

Diamond Wheel Dressing Machine



TD-2 / TD-3 / TD-5

For different grinders, the corresponding adapter rods can be selected. Other options for dedicated spindle include HSK-A/C, HSK-50A/C, HSK-E, improving the dressing precision of grinding wheel.

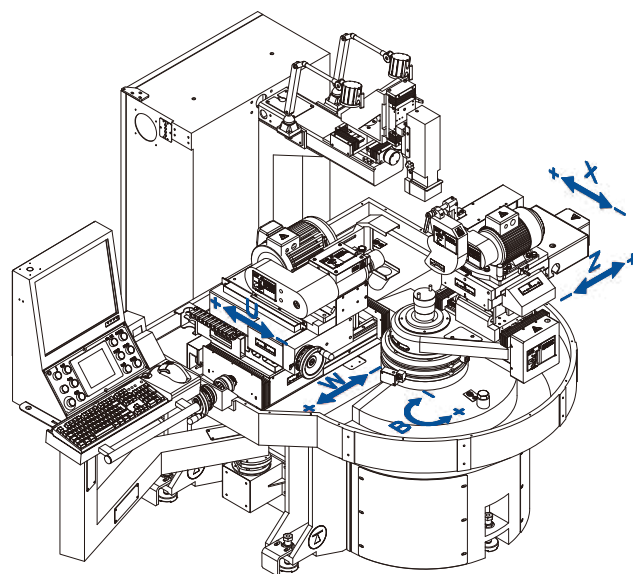


Diamond Wheel Dressing Machine

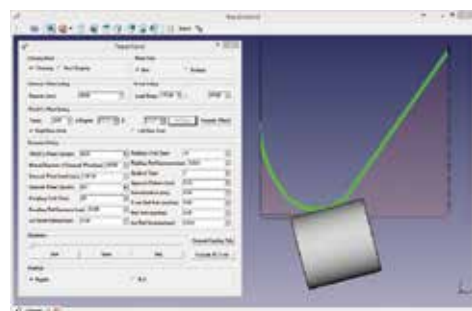
TD-2 / TD-3 / TD-5

Diamond wheel and dressing wheel

The endcone of the standard spindle of the dressing wheel is BT40.
For different grinders, the corresponding adapter rods can be selected.



Other options for dedicated spindle include HSK-A/C, HSK-50A/C, HSK-E, improving the dressing precision of grinding wheel.



DXF Software (TD-5)

Importing DXF file as a template when grinding draws a direct comparison between the wheel and the template to ascertain the profile.



Dust collection device

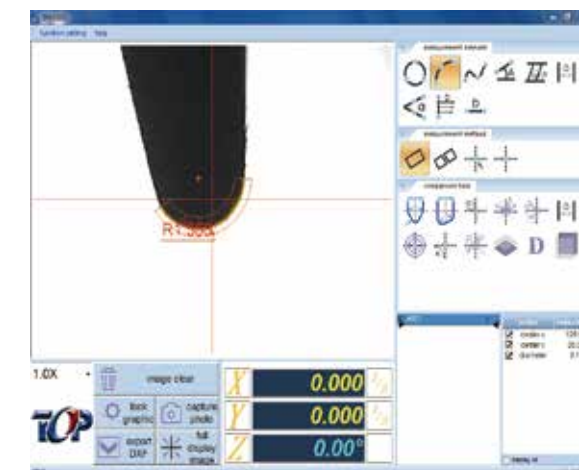
Uncovered sheet metal.



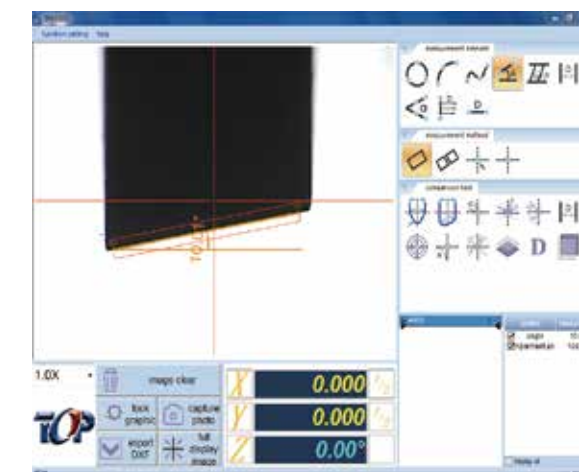
CCD camera system

Full cover sheet metal.

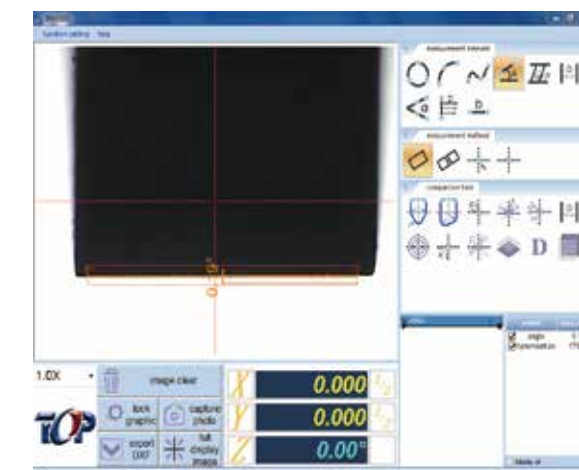
Functions and Measurement



◀ Radius



◀ Angles



◀ Flat

Controller

TD-2

PLC



Servo axis

X、Z axis



TD-3

PLC



Servo axis

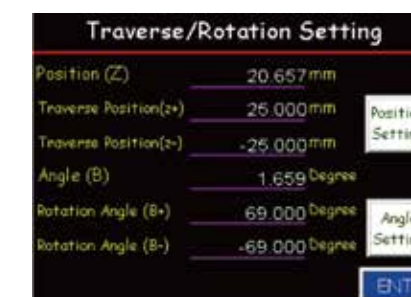
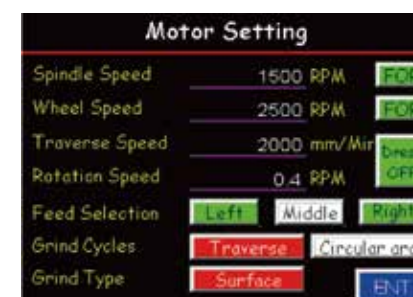
X、B、Z axis

CCD software

TM3000

CCD Magnification

20x to 138x



TD-5

Mitsubishi M80



Servo axis

X、B、Z、U、W axis

CCD software

TM3000

CCD Magnification

20x to 138x



Layout (standard exterior)



