

JHV series Linear guideways



JEENXI TECHNOLOGY CO., LTD.

Sunmill your best partner

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Linear Guideway Series



Belt type headstock with standard speed 8000rpm. Direct Drive spindle is optional accessories for less vibration and noise, available speed 10,000rpm / 12,000rpm / 15,000rpm.



Precision BallScrewPre-tensioned ballcrews
on X, Y, Z axes ensure
accuracy and eliminate
positioning error.

JHV-710 / JHV-800





operation.

JHV-550 APC

Innovation Technology

• The above procedures save

suspending time of waiting to

increase production efficiency.

quality abnormal happened

It also can prevent accident and

because workers operate hastily.

• Operation Panel is built-in type

and a fine view of observation

proceed the inspection and

widows, the operators can easily

Coolant Flush Device for APC Shield

Coolant flush will be activated automatically before APC exchange to clean chips and enable APC for orientation and clamping.



Auto Pallet Changers A, B Table driving by oil tank to rotate in CW /

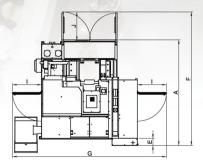
tank to rotate in CW CCW directions, complete the table exchange swiftly.

JHV-550



- Headstock with spindle air blast system, also machine install spindle oil cooling device as standard to eliminate heat caused by spindle high speed rotation, ensure spindle accuracy and life lasting.
- The machine structure is constructed from high quality Meehanite cast iron and stress released to ensure great rigidity and prolonged precision.
 - Compacted and simplified machine structure for space saving.

Machine Dimensions



	65.55	
		Ξ.
-	B 2336 2753	, ,

	JHV-710	JHV-800							
Α	2412	2532							
В	2150	2150							
С	2322	2322							
D	730	730							
E	160	160							
F	3007	3157							
G	3450	3450							
Н	2770	2780							
1	644	644							
J	633	633							

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Linear Guideway Series

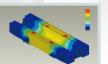
JHV-850 / JHV-1020

A Competitive Performer for Precision Parts, Mold and 3C Parts Machining!

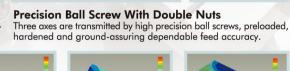




Linear Guide Way The machine employs 45 mm. wide balltype linear guide ways.



Finite Element Analysis



In today's competitive environment, the only way for competitive edge is to pursue efficiency and quality, JEENXI high speed JHV is just

designed and engineered with high efficiency and high accuracy in mind. The series of JHV

The structural parts on Jeenxi machine are analyzed and designed by the advanced Finite Element Analysis. It provides a detailed analysis for structural stress/strain conditions, and ensures excellent machine rigidity and lifetime stability.

JHV-1300 / JHV-1500 / JHV-1600





JHV-1300 / 1500 (Rear Chip Conveyor)



Competitive Advantage

In the conditions of not change working travel, JHV-1300 / JHV-1500 can be loaded by HQ container. The succinct design reduces machine space and substantially economizes the packing, transportation cost.

- Increased width on the column bottom with box-type structure provides maximum stability especially when performing high speed cutting.
- Linear ways on three axes assure high feed rates and extremely smooth motion.
- Extra wide span bottom linear ways greatly increases



JHV-1600 Frame Machine

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JHV-1800 / JHV-2000

JHV-1800 JHV-2000





- Linear guideways on X, Y axes, less friction, rapid traverse movement. Boxway on Z axis, strengthen cutting ability. Regular big type machine rapid are 12/12/10M/min. JHV1800 / 2000 rapid set on 24/24/15M/min.
- Pre-consideration of environmental concept, machine body design can separate oil and water, decrease the injury of nature and easily clean up. Oil Mist Collector or Dust Vacuum Cleaner is available as options
- The column bottom with U-shaped design, extended span guarantee heavy load and superior stability.
- The product is analyzed and designed by the advanced Finite Element Analysis; box-cage-type structures to ensure the high quality.



Direct Drive Spindle #50, 10000 //12000 rpm (Optional)

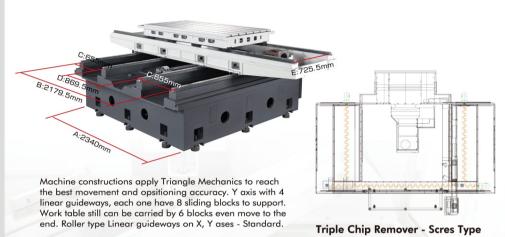






ZF Gear Box Two-Speed gear box (Optional)



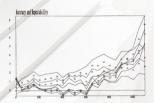


Strict Quality Control

Geometric Accuracy Inspection, Spindle Balancing Adjustment, Ball Bar Test, Laser Inspection, Cutting Test.

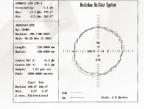
LASER INSPECTION

An advanced laser instrument is employed for inspecting and compensating linear accuracy and pitch error. This assures optimum axis travel accuracy.



BALL BAR TEST

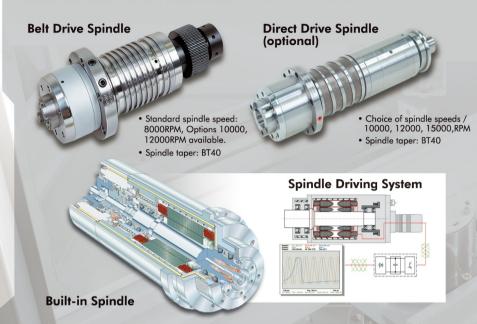
Through ball bar testing the circularity, geometry error and backlash can be acurately obtained allowing the machine to be adjusted to the best possible accuracy.



單位/Unit: μ m

STANDARD & OPTIONAL ACCESSORIES

Linear Guideway Series





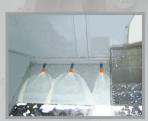
CAROUSEL TYPE ATC Capacity: 16-tools, 20-tools



SPINDLE SPLASH RING (Optional)



ARM TYPE ATC (Optional) Capacity: 24-tools, 30-tools



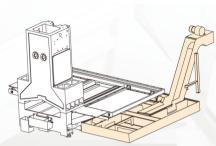
COOLANT FLUSHING DEVICE (Optional)



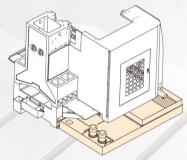
CAM TYPE ATC (Optional) Capacity: 40-tools (#40), 32-tools (#50)



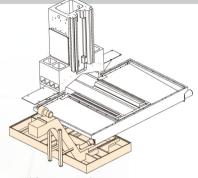
COOLANT THROUGH SPINDLE (Optional)



