



- 1978 YOU JI was established at Bali Township, Taipei, mainly produced single function machines, special purpose machines and boring machines
- 1981 Due to plant expansion, the company moved to Kaohsiung County.
- 1991 Successfully researched and developed medium-sized CNC vertical turning lathe- YV series.
- 1992 Horizontal Turning Lathe with Hydraulic Turret design was submitted to the domestic market. You Ji has been the first company successfully to develop and build hydraulic system into CNC lathe in Taiwan. In the same year, the second factory was established and You Ji started to export its products into global market.
- 1993 Turnover was increased to NT\$50 millions.
- 1994 More than 20 exclusive local agents and all over the world had been established.
- 1995 Turnover was increased to NT\$90 millions.
- 1996 Qualification of CE norm.
- 1997 Qualification of EMC certificate and extended the plant to 10,000 square meter.
- 1998 Successfully researched and developed CNC vertical machining center-VMC series.
- 1999 Successfully researched and developed CNC vertical turning lathe-VTL series.
- 2000 CNC reverse turning lathe YR-320 series was development successfully.
- 2001 You Ji has been the first company successfully to develop and build the multi- function vertical turning lathe.
- 2002 Subsidiary was established at Kun Shan, China.
- 2003 VMC1100-2S Vertical machine center with 2 spindle to be presented to the public.
- 2004 Successfully researched and developed CNC horizontal machining center-HMC series, and qualified of ISO9001 in the same year.
- 2005 Extended the plant to 17,500 square meter.
- 2006 Vertical lathe with Auto pallet changer, special design for bearing manufacture- VTS series, double RAM vertical turning lathe to be presented to the public. Turnover was increased to NT\$2 billions.
- 2007 Successfully researched and developed CNC heavy duty flat bed turning lathe -YB series and VTL3000ATC, VTL4000ATC to be presented to the public . You Ji is in the leading position of big vertical lathe manufacture. The plant in Kun Shan, China was established.
- 2008 Successfully researched and developed huge turning lathe equips with hydrostatic bearing- VTH series and CNC gantry type machining center. Turnover was increased to NT\$4.5 billions.
- 2009 Successfully researched and developed horizontal floor type milling and boring machine as well as double column 5 faces machining center.

Over 30 years experience, You Ji obtained customers' support in Design and quality of machine. There are many of machines to meet customers' different need. Table diameter from Ø200 to Ø8000mm. You Ji is the first machine manufacturer passed C.E. and EMC and begin sales in Europe market. You Ji is the biggest vertical lathe manufacturer in Taiwan.

The cooperation between You Ji and other advanced machine manufacturers helps to upgrade the quality of You Ji products and expect to provide customers the best and the soonest service in business.





There is no secret for running a manufacturing business. The most important issue is to be aware of the latest industrial information, to collect and analyze information efficiently, and to transform them into the appropriate products at the right time for the right people. As well as to create as much value as possible for the customers, and simultaneously, the development of both parties is continued in the win-win situations.

This is You Ji's business philosophy since its establishment in 1977. In practice, the utilization of the high precision manufacturing facilities and the adoption of the strict assembly control with rigorous inspection in the factory always ensures the perfect completion of each machine.

Our goal is always to meet customers' applications by collaborating and exchanging information with the international manufacturers, and continuously developing and upgrading the techniques and design in production, in order to offer higher quality products and prompt after-sale services. Therefore, the customers are thoroughly satisfied and benefited from its 26 years great experience and the total commitment.

Based on management philosophy, as a stand-alone machine or as part of a flexible manufacturing system, the versatile design configuration of You Ji's products would be your best choice in any aspect of industrial application:

- Decreased gravitational and centrifugal forces maintain zero elliptical motion during cutting giving optimum roundness.
- Excellent surface contact between work-piece and chuck to ensure higher precision machining on all YV series machines.
- Easy to loading & unloading for irregular-shaped and heavy-duty work-pieces.
- Vertical turning lathe occupies less floor-space in setting up.
- Vertical turning lathe is based on ergonomics designed and simple to link with the automatic production line.

