

## **Automatic Tool & Cutter Grinding Machine**

( Endmill + Bullmill + Ballmill + Drill + Chamfer + SportDrill + Ruffer Cutter Endmill )



- **PURPOSE AND SPECIFICATIONS**

- **USE**

- This product is an automatic CNC milling machine with servo motor as the power, suitable for tungsten steel and hard alloy materials as well as high speed steel material tool regrinding.
- Grinding tool model: flat bottom milling cutter, ball milling cutter, round nose milling cutter, drill bit.

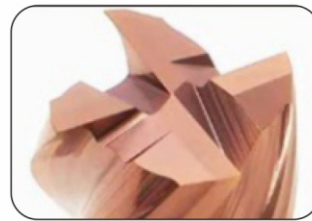
• **SPECIFICATION OF EQUIPMENT**

Model	ZD-X20
Supply voltage	220V/50Hz
Power rating	1500W
Spindle motor speed	3000rpm
Contour size of the unit	862mm X 788mm X 1435MM
Grinding Angle of milling cutter blade	Front Angle 7, Rear Angle 24, Groove 30
Weight of equipment	150KG
Grinding wheel size	Aø124X11/Bø124X11/Cø124X11/Dø124X5.50

• **FLAT MILLING CUTTER EDGE DIAMETER SPECIFICATIONS**

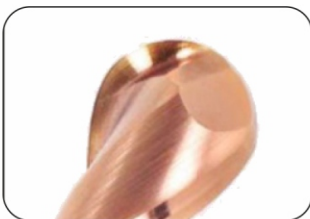
- (2 blades, 3 blades, 4 blades)

ø4	ø5	ø6	ø8	ø10
ø12	ø14	ø16	ø18	ø20



Plain cutter

• **FLAT MILLING CUTTER EDGE DIAMETER SPECIFICATIONS**



Ball milling cutter

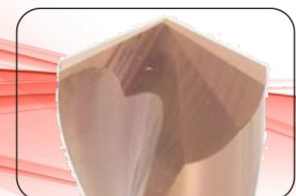
Ball milling cutter (2 blades) (4blades)										
<b>Radius</b>	R2	R2.5	R3	R4	R5	R6	R7	R8	R9	R10
<b>Knife edge</b>	ø4	ø5	ø6	ø8	ø10	ø12	ø14	ø16	ø18	ø20

Regrindig Feasibility		
Type of Tool	Size	Flute
Endmill	4 To 20 MM	2F, 3F, 4F
Corner Radius	4 To 20 MM	2F, 3F, 4F
Ballnose	4 To 20 MM	2F, 4F
Drill	4 To 20 MM	2F
Chamfer	4 To 16 MM	2F, 3F
Spot Drill	4 To 20 MM	2F

Boring crown

• **ALLOY DRILL CUTTER DIAMETER SPECIFICATION**

ø4.0-----ø20



• **RHINOCEROS MILLING CUTTER EDGE DIAMETER SPECIFