



You Ji Machine Industrial Company Limited

CNC

Aluminum Wheel Production Line

Leader of Vertical Turning Center

(13"~20" - 18"~26" Aluminum Wheel)

- WV-550E2T
- WV-600E2T
- WV-550E
- WV-600E
- WHM-600
- YM-40B



Series Aluminum Wheel Production Line

WV-600E2T WV-600E

- High efficiency: WV-600E2T with double turret (OP1.) provides the turning operation simultaneously.
- Best operation: Easy loading & unloading and excellent surface contact between work-piece and chuck.
- High rigidity: X-axis is designed for 250×250 mm square RAM and incorporating wide span of Z-axis slideways to ensure the heavy duty cutting performance.
- Best chip removal: The best chip removal is designed for 90 degree cover
- High quality: This machine is designed especially for high rigidity, high precision, best operation & best chip removal to ensure the best machining quality.



**WV-600E2T
(WV-550E2T)**



**WV-600E
(WV-550E)**

WV Series



High Efficiency • High Quality



WHM-600

- High efficiency: X \ Y-axis use roller type linear guide way, W-axis uses high rigid square RAM to incorporate 20HP spindle motor and ensure rapid traverse and best cutting performance.
- Best operation: This machine is designed for A axis and easy for loading & unloading of work-piece.
- High rigidity: The box section design it fitted to the column and covers all the axes (X \ Y \ W-axis) in the square measure of column. It also ensures more rigid than traditional type horizontal machining center.
- Best chip removal: The best chip removal is designed for 90 degree cover and chip can not be stuck on the telescopic way cover.
- High quality: This machine is designed especially for high rigidity, high precision, best operation & best chip removal to ensure the best machining quality.



WHM-600



YM-40

YM-40

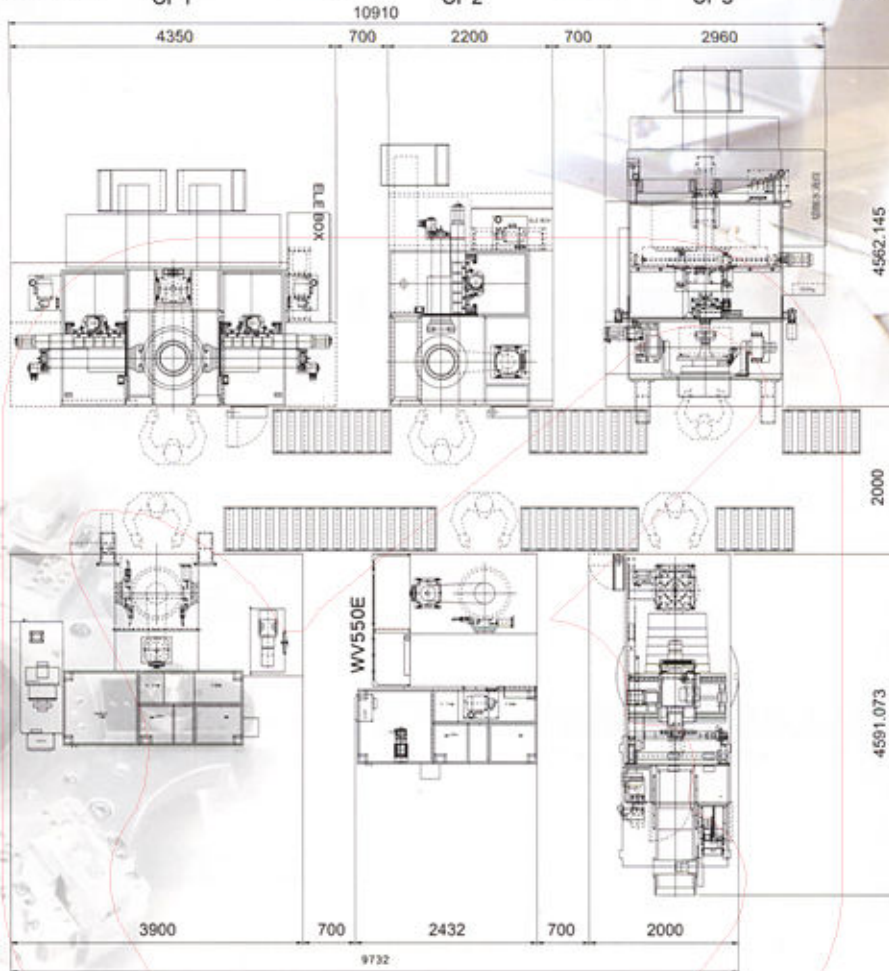
- The shortest distance on the front side is more suitable for production line.



Simple production line

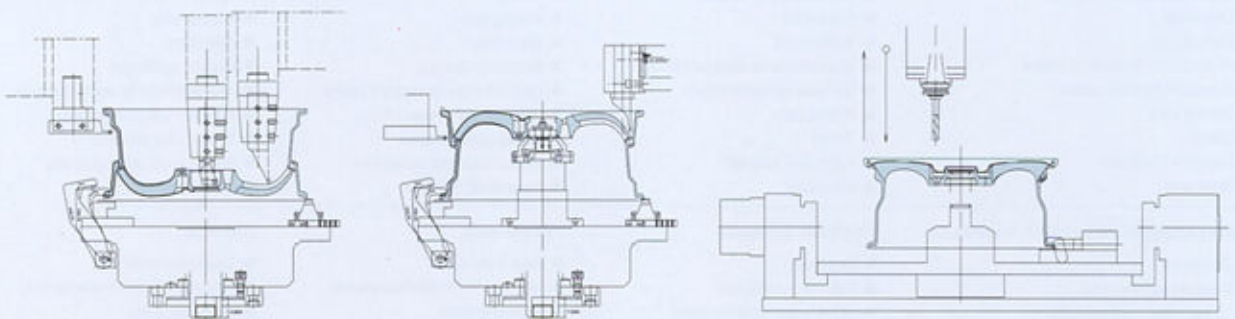
Excellent disposal for coolant

Raw part loading $\frac{WV600E2T}{OP1}$ \rightarrow $\frac{WV600E}{OP2}$ \rightarrow $\frac{WHM600}{OP3}$ Finished part unloading