TD-2

Uncovered sheet metal



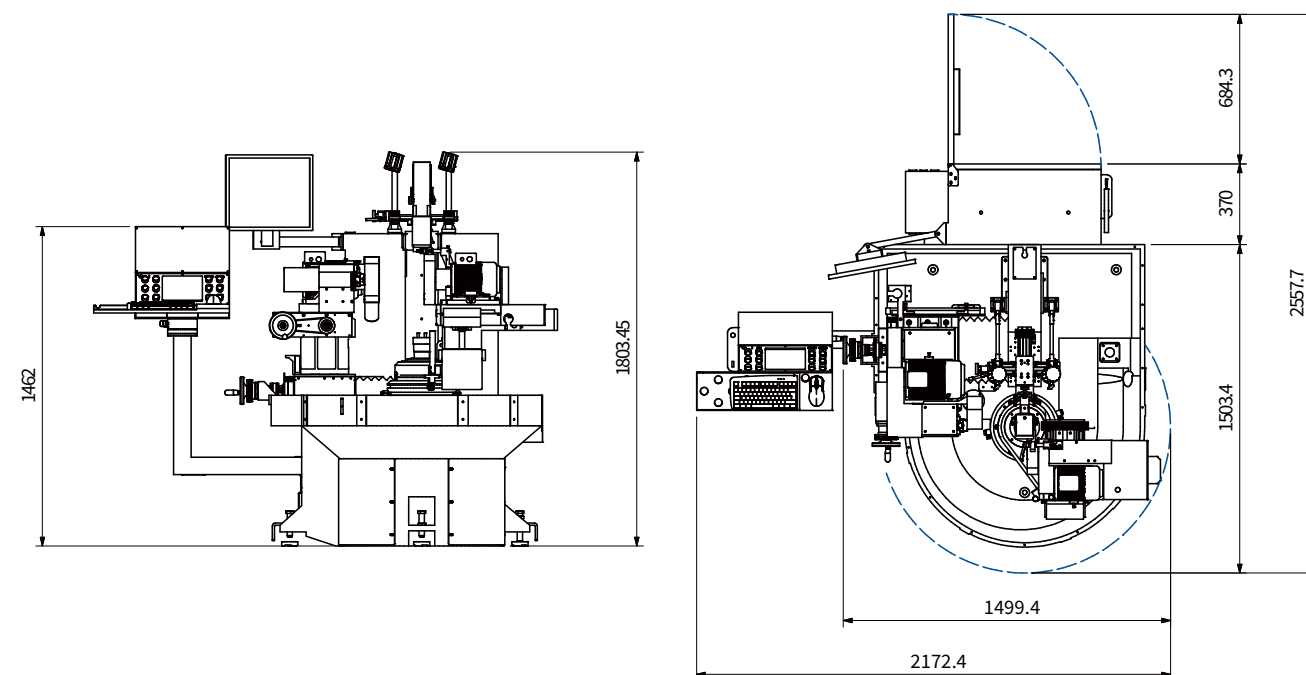
TD-3

Uncovered sheet metal

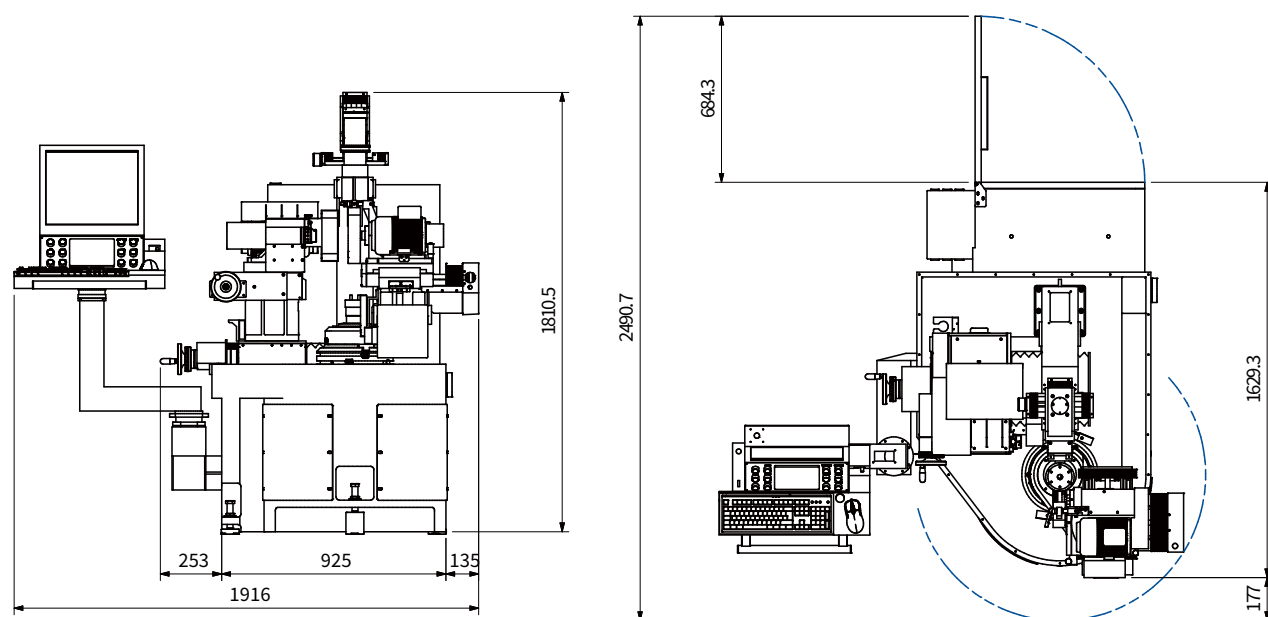


TD-3 / TD-5

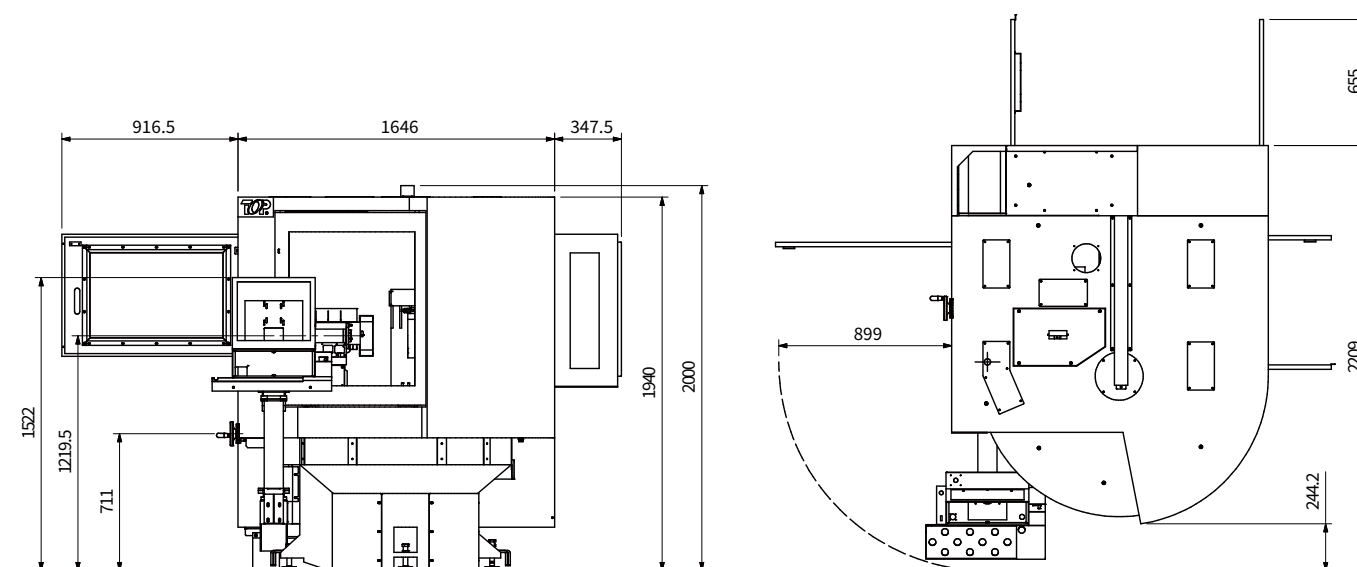
Full cover sheet metal



▲ TD-3 Uncovered sheet metal



▲ TD-2 Uncovered sheet metal



▲ TD-3 / TD-5 Full cover sheet metal

Specification / Model		TD-2	TD-3	TD-5
Diamond / CBN grinding wheel module	Spindle	BT-40	BT-40	BT-40
	Max. diameter	Ø250 mm	Ø250 mm	Ø250 mm
	Min.diameter	Ø50 mm	Ø50 mm	Ø50 mm
	Speed	100 to 2500 RPM	100 to 2500 RPM	100 to 2500 RPM
	Motor power	2 HP(1.5 kw)	2 HP(1.5 kw)	2 HP(1.5 kw)
	W-axis movement and drive	180 mm/Manual	280 mm/Manual	280 mm/Servo
	U -axis movement and drive	140 mm/Manual	140 mm/Manual	140 mm/Servo
Dressing wheel module	Dimension of wheel	Ø205 x 19t mm	Ø205 x 19t mm	Ø205 x 19t mm
	Speed	200 to 3500 RPM	200 to 3500 RPM	200 to 3500 RPM
	Motor power	1HP(0.75 kw)	1HP(0.75 kw)	1HP(0.75 kw)
	X axis feed stroke and drive mode	100 mm/Servo	100 mm/Servo	100 mm/Servo
	Z-axis swing distance and drive mode	20 to 80 mm/Servo	20 to 80 mm/Servo	20 to 80 mm/Servo
