



YUHUAN CNC MACHINE TOOL CO. LTD.

SMT
Integrated Surface
Grinding Solutions

PRECISION GRINDING TECHNOLOGY

YHM

SERIES

YHM 700

YHM 1000



宇环数控机床股份有限公司
YUHUAN CNC MACHINE TOOL CO., LTD.

DOUBLE SIDE FINE GRINDING MACHINE

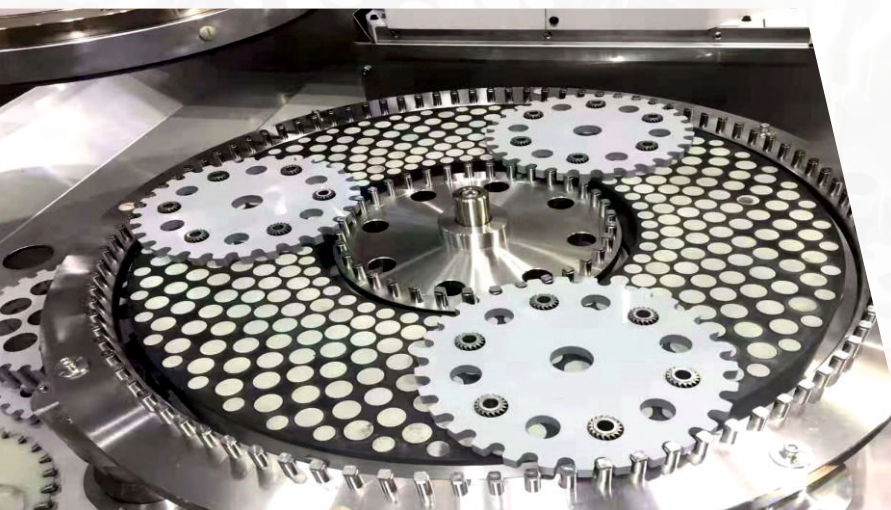
MACHINE FUNCTION

The Upper and Lower Grinding wheel as well as planetary carriers rotate simultaneously to drive work pieces into planetary motion between the two grinding wheels.

Independent Variable Drive with simple and convenient operation, Customised processing solution to improve product capacity.

High Precision Grinding of Flat Surface of metallic & Non Metallic parts such as Valve Plates, Hard Alloy, Bearings, Piston Rings, Carbide Blades, Ceramic, Glass, Magnetic Materials.

FOUR PLANETARY MOTION TECHNOLOGY



HIGH - PRECISION ACCURACY

HIGH - SPEED GRINDING OF FLAT SURFACE

Ultra High Precision can be achieved :

Flatness: <0.002 mm

Parallelism : <0.002 mm

Surface Finish : <0.2 Ra

Material Removal : 0.6~0.8 mm

EXTREMELY PRECISE GEOMETRIC ACCURACY AND SURFACE FINISH

INTEGRATED SURFACE GRINDING SOLUTIONS



MAIN FEATURES

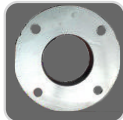
- High strength cast iron machine body
- Three independent variable speed for Upper disc, Lower disc and Inner ring
- Upper grinding head swing, manually or automatically
- High precision pneumatic pressure
- Digital size control system
- Inner ring drive via servo motor
- Uniform coolant distribution thru upper disc
- Precision non contact probe
- Constant temperature cooling and filtering system
- PLC and touch screen control interface
- Strong fault diagnosis function
- Simple and convenient operation
- Customized processing solution



End Cover



Valve Plate



End Plate



Rotor



Cam Ring



Rotor & Stator



Gear



Housing



Sapphire



Piston Ring



Connecting Rod



Bearing



Carbide Inserts



Washer



Valve Plate



Valve Plate



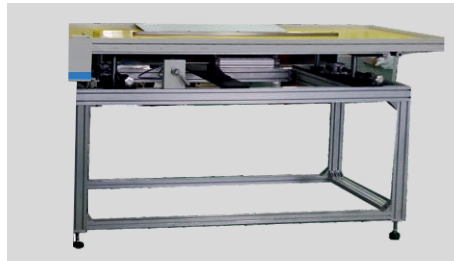
Hard Alloy



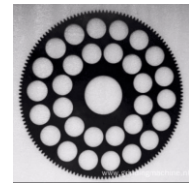
Ceramic Washer



Dressing Wheel: Used To achieve the accuracy requirements, When CBN or Diamond Wheels efficiency becomes lower then same can be corrected by dressing.



Loading Table : As per the Production Capacity and Customer requirements Semi-Automatic and Automatic Loading and Unloading Device can be configured (Optional Accessories)



Carrier Plate: Can be designed as per the component shape and size, Carrier plates hold the component during the planetary grinding motion.

MAIN SPECIFICATION

ITEM/MODEL	Unit	YHM530	YHM700	YHM720	YHM1000	YHM1200
Diameter of Grinding Wheel	mm	ø530	ø700	ø720	ø1000	ø1200
No. of Carriers	nos.	5	6	6	6	6
Workpiece Range (Max.)	mm	ø150	ø200	ø200	ø300	ø400
Thickness of Workpiece (Max.)	mm	30	40	40	100	100
Speed of Upper & Lower Wheel (Max.)	rpm	105	105	105	80	85
Speed of Inner Ring (Max.)	rpm	65	75	75	65	65
Spindle Power of Upper & Lower	kw	2 x 4	2 x 5.5	2 x 5.5	2 x 9.2	2 x 11
Power of Inner Ring Servo Motor	kw	2	2	2	3	5
Max Pressure	kgf	600	700	700	1000	1500
Electrical Connection	-	415 Volt, 3 Phase, 50 Hz	415 Volt, 3 Phase, 50 Hz	415 Volt, 3 Phase, 50 Hz	415 Volt, 3 Phase, 50 Hz	415 Volt, 3 Phase, 50 Hz
Weight	kg	3000	4500	4500	6000	6500
Overall Dimension (L x W x H)	mm	1500 x 1700 x 2500	1800 x 1900 x 2500	1800 x 1900 x 2500	2500 x 2100 x 2700	2600 x 3000 x 2300

宇环数控机床股份有限公司

YUHUAN CNC MACHINE TOOL CO., LTD.

 Add: No.9 Yongyang Road, Liuyang High-Tech Industrial Zone, Changsha,
 Hunan Province, 410323, P.R.China

Mob.: +86-18774862105 (Tel/Fax) : 86-731-83201588

Email: lyw@yh-cn.com Website: www.yh-cn.com