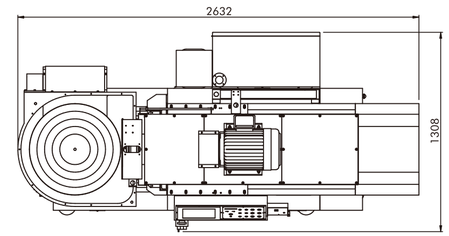
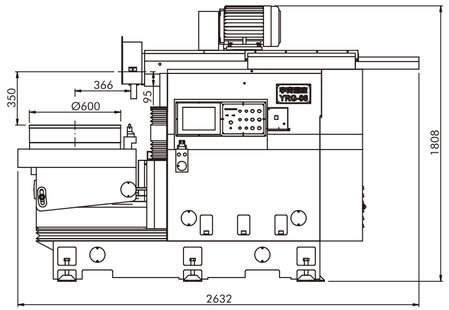
Dimensional Drawings:

UNIT : mm





Standard Accessories:

Item	Description	Q'ty
1.	Grinding wheel (Dia x Thickness x Bore) Ø355x38xØ127	1
2.	Grinding wheel flange & puller	1
3.	Arbor & nut for wheel balancing.	1 Each
4.	Diamond tool (1/4 carat) with a base	1 Each
5.	Dust sweeping squeegee	1
6.	Working lamp	1
7.	Leveling plates, bolts and nuts	7 Each
8.	Necessary tool with a tool box	
	A. Wrench (36m/m)	1
	B. Allen key wrench (2.5,3,4,5,6,8 m/m)	1 Each
	C. Adjustable wrench (375m/m)	1
	D. Cross screw driver (#4)	1
9.	Lubrication oil (4 liters, mobile #1405)	2
10.	Operation manual and inspection certificate	1 Each
11.	Touch up paint	1
12.	Coolant system C/W a magnetic dust separator.	

Item	Description
13.	Automatic diamond wheel dresser with compensation.
14.	Automatic demagnetizing controller for electro-magnetic chuck.
15.	Electro-magnetic chuck.
16.	Grinding wheel balancing apparatus.
17.	Spare grinding wheel flange.
18.	Spindle overload protection device.
19.	Standard splash guard.

Optional Accessories:

Note: The marks "★" to be installed at factory.

★	C01	Spindle inverter
★	D02	Linear scale for vertical and horizontal (feedback).
★	E06	Coolant system with paper filter.
★	E07	Coolant system with paper filter & C/W a magnetic dust separator.
★	G03	Automatic overwheel dresser with compensated device.
★	I11	Cutting fluid Cooler.
★	N01	Auto. Dynamic balancer for grinding wheel on machine.
★	R02	Grinding wheel flange (Auto & Dynamic).
★	F03	Fully enclosed splash guard.

SPECIFICATIONS:

ITEM		UNIT	YRG-06
CAPACITY			
Rotary table diameter		mm	Ø600
Maximum distance from table top to spindle center line		mm	350
Maximum Cross (Z-axis) travel		mm	370
Maximum Vertical (Y-axis) travel		mm	250
Table rotating speed		rpm	10~100
Table tilt angle		angle	±3°
Auto down feed setting (One/Two side feed)		mm	0.001~0.999
Maximum grinding diameter		mm	Ø655
SPINDLE			
Grinding wheel (Dia x Thickness x Bore)		mm	Ø355x38xØ127
Spindle speed	50HZ	rpm	1450
	60HZ	rpm	1750
Spindle motor		hp	10HP / 4P
MOTOR			
Rotary table servo motor		kw	1.5
Vertical servo motor		kw	1.5
Cross servo motor		kw	1.5
VERTICAL FEED			
Vertical rapid feed 100%		mm/min	400
Vertical slow feed 10%		mm/min	60
MPG	Per revolution (x1, x10, x100)	mm	0.1, 1, 10
	Per graduation (x1, x10, x100)	mm	0.001, 0.01, 0.1
CROSS FEED (Z-axis)			
Cross rapid feed 100%		mm/min	2000
Cross slow feed 10%		mm/min	100
MPG	Per revolution (x1, x10, x100)	mm	0.1, 1, 10
	Per graduation (x1, x10, x100)	mm	0.001, 0.01, 0.1
DIMENSION &WEIGHT			
Weight (approx)		kg	6000
Packing dimensions (LxWXH)		mm	2680x1310x1808

• The above specifications subject to change without prior notice.

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SEEDTEC®

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Super high precision accuracy with 3 axes servo drive.