	B-axis rotation angle and drive mode	±95° Manual	±95° Servo+Reducer	±95° Servo+Harmonic Drive
Dimensions	L x W x H	2106 x 1807 x 1815 mm	2173 x 1874 x 1815 mm	1994 x 2209 x 2000 mm
	Weight	1600 kg	1750 kg	2260 kg
Controller	Controller	PLC	PLC	Mitsubishi M80

※ All specifications are subject to alternations without prior notice.

Accessories	TD-2	TD-3	TD-5
Uncovered sheet metal	●	●	-
Full cover sheet metal (Coolant tank, Oil mist collector with filtering drum included)	-	opt.	●
Linear Encoders (U 、 W axis)	-	●	●
B-axis Harmonic reducer	-	opt.	●
CCD camera system + 24" Monitor (Magnification for full screen 20x to 138x)	-	●	●
Work lamp	●	●	●
Blocks and horizontal adjustment screws	●	●	●
Spare belt for spindle drive	●	●	●
WA Grinding wheel	●	●	●
Dressing wheel flange	●	●	●
Tool box	●	●	●
Dust collection device	●	●	-
Wheel dresser	●	●	●
Additional diamond truing tool with diamond nib	●	●	●
MPG hand wheel	●	●	●
Customized adaptor and spindle (HSK-50... etc.)	opt.	opt.	opt.
Transformer	opt.	opt.	opt.



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