CNC vertical lathe

YV-200 SERIES



Specifications:

ITEMS	Unit	YV-200B	YV-200E	YV-200E+C
Machine capacity				
Max. swing diameter	mm	ø 400	ø 400	ø 400
Max. cutting diameter	mm	ø 250	ø 250	ø 250
Max. cutting height	mm	200	200	300
Spindle				
Spindle speed	rpm	50~3500	50~3500	50~3500
Spindle bearing diameter	mm	80	80	80
Drilling & tapping	mm	N/A	N/A	ø 12/M10(FC)
Spindle nose	mm	A2-6	A2-6	A2-6
Turret				
Turret type		Gang Tool	8 station	V.D.I 40
Number of tools	pcs	5	8	8
Tool shank size	mm	□25,ø 32	□25,ø 32	□25,ø 32
X-axis and Z-axis				
X-axis travel	mm	-135;+140	-50;+140	-50;+140
Z-axis travel	mm	400	400	400
X-axis rapid travel	m/min	12	12	12
Z-axis rapid travel	m/min	24	24	24
Motor				
Spindle motor	kw	α P18 9/11	α P18 9/11	α P18 9/11
X-axis servomotor	kw	1.6	1.6	1.6
Z-axis servo motor	kw	3	3	3
Hydraulic motor	kw	2.2	2.2	2.2
Codant motor	kw	0.5	0.5	0.5+1
Motor for drilling & tapping	kw	N/A	N/A	2.2/3.7
Measurement				
LxW	mm	2475x1280	2475x1280	2475x1280
Machine height	mm	2460	2460	2460
Net weight	kg	3000	3000	3000
Total power consumption	KVA	25	25	30

CNC vertical lathe

YV-250 SERIES



Specifications:

ITEMS	Units	YV250A	YV250B	YV250E	YV250E+C
Machine capacity					
Max. swing diameter	mm	ø 500	ø 500	ø 500	ø 500
Max. cutting diameter	mm	ø 350	ø 350	ø 350	ø 350
Max. cutting height	mm	250	250	250	250
Spindle					
Spindle speed	rpm	50~2500	50~2500	50~2500	50~2500
Spindle bearing diameter	mm	100	100	100	100
Drilling & tapping		N/A	N/A	N/A	ø 12/M10(FC)
Spindle nose		A2-8	A2-8	A2-8	A2-8
Turret					
Turret type		6 station	Gang tool	8 station	V.D.I 40
Number of tools	pcs	6	5	8	8
Tool shank size	mm	□32,ø40	□32,ø40	□25,ø32	□25,ø32
X-axis and Z-axis					
X-axis travel	mm	-50;+300	150;+160	-50;+200	-50;+200
Z-axis travel	mm	450	450	450	450
X-axis rapid travel	m/min	12	12	12	12
Z-axis rapid travel	m/min	24	24	24	24
Motor					
Spindle motor	kw	αP22 11/15	αP22 11/15	αP22 11/15	αP22 11/15
X-axis servo motor	kw	1.6	1.6	1.6	1.6
Z-axis servo motor	kw	3	3	3	3
Hydraulic motor	kw	2.2	2.2	2.2	2.2
Codant motor	kw	0.5+1	0.5+1	0.5+1	0.5+1
Motor for drilling & tapping	kw	N/A	N/A	N/A	2.2/3.7
Measurement					
LxW	mm	2920x1480	2920x1480	2920x1480	2920x1480
Machine height	mm	2460	2460	2460	2610
Net weight	kg	4500	4500	4500	4500
Total power consumption	KVA	30	30	30	35

CNC vertical lathe

YV-320 SERIES



Specifications:

ITEMS	Units	YV-320A	YV-320B	YV-320C	YV-320E	YV-320E+C
Machine capacity						
Max. swing diameter	mm	ø 600	ø 600	ø 600	ø 600	ø 600
Max. cutting diameter	mm	ø 450	ø 450	ø 450	ø 450	ø 450
Max. cutting height	mm	300	300	300	300	300
Spindle						
Spindle speed	rpm	50~2000	50~2000	50~2000	50~2000	50~2000
Spindle bearing diameter	mm	100	120	120	120	120
Drilling & tapping		N/A	N/A	ø 20/M16(FC)	N/A	ø 20/M16(FC)
Spindle nose		A2-8	A2-8	A2-8	A2-8	A2-8
Turret						
Turret type		6 station	Gang tool	8 station	8 station	V.D.I 40
Number of tools	pcs	6	5	10	8	8
Tool shank size	mm	□32,ø 40	□32,ø 40	□32,ø 40	□32,ø 40	□32,ø 40
X-axis and Z-axis						
X-axis travel	mm	-50;+350	-200;+200	-50;+350	-50;+250	-50;+250
Z-axis travel	mm	500	500	500	500	500
X-axis rapid travel	m/min	12	12	12	12	12
Z-axis rapid travel	m/min	24	24	24	24	24
Motor						
Spindle motor	kw	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22
X-axis servo motor	kw	1.6	1.6	1.6	1.6	1.6
Z-axis servo motor	kw	3	3	3	3	3
Hydraulic motor	kw	2.2	2.2	2.2	2.2	2.2
Codant motor	kw	0.5+1	0.5+1	0.5+1	0.5+1	0.5+1
Motor for drilling & tapping	kw	N/A	N/A	2.2/3.7	N/A	2.2/3.7
Measurement						
LxW	mm	2555x1600	2555x1600	2800x1600	2555x1770	2555x1770
Machine height	mm	2845	2845	2845	2845	2845
Net weight	kg	5500	5500	5500	5500	6000
Total power consumption	KVA	35	35	40	35	40

