jaws hydraulic chuck



Pendant / moveable type control

Machine Specifications ▶ 2R Series

650.

		VTL1600ATC-2R	VTL1600ATC+C-2R	VTL2000ATC-2R	VTL2000ATC+C-2R	VTL2500ATC-2R	VTL2500ATC+C-2R
Capacity							
Table diameter	mm	Ø1600	Ø1600	Ø2000	Ø2000	Ø2500	Ø2500
Max. swing diameter	mm	Ø2000	Ø2000	Ø2500	Ø2500	Ø3000	Ø3000
Max. turning diameter	mm	Ø1800	Ø1800	Ø2300	Ø2300	Ø2800	Ø2800
Max. turning height	mm	1200	1200	1600	1600	1600	1600
Max. work-piece weight	kg	8000	8000	10000	10000	15000	15000

Travel

X-axis travel	mm	X2:250,-1015 / X1:377,1225		X2:-463,-887 / X1:-50,1350		X2:-463,-1137 / X1:-50,1600	
Z-axis travel	mm	900	900	950	950	1200	1200
Vertical travel of crossrail	mm	800	800	1150	1150	1150	1150

Spindle (FANUC motor)

Spindle speed	Low	min ⁻¹	1~60	1~45	1~35
	High	min ⁻¹	60~250	45~180	35~140
Live spindle speed	Low	min ⁻¹	1~1200	1~1200	1~1200
	High	min ⁻¹	1200~2400	1200~2400	1200~2400
Max. table torque	N·m(kgf·m)		40836(4167)	84422(8614)	105623(10778)

Spindle (SIEMENS motor)

Spindle speed	Low	min ⁻¹	1~60	1~45	1~35
	High	min ⁻¹	60~250	45~180	35~140
Live spindle speed	Low	min ⁻¹	1~1200	1~1200	1~1200
	High	min ⁻¹	1200~2400	1200~2400	1200~2400
Max. table torque	N·m(kgf·m)		35767(3650)	59066(6027)	83752(8546)

Feed rate

X-axis rapid traverse	m/min	12	10	10
Z-axis rapid traverse	m/min	10	10	10
Cutting feed rate	mm/min	1~2000	1~2000	1~2000
Manual feed rate	m/min	0~6	0~6	0~6

Automatic Tool Changer

Number of tool position		12x2	16+12	12x2	16+12	12x2	16+12
Type of tool shank		7/24 Taper BT-50		7/24 Taper BT-50		7/24 Taper BT-50	
Max. tool length of ATC	mm	380		380		380	
Max. tool weight	kg	50		50		50	
Max. loading weight of ATC	kg	600	800	600	800	600	800
Time of tool change (tool to tool)	sec	40		50		50	

Controller (FANUC)

FANUC motor					
Spindle motor	kW	60/75 (α 60HVι)		100(α 100HVι)	
Live spindle motor	kW	7.5/11(α8HVι)		11/15(α12HVι)	
X-axis servo motor	kW	5.5(α 40HVι)sx2		5.5(α 40HVι)sx2	
Z-axis servo motor	kW	5.5(α 40HVι)sx2		5.5(α 40HVι)sx2	
CF-axis servo motor	kW	5.5(α 30HVι)s		5.5(α 40HVι)s	
Coolant pump	kW	3		3	
Power capacity	KVA	125	150	125	150

Tank capacity

Hydraulic tank	L	130+60	130+60	130+60
Coolant tank	L	550	900	1100
Lubrication tank	L	4.6	4.6	4.6

Machine dimension

Floor dimension	mm	5850X5000		6090X4660		7110X5080	
Machine height	mm	5300	5300	6450	6450	6550	6550
Machine weight	kg	42000	42500	54000	55000	60500	61500

※Specification is subject to change without prior notice

VTL3000ATC-2R	VTL3000ATC+C-2R	VTL3500ATC-2R	VTL3500ATC+C-2R	VTL4000ATC-2R	VTL4000ATC+C-2R	VTL4500ATC-2R	VTL4500ATC+C-2R
Ø3000	Ø3000	Ø3500	Ø3500	Ø4000	Ø4000	Ø4500	Ø4500
Ø3500	Ø3500	Ø4100	Ø4100	Ø4600	Ø4600	Ø5100	Ø5100
Ø3400	Ø3400	Ø3800	Ø3800	Ø4300	Ø4300	Ø4800	Ø4800
1700	1700	1700	1700	1600	1600	1600	1600
20000	20000	20000	20000	30000	30000	35000	35000

[illegible]

1~40		1~40		1~14		1~14	
40~120		40~120		14~60		14~60	
1~1200		1~1200		1~1200		1~1200	
1200~2400		1200~2400		1200~2400		1200~2400	
97689(9968)		97689(9968)		372593(38019)		372593(38019)	

1~40	1~40	11~114	11~14
40~120	40~120	114~60	114~60
1~1200	1~1200	1~1200	1~1200
1200~2400	1200~2400	1200~2400	1200~2400
100659(10271)	100659(10271)	347579(35467)	347579(35467)

6	6	6	6
10	10	10	10
1~2000	1~2000	1~2000	1~2000
0~6	0~6	0~6	0~6

16x2	16x2	16x2	16x2
7/24 精度 BT-50	7/24 精度 BT-50	7/24 精度 BT-50	7/24 精度 BT-50
400	400	400	400
50	50	50	50
800	800	800	800
60	60	60	60
31i	31i	31i	31i

60/75(α 60HVi)x2		60/75(α 60HVi)x2		100(α 100HVi)x2		100(α 100HVi)x2	
11/15(α12HVi)		11/15(α12HVi)		15/18(α15HVi)		15/18(α15HVi)	
5.5(α 40HVis)x2		5.5(α 40HVis)x2		5.5(α 40HVis)x2		5.5(α 40HVis)x2	
5.5(α 40HVis)x2		5.5(α 40HVis)x2		5.5(α 40HVis)x2		5.5(α 40HVis)x2	
3		3		3		3	
135	170	150	195	165	215	165	215

130+60	130+60	130+60	130+60
2000	2500	2500	2800
4.6+8	4.6+8	4.6+8	4.6+8

11000X7000		12500X8500		12500X8500		13000X10500	
7400	7400	7400	7400	7400	7400	7800	7800
77000	82000	97000	102000	107000	112000	132000	137000

Optional



Coolant chiller



Machine monitoring system



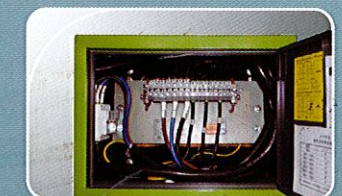
Full enclosure guarding



Magnetic chuck



Grinding attachment



Transformer