- Meehanite Castings- All major castings are annealed and stress relieved for deformation-free on the structure, to ensure life time accuracy and maximum stability.
- 3 axes AC servo motor drive- To perform high precision efficiently by optimizing the capacity when machining.
- Automatic wheel dressing- To dress wheel coarsely, finely, and auto compensation.
- Minimum down feed, 0.1 micron on control screen.
- Machining feature, flat surface grinding and step surface grinding.
- Table tilt angle is ± 3°, to enable convexity machining and concavity machining
- Automatically reduced feed rate to the table center on horizontal axis.

General machining workpiece.

- Spindle spacer.
- Circular plate
- Edge of knife. (ex: Slicing knife)
- Thin plate.

Super high precision by rotary grinding

- Testing work piece (Ø70mm X 50mm, 4 pcs), flatness deviation under 2 microns.
- Surface roughness is under 0.2Ra.

Constant peripheral velocity of rotary table

- While wheel head moving to rotary table center, the rotating speed of table will be increased automatically based on the wheel head position to keep same peripheral velocity. It's more effectively high machining precision, and less consumption of wheel.

Easy and friendly operation

- Easy to use control equipped with 10" color touch screen and conversational machining parameters input.
- Convenient to touch work piece and test grinding by MPG.
- Allows two-step machining including rough and fine grinding. This combines with 9 times (Max) setting for spark-out to achieve higher accuracy and better efficiency.
- The spindle position displays on the screen at any time, and permits zero position setting at any position featuring similar function as a liner scale.
- The spindle down feed provide 5 modes:

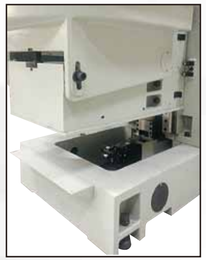
1. Rapid feed (230mm/min)
2. Jog feed (According to F setting value)
3. Micrometric feed (0.001 mm/ per time)
4. MPG feed, Z-axis feed rate includes 1μ, 10μ, and 100μ, and Y-axis feed rate includes 1μ, 5μ, and 10μ.
5. Fully automatic.

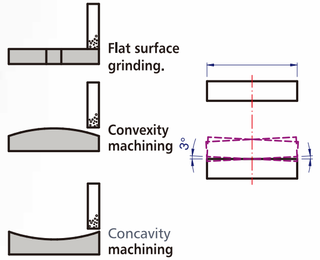
- After spindle moved or wheel dressed, it does not affect the original set feed amount. Therefore, no need to make a resetting.
- The spindle raised to "a" position (can be set) above the zero position
- Once spindle raised to "a" position then fast descending to grinding position, pressing automatic cycle key, the machine performs automatic cycle operation. It's safe and convenient operation.
- Total feed amount and machining data settings are directly entered through value. No calculation is required and no machining residual for operation convenience.
- Illustrative control panel and diagrammatic feed instruction combined with conversational input through flash light featuring humanized operation. The operation panel is easy to learn and operate.
- After machining finished, the operator may select below conditions:

1. The machine does not stop but the warning lamp flashing.
2. Machine stopped and power off, this mode is suitable for the last setting of grinding before job finished everyday.

Adjustable table tilt angle to ± 3°

- Table tilt angle is ± 3° by adjust, to enable convexity machining, concavity machining, and flat surface grinding.





Vertical axis with liner guide way.

- Vertical axis employs high rigidity and precision liner guide way that ensures high positioning and repeatability accuracy, lower friction, and smooth traverse.

Horizontal axis with double V slide ways.

- Enlarged cross double V and extra-long slide ways with fully support on base.

Highly precision hand scrap.

- Horizontal axis slide ways hand scraped precisely after Turcite-B coated on slide ways.

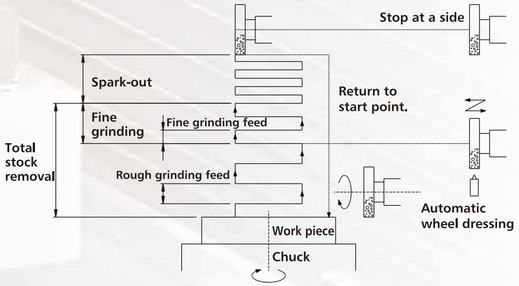
Automatic lubrication.

- With automatic lubrication unit, lubrication oil continuously delivered to horizontal slide ways when spindle is power on.

Linear scale for Vertical and Horizontal (Opt.)

- Outstanding positioning accuracy for vertical and horizontal axes by linear scale with feedback.

Automatic grading cycle (Including automatic wheel dressing with compensation)



Automatic wheel dressing with compensation function

- Automatic wheel dressing function including rough dressing, fine dressing and compensation.