CNC vertical lathe

YV-500 SERIES



Specifications:

ITEMS	Unit	YV-500A	YV-500C	YV-500E	YV-500E+C	YV-500ATC	YV-500ATC+C
Machine capacity							
Max. swing diameter	mm	ø 750	ø 750	ø 750	ø 750	ø 750	ø 750
Max. cutting diameter	mm	ø 550	ø 550	ø 550	ø 550	ø 550	ø 550
Max. cutting height	mm	400	500	500	500	400	400
Spindle							
Spindle speed	rpm	50~2000	50~2000	50~2000	50~2000	50~2000	50~2000
Spindle bearing diameter	mm	160	160	160	160	160	160
Drilling & tapping		N/A	ø 20/ M16(FC)	N/A	ø 20/ M16(FC)	N/A	ø 25/ M20(FC)
Spindle nose		A2-11	A2-11	A2-11	A2-11	A2-11	A2-11
Turret							
Turret type		6 station	10 station	10 station	V.D.I 50	ATC	ATC
Number of tools	pcs	6	10	10	10	12	12
Tool shank size	mm	□32,ø 40	□32,ø 40	□32,ø 40	□32,ø 40	BT50	BT50
X-axis and Z-axis							
X-axis travel	mm	-50;+430	-50;+430	-50;+430	-50;+430	-100;+350	-100;+350
Z-axis travel	mm	600	600	600	600	650	650
X-axis rapid travel	m/min	12	12	12	12	12	12
Z-axis rapid travel	m/min	20	20	20	20	20	20
Motor							
Spindle motor	kw	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22
X-axis servo motor	kw	3	3	3	3	3	3
Z-axis servo motor	kw	4	4	4	4	4	4
Hydraulic motor	kw	2.2	2.2	2.2	2.2	2.2	2.2
Coolant motor	kw	0.5+1	0.5+1	0.5+1	0.5+1	0.5+1	0.5+1
Motor for drilling & tapping	kw	N/A	3.7/5.5	N/A	3.7/5.5	NA	3.7/5.5
Measurement							
LxW	mm	2950x1800	2950x1800	2950x1800	2950x1800	3380x2330	3380x2330
Machine height	mm	3385	3385	3330	3330	3385	3385
Net weight	kg	12000	12000	12000	12500	12500	13000
Total power consumption	KVA	45	50	45	55	50	55

• Specification subject to change to change without prior notice.

CNC vertical lathe

YV-600 SERIES



Specifications:

ITEMS	Unit	YV600A	YV600E	YV 600E+C	YV 600ATC	YV 600ATC+C
Machine capacity						
Max. swing diameter	mm	ø 850	ø 850	ø 850	ø 850	ø 850
Max. cutting diameter	mm	ø 750	ø 750	ø 750	ø 750	ø 750
Max. cutting height	mm	600	600	600	600	600
Spindle						
Spindle speed	rpm	20~1500	20~1500	20~1500	20~1500	20~1500
Spindle bearing diameter	mm	220	220	220	220	220
Drilling & tapping		N/A	N/A	ø 25/M20(FC)	N/A	ø 25/M20(FC)
Spindle nose		A2-11	A2-11	A2-11	A2-11	A2-11
Turret						
Turret type		6 station	10 station	V.D.I 50	ATC	ATC
Number of tools	pcs	6	10	10	12	12
Tool shank size	mm	□32,ø 40	□32,ø 40	□32,ø 40	BT50	BT50
X-axis and Z-axis						
X-axis travel	mm	-50;+570	-50;+485	-50;+485	-70;+415	-70;+415
Z-axis travel	mm	800	800	800	800	800
X-axis rapid travel	m/min	12	12	12	12	12
Z-axis rapid travel	m/min	20	20	20	20	20
Motor						
Spindle motor	kw	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22
X-axis servo motor	kw	4	4	4	4	4
Z-axis servo motor	kw	4	4	4	4	4
Hydraulic motor	kw	2.2	2.2	2.2	2.2	2.2
Codant motor	kw	0.5+1	0.5+1	0.5+1	0.5+1	0.5+1
Motor for drilling & tapping	kw	N/A	N/A	5.5/7.5	N/A	5.5/7.5
Measurement						
LxW	mm	3400X2450	3400X2450	3500X2450	3500X2450	3500X2450
Machine height	mm	3990	3990	3990	3990	3990
Net weight	kg	13500	13500	13500	14000	14500
Total power consumption	KVA	50	50	60	50	60

• Specification subject to change to change without prior notice.

CNC vertical lathe

YV-800 SERIES



Specifications:

ITEMS	Unit	YV800A	YV800E	YV800E+C	YV800ATC	YV800ATC+C
Machine capacity						
Max. swing diameter	mm	ø 1000	ø 1000	ø 1000	ø 1000	ø 1000
Max. cutting diameter	mm	ø 900	ø 900	ø 900	ø 900	ø 900
Max. cutting height	mm	700	700	700	700	700
Spindle						
Spindle speed	rpm	10~600	10~600	10~600	10~600	10~600
Spindle bearing diameter	mm	330	330	330	330	330
Drilling & tapping	mm	N/A	N/A	ø 25/M20(FC)	N/A	ø 25/M20(FC)
Spindle nose		A2-11	A2-11	A2-11	A2-11	A2-11
Turret						
Turret type		6 station	10 station	V.D.I 50	ATC	ATC
Number of tools	pcs	6	10	10	12	12
Tool shank size	mm	□32,ø 50	□32,ø 50	□32,ø 50	BT50	BT50
X-axis and Z-axis						
X-axis travel	mm	-50;+750	-50;+600	-50;+600	-50;+600	-50;+600
Z-axis travel	mm	850	850	850	850	850
X-axis rapid travel	m/min	12	12	12	12	12
Z-axis rapid travel	m/min	20	20	20	20	20
Motor						
Spindle motor	kw	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22	αP40 18.5/22
X-axis servo motor	kw	4	4	4	4	4
Z-axis servo motor	kw	4	4	4	4	4
Hydraulic motor	kw	2.2	2.2	2.2	2.2	2.2
Codant motor	kw	0.5+1	0.5+1	0.5+1	0.5+1	0.5+1
Motor for drilling & tapping	kw	N/A	N/A	7.5/11	N/A	7.5/11
Measurement						
LxW	mm	3450x2550	3450x2550	3450x2550	3450x2550	3450x2550
Machine height	mm	3670	3670	3670	3670	3670
Net weight	kg	14000	14000	14500	14500	15000
Total power consumption	KVA	50	50	60	50	60

CNC vertical lathe

YV-1000 SERIES



Specifications:

ITEMS	UNIT	YV1000A	YV1000ATC	YV1000ATC+C
CAPACITY				
Table diameter	mm	ø 1000	ø 1000	ø 1000
Max. swing	mm	ø 1350	ø 1350	ø 1350
Max. cutting diameter	mm	ø 1100	ø 1100	ø 1100
Max. cutting height	mm	700	700	700
Max. load Table	kg	4000	4000	4000
Travel				
Horizontal travel of rail head (X-axis)	mm	1120	1120	1120
Vertical travel of ram (Z-axis)	mm	800	800	800
Spindle				
Table speed	(Low)	rpm	2~160	2~160
	(High)	rpm	160~600	160~600
Led spindle speed	(Low)	rpm	--	1~1200
	(High)	rpm	--	1200~2400
Max. Table torque	N.m(kgf·m)	8,800(898)	8,800(898)	8,800(898)
Feeder rate				
Rapid traverse of rail head (X-axis)	M/min	12	12	12
Rapid traverse of ram (Z-axis)	M/min	10	10	10
Cutting feed rate	mm/min	1~2000	1~2000	01~2000
Manual feeder rate	m/min	0~10	0~10	0~10
Tooling				
Turret (ATC) type		--	12 tools	16 tools
Type of tool shark		--	7/24 taper BT-50	7/24 taper BT-50
Max. of tool size for automatic tool changing	mm	--	280Wx150Tx400L	
Max. tool weight	kg	50	50	50
Max. loading of ATC	kg	--	360	360
Tool change time(ATC)	Sec	5	40	40
Turret				
Turret (ATC) type		5 station	--	--
Square tool holder (Applicatetool size)	mm	□32x32(ø 63)	--	--
Motors				
Spindle drive motor	kw	30/37 (α30)	30/37 (α30)	30/37 (α30)
#2 Spindle drive motor	kw	--	--	7.5/11(α8)
X-axis servo motor	kw		7 (α30i)	
Z-axis servo motor	kw		9 (α40iβ)	
CF-axis servo motor	kw	--	--	7 (α30i)
Coolant motor	kw	0.18	0.18	0.18
Tank capacity				
Hydraulic tank	L	65	65	130
Coolant tank	L		750 (square)	
Lube. Tank(slide ways)	L		4.6	
Power sources AC220±10% 60Hz±5Hz				
Power capacity	KVA	80	80	100
Floor dimension	mm	3800x4400	3800x4400	3800x4400
Machine weight	kg	20,000	20,000	21,000
Positioning accuracy of linear axis	mm	P:±0.007/500, Ps:±0.005(X&Z), P:±7.5"/360° Ps:±5"(C-axis)		

CNC vertical lathe

YV-1200 SERIES



Specifications:

Item	Unit	YV-1200A	YV-1200ATC	YV-1200ATC+C
Capacity				
Table diameter	mm	∅ 1250	∅ 1250	∅ 1250
Max. swing	mm	∅ 1600	∅ 1600	∅ 1600
Max. cutting diameter	mm	∅ 1350	∅ 1350	∅ 1350
Max. cutting height	mm	1200	1200	1200
Max. load Table	kg	5000	5000	5000
Travel				
Horizontal travel of rail head (X-axis)	mm	1330	935	935
Vertical travel of ram (Z-axis)	mm	900	900	900
Vertical travel of crossrail	mm	700	700	700
Spindle				
Table speed	(Low)	rpm	2~108	2~108
	(High)	rpm	108~350	108~350
Led spindle speed	(Low)	rpm	--	--
	(High)	rpm	--	2~1200 1200~2400
Max. Table torque	N.m (kgf-m)	8,200(836)	8,200(836)	8,200(836)
Feeder rate				
Rapid traverse of rail head (X-axis)	M/min	12	12	12
Rapid traverse of ram (Z-axis)	M/min	10	10	10
Cutting feed rate	mm/min	1~2000	1~2000	1~2000
Manual feeder rate	m/min	0~10	0~10	0~10
Automatic Tool Changer (ATC)				
Turret (ATC) type		--	12 支刃位	16 支刃位
Type of tool shank		--	7/24 taper BT-50	7/24 taper BT-50
Max. of tool size for automatic tool changing	mm	--	280Wx150Tx400L	
Max. tool weight	kg	50	50	50
Max. loading of ATC	kg	--	360	360
Tool change time(ATC)	Sec	5	40	40
Turret				
Turret type		5 station	--	--
Size for square tool holder	mm	□32x32(∅ 63)	--	--
Motor				
Spindle drive motor	kw	37/45 (α40)	37/45 (α40)	37/45 (α40)
#2 Spindle drive motor	kw	--	--	7.5/11(α8)
X-axis servo motor	kw	--	7 (α30i)	--
Z-axis servo motor	kw	--	9 (α40iβ)	--
CF-axis servo motor	kw	--	--	7 (α30i)
Coolant motor	kw	0.18	0.18	0.18
Tank Capacity				
Hydraulic tank	L	--	130	--
Coolant tank	L	--	400	--
Lube. Tank(slide ways)	L	--	4.6	--
Power Sources				
AC400±10% 60Hz±5Hz				
Power capacity	KVA	80	80	100
Floor dimension	mm	4000x4600	4000x4600	4000x4600
Machine weight	kg	22,000	22,000	23,000
Positioning accuracy of linear axis	mm	--	P±0.007/ 500 Ps±0.005(X&Z) P:±7.5"/360° Ps:±5"(C-axis)	--