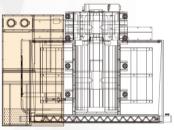
Front Mounted Chain type Chip Conveyor



Standard Coolant Tank

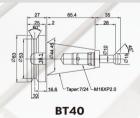


Side Mounted Chain type Chip Conveyor



Front Mounted Screw-Type Chip Conveyor

Tool Shank & Pull Stud



DIN50

CAT40

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Specifications

MODEL	UNIT	JHV-550APC	JHV-550	JHV-710	JHV-800	JHV-850	JHV-1020	JHV-1300	JHV-1500	JHV-1600	JHV-1800	JHV-2000
3 axes travel		Linear guideways								Linear guideways(X,Y)+Box way(Z)		
X axis travel	mm	550	550	710	800	850	1020	1300	1500	1600	1800	2000
Y axis travel	mm	400	400	460	500	550	550	750	750	750	900	900
Z axis travel	mm	460	460	560	580	580	580	700	700	700	750	750
Spindle nose - table surface	mm	120-580	120-580	120-680	120-700	120-700	120-700	150-850	150-850	120-820	150-900	150-900
TABLE												
Table area	mm	600 x 400	650 x 410	760 x 420	900 x 500	1020 x 550	1190 x 550	1300 x 750	1500 x 750	1650 x 750	1850 x 900	2050 x 900
Max. table load	kgs	200 x 2	250	450	500	600	800	1000	1000	1200	2500	3000
T-slot	mm	3 x 14 x 100	3 x 14 x 100	3 x 14 x 126	5 x 16 x 100	4 x 18 x 125	4 x 18 x 125	5 x 18 x 150	5 x 18 x 150	5 x 18 x 125	6 x 18 x 145	6 x 18 x 145
Pallet changing time	sec.	7	_	_	_	_	_	_	_	_	_	_
Pallet exchange method		180° changing (rotary)	_	_	<u> </u>	_	_	_	_	_	_	_
SPINDLE												
Spindle taper	type	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-50	BT-50
Spindle speed	rpm	8000	8000	8000	8000	8000	8000	8000	8000	8000	6000	6000
Spindle drive	type	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt
Spindle motor	kw	5.5 / 7.5	5.5 / 7.5	5.5 / 7.5	5.5 / 7.5	7.5 / 11	7.5 / 11	7.5 / 11	7.5 / 11	11 / 15	11 / 15	15 / 18.5
Spindle cooling	type	oil cooler	oil cooler	oil cooler	oil cooler	oil cooler	oil cooler	Oil cooler	Oil cooler	Oil cooler	Oil cooler	Oil cooler
FEED RATE												
Rapid traverse (X/Y/Z)	m/min	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	30 / 30 / 24	24 / 24 / 15	24 / 24 / 15
Cutting feed rate	mm/min	1-15000	1-15000	1-15000	1-15000	1-15000	1-15000	1-15000	1-15000	1-15000	1-7000	1-7000
X/Y/Z axis servo motor (Fanuc)	kw	1.2 / 1.2 / 1.8	1.2 / 1.2 / 1.8	1.2 / 1.2 / 1.8	1.2 / 1.2 / 1.8	1.8 / 1.8 / 2.5	1.8 / 1.8 / 2.5	4/4/7	4/4/7	4/4/7	7/7/7	7/7/7
X/Y/Z axis servo motor (Mitsubishi)	kw	1.5 / 1.5 / 2	1.5 / 1.5 / 2	1.5 / 1.5 / 2	1.5 / 1.5 / 2	3.5 / 3.5 / 3.5	3.5 / 3.5 / 3.5	4.5 / 4.5 / 7	4.5 / 4.5 / 7	4.5 / 4.5 / 7	7/7/7	7/7/7
ATC												
Magazine type	type	Arm	Carousel	Arm	Arm							
Tool magazine capacity	pcs	24	16	16	16	16	16	16	16	16	24	32 (OPT)
Max. tool diameter	mm	80 / 150	100 / 150	100 / 150	100 / 150	100 / 180	100 / 180	100 / 180	100 / 180	100 / 180	110 / 220	125 / 220
Max. tool length	mm	250	250	250	250	250	250	300	300	300	300	300
Max. tool weight	kgs	7	7	7	7	7	7	7	7	7	15	15
Tool selection	type	Random	Fixed	Random	Random							
BALLSCREW												
Diameter of X,Y,Z axis	mm	32	32	32	32	40 / 40 / 38	40 / 40 / 38	45	45	45 / 45 / 50	50	50
Pitch of X,Y,Z axis	mm	12	12	12	12	10	10	10	10	10	10	10
OTHER												
Power consumption	KVA	20	20	20	20	20	20	30	30	40	40	40
Floor space (L/W/H)	cm	200 x 296 x 236	190 x 245 x 260	230 x 245 x 277	230 x 255 x 278	331 x 275 x 295	331 x 275 x 295	430 x 350 x 300	430 x 350 x 300	440 x 305 x 320	580 x 400 x 365	580 x 400 x 365
Machine weight	kgs	3750	3400	4200	4500	6200	6800	9000	10000	11000	17500	18500
CONTROLLER				Fanuc C	i-MD					Fanuc Oi- <i>N</i>	ND	

Design and specifications are subject to change without prior notice.