Raw part loading $\frac{WV550E2T}{OP1}$ \rightarrow $\frac{WV550E}{OP2}$ \rightarrow $\frac{YM-40B}{OP3}$ Finished part unloading

Machining flowchart



MACHINE SPECIFICATION

Item	Unit	WV-550E2T	WV-600E2T	WV-550E	WV-600E	Item	Unit	YM-40B	WHM-600
Machine capacity						Table			
Max. swing diameter	mm	ø750	ø900	ø750	ø900	Table size	mm	500X500	13"~26"
Max. turning diameter	mm	ø650	ø700	ø650	ø700	Max. loading weight	mm	500	350
Max. turning height	mm	250	350	250	350	B axis indexing angle		1/1000	1/1000
Spindle						Spindle			
Spindle speed	rpm	2000	1500	2000	1500	Max. spindle speed	rpm	10000	8000
Spindle bearing diameter	mm	ø160	ø180	ø160	ø180	Spindle bearing diameter	mm	ø65	ø70
Spindle nose		A2-11	A2-11	A2-11	A2-11	Spindle nose taper		BT-40	BT-40
Turret						ATC			
Turret type		6 station	6 station	6 station	6 station	Number of tool position		24 tools	8 tools
Number of tool		6+6	6+6	6	6	Max. tool weight	kg	7	7
Tool shank size	mm	□32ø40	□32ø50	□32ø40	□32ø50	Max. tool diameter	mm	ø125	ø120
Travel						Travel			
X-axis travel	mm	420	450	420	450	X-axis travel	mm	600	800
Z-axis travel	mm	380	550	380	550	Z-axis travel	mm	500	700
X-axis rapid traverse	m/min	16	16	16	16	W-axis travel (Z-axis)	mm	(500)	500
Z-axis rapid traverse	m/min	16	16	16	16	X-axis rapid traverse	m/min	40	30
Motor						Motor			
Spindle motor	kw	37/45(α40)	60/75(α60)	18.5/22(αP40)	18.5/22(αP40)	Spindle motor	kw	7.5/11(α8T)	11/15(α22)
X-axis servo motor	kw	3.0+3.0	4.5+4.5	3.0	4.5	X-axis servo motor	kw	3(α12i)	4(α22i)
Z-axis servo motor	kw	4.0+4.0	5.5+5.5	4.0	5.5	Y-axis servo motor	kw	4(α22i)	7(α30i)
Hydraulic motor	kw	3.7	3.7	1.5	1.5	W-axis servo motor (Z-axis)	kw	4(α22i)	4(α22i)
Coolant motor	kw	0.35+0.75+0.75	0.35+0.75+0.75	0.2+0.75	0.2+0.75	B axis servo motor	kw	3(α12i)	3(α12i)
Measurement						Measurement			
L×W	mm	3900X2900	4350X3000	2430X3300	2200X3350	L×W	mm	4760X1890	4560X2960
Machine height	mm	3600	3600	3600	3600	Machine height	mm	2770	3345
Net weight	kg	16000	20000	11000	12500	Net weight	kg	6000	8000
Power capacity	KVA	100	100	50	50	Power capacity	KVA	45	45
Coolant tank	L	500	500	300	300	Coolant tank	L	400	400

※ Specification is subject to change without prior to notice.

Standard Accessories · Optional Accessories

Standard Accessories: (WV-550E2T, WV-600E2T)

- 6 station turret*2
- Auto door
- Chip conveyor and coolant tank
- Chip bucket
- Hydraulic unit
- Air conditioner for electrical cabinet
- Automatic lubrication system
- Working lamp
- Tool kit
- FANUC 18i-T controller
- Alarm lamp

(WV-550E, WV-600E)

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(WHM-600)

- Automatic lubrication system
- Anchor bolts and pads
- Tool kit
- Working lamp
- Alarm lamp
- Machine coolant gun
- Heat exchanger for electrical cabinet
- Automatic tool changer (ATC)
- Manual pulse generator
- Chip conveyor and coolant tank
- FANUC 0i-MC controller

(YM-40B)

- Automatic lubrication system
- Anchor bolts and pads
- Tool kit
- Working lamp
- Alarm lamp
- Machine coolant gun
- Heat exchanger for electrical cabinet
- Automatic tool changer (ATC)
- Manual pulse generator
- Chip conveyor and coolant tank
- FANUC 0i-MC controller

Optional accessories: (WV-550E2T, WV-600E2T)

- Oil skimmer
- Customer machine color
- I.D tool holder · O.D tool holder
- CE regulation
- Hydraulic chuck

(WV-550E, WV-600E)

- Oil skimmer
- Customer machine color
- I.D tool holder · O.D tool holder
- CE regulation
- Hydraulic chuck

(WHM-600)

- 3 axis linear scale
- Automatic tool length measurement
- Work-piece probe
- Parts counter
- Oil skimmer
- Customer machine color

(YM-40B)

- 3 axis linear scale
- Automatic tool length measurement
- Work-piece probe
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- Oil skimmer
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Product Range:

- . CNC Vertical Turning Lathe
- . CNC Horizontal Turning Lathe
- . CNC Vertical Machining Center
- . CNC Horizontal Machining Center
- . NC Special Purpose Machine
- . Automatic Production Line

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