CNC vertical lathe

YV-1600 SERIES



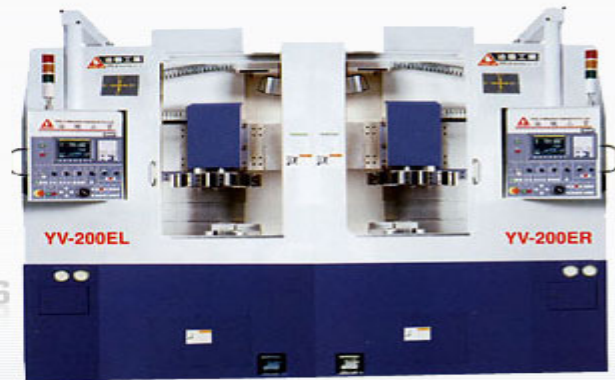
Specifications:

Item	Unit	YV-1600A	YV-1600ATC	YV-1600ATC+C
Capacity				
Table diameter	mm	ø 1600	ø 1600	ø 1600
Max. swing	mm	ø 2000	ø 2000	ø 2000
Max. cutting diameter	mm	ø 1800	ø 1800	ø 1800
Max. cutting height	mm	1200	1200	1200
Max. load Table	kg	8000	8000	8000
Travel				
Horizontal travel of rail head (X-axis)	mm	1615	1225	1225
Vertical travel of ram (Z-axis)	mm	900	900	900
Vertical travel of crossrail	mm	700	700	700
Spindle				
Table speed	(Low)	rpm	2~62	2~62
	(High)	rpm	64~250	64~250
Led spindle speed	(Low)	rpm	--	--
	(High)	rpm	--	2~1200 1200~2400
Max. Table torque	N.m (kgf-m)	19,600(2000)	19,600(2000)	19,600(2000)
Feeder rate				
Rapid traverse of rail head (X-axis)	M/min	12	12	12
Rapid traverse of ram (Z-axis)	M/min	10	10	10
Cutting feed rate	mm/min	1~2000	1~2000	1~2000
Manual feeder rate	m/min	0~10	0~10	0~10
Automatic ToolChanger (ATC)				
Turret (ATC) type		--	12 支 刀 位	16 支 刀 位
Type of tool shank		--	7/24 taper BT-50	7/24 taper BT-50
Max. of tool size for automatic tool changing	mm	--	280Wx150Tx400L	
Max. tool weight	kg	50	50	50
Max. loading of ATC	kg	--	360	360
Tool change time(ATC)	Sec	5	40	40
Turret				
Turret type		5 station	--	--
Size for square tool holder	mm	□32x32(ø 63)	--	--
Motor				
Spindle drive motor	kw	37/45 (α40)	37/45 (α40)	37/45 (α40)
#2 Spindle drive motor	kw	--	--	7.5/11(α8)
X-axis servo motor	kw	--	7 (α30i)	--
Z-axis servo motor	kw	--	9 (α40iβ)	--
CF-axis servo motor	kw	--	--	7 (α30i)
Coolant motor	kw	0.18	0.18	0.18
Tank Capacity				
Hydraulic tank	L	--	130	--
Coolant tank	L	--	400	--
Lube. Tank(slide ways)	L	--	4.6	--
Power Sources				
Power capacity	KVA	AC400±10% 60Hz±5Hz		
Floor dimension	mm	80	80	100
Machine weight	kg	5550x5200	5550x5200	5550x5200
Positioning accuracy of linear axis	mm	24,000	24,000	25,000
			P±0.007/ 500 Ps±0.005(X&Z) P:±7.5"/360° Ps:±5"(C-axis)	

CNC vertical lathe

YV-200

TWIN SERIES



Two operations simultaneous machining to improve quality and reduce labor costs.

CNC vertical lathe

YV-250

TWIN SERIES



Specifications:

ITEMS	Unit	YV-250AR/AL	YV-250ER/EL
Machine capacity			
Max. swing diameter	mm	ø 500	ø 500
Max. cutting diameter	mm	ø 350	ø 350
Max. cutting height	mm	250	250
Spindle			
Spindle speed	rpm	50~2500	50~2500
Spindle bearing diameter	mm	ø 100	ø 100
Spindle nose	mm	A2-8	A2-8
Turret			
Turret type		立式	臥式
Number of tools	pcs	6	8
Tool shank size	mm	□32,ø 40	□32,ø 40
X-axis and Z-axis			
X-axis travel	mm	-50;+300	-50;+200
Z-axis travel	mm	450	450
X-axis rapid travel	m/min	12	12
Z-axis rapid travel	m/min	24	24
Motor			
Spindle motor	kw	α P22 11/15	α P22 11/15
X-axis servomotor	kw	1.0	1.0
Z-axis servo motor	kw	2.1	2.1
Hydraulic motor	kw	2.2	2.2
Codant motor	kw	0.5+1	0.5+1
Measurement			
LxW	mm	2920x2960	2920x2960
Machine height	mm	2443	2443
Net weight	kg	4500x2	4500x2
Total power consumption	KVA	30x2	30x2

CNC vertical lathe

YV-320

TWIN SERIES



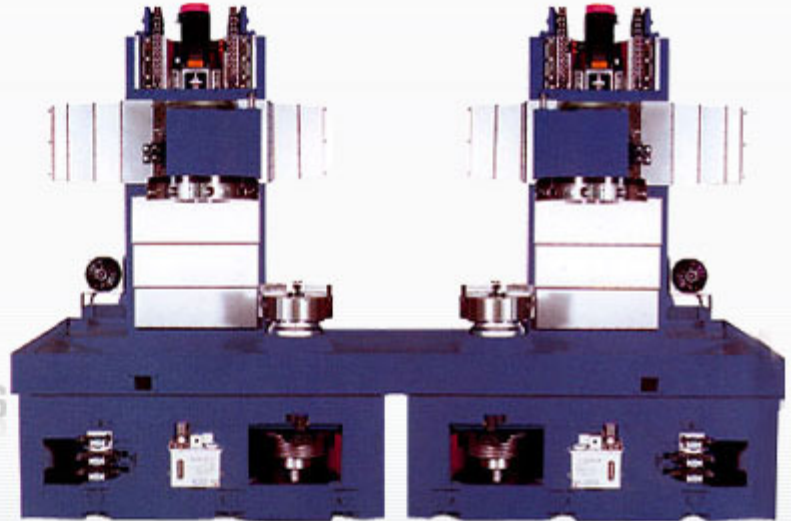
Specifications:

ITEMS	Unit	YV-320AR/AL	YV-320ER/EL
Machine capacity			
Max. swing diameter	mm	ø 600	ø 600
Max. cutting diameter	mm	ø 450	ø 450
Max. cutting height	mm	300	400
Spindle			
Spindle speed	rpm	2500	2500
Spindle bearing diameter	mm	ø 120	ø 120
Spindle nose	mm	A2-8	A2-8
Turret			
Turret type		立式	臥式
Number of tools	pcs	6	8
Tool shank size	mm	□32, ø 40	□32, ø 40
X-axis and Z-axis			
X-axis travel	mm	-50;+350	-50;+250
Z-axis travel	mm	500	500
X-axis rapid travel	m/min	12	12
Z-axis rapid travel	m/min	24	24
Motor			
Spindle motor	kw	α P22 18.5/15	α P22 18.5/15
X-axis servomotor	kw	1.0	1.0
Z-axis servo motor	kw	2.1	2.1
Hydraulic motor	kw	2.2	2.2
Coolant motor	kw	0.5+1	0.5+1
Measurement			
LxW	mm	2560x3200	2560x3540
Machine height	mm	2845	2845
Net weight	kg	5500x2	5500x2
Total power consumption	KVA	35x2	35x2

CNC vertical lathe

YV-500

TWIN SERIES



Specifications:

ITEMS	Unit	YV-500AR/AL	YV-500ER/EL
Machine capacity			
Max. swing diameter	mm	ø 750	ø 750
Max. cutting diameter	mm	ø 550	ø 550
Max. cutting height	mm	400	500
Spindle			
Spindle speed	rpm	20~2000	20~2500
Spindle bearing diameter	mm	ø 160	ø 160
Spindle nose	mm	A2-11	A2-11
Turret			
Turret type		立式	臥式
Number of tools	pcs	8	10
Tool shank size	mm	□32,ø 40	□32,ø 40
X-axis and Z-axis			
X-axis travel	mm	-50;+430	-50;+430
Z-axis travel	mm	600	600
X-axis rapid travel	m/min	20	20
Z-axis rapid travel	m/min	20	20
Motor			
Spindle motor	kw	α P40 18.5/22	α P40 18.5/22
X-axis servo motor	kw	2.1	2.1
Z-axis servo motor	kw	3.7	3.7
Hydraulic motor	kw	2.2	2.2
Coolant motor	kw	0.5+1	0.5+1
Measurement			
LxW	mm	2950x3800	2950x3600
Machine height	mm	3385	3385
Net weight	kg	6000x2	6000x2
Total power consumption	KVA	45x2	45x2

CNC vertical lathe

YV-600

TWIN SERIES



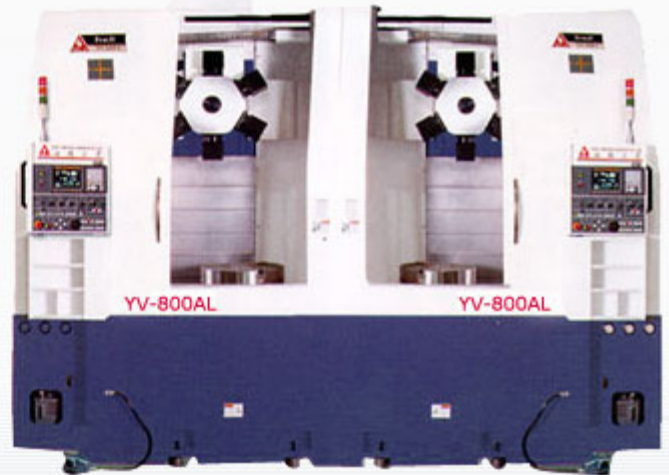
Specifications:

ITEMS	Unit	YV-600AR/AL	YV-600ER/EL
Machine capacity			
Max. swing diameter	mm	ø 850	ø 850
Max. cutting diameter	mm	ø 750	ø 750
Max. cutting height	mm	500	600
Spindle			
Spindle speed	rpm	20~1500	20~1500
Spindle bearing diameter	mm	ø 220	ø 220
Spindle nose	mm	A2-11	A2-11
Turret			
Turret type		立式	臥式
Number of tools	pcs	6	10
Tool shank size	mm	□32,ø 40	□32,ø 40
X-axis and Z-axis			
X-axis travel	mm	-50;+570	-50;+485
Z-axis travel	mm	800	800
X-axis rapid travel	m/min	20	20
Z-axis rapid travel	m/min	20	20
Motor			
Spindle motor	kw	α P40 18.5/22	α P40 18.5/22
X-axis servo motor	kw	3.7	3.7
Z-axis servo motor	kw	3.7	3.7
Hydraulic motor	kw	2.2	2.2
Coolant motor	kw	0.5+1	0.5+1
Measurement			
LxW	mm	3400x4900	3400x4900
Machine height	mm	3990	3990
Net weight	kg	6750x2	6750x2
Total power consumption	KVA	50x2	50x2

CNC vertical lathe

YV-800

TWIN SERIES



Specifications:

ITEMS	Unit	YV-800AR/AL	YV-800ER/EL
Machine capacity			
Max. swing diameter	mm	ø 1000	ø 1000
Max. cutting diameter	mm	ø 900	ø 900
Max. cutting height	mm	600	700
Spindle			
Spindle speed	rpm	10~600	10~600
Spindle bearing diameter	mm	ø 330	ø 330
Spindle nose	mm	A2-11	A2-11
Turret			
Turret type		立式	臥式
Number of tools	pcs	6	10
Tool shank size	mm	□32,ø 50	□32,ø 50
X-axis and Z-axis			
X-axis travel	mm	-50;+810	-100;+550
Z-axis travel	mm	850	850
X-axis rapid travel	m/min	20	20
Z-axis rapid travel	m/min	20	20
Motor			
Spindle motor	kw	α P40 18.5/22	α P40 18.5/22
X-axis servo motor	kw	3.7	3.7
Z-axis servo motor	kw	3.7	3.7
Hydraulic motor	kw	2.2	2.2
Coolant motor	kw	0.5+1	0.5+1
Measurement			
LxW	mm	3450x5100	3450x5100
Machine height	mm	3670	3670
Net weight	kg	7000x2	7000x2
Total power consumption	KVA	50x2	50x2

CNC vertical lathe

VTL-1000 SERIES



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OFFENDING COMMAND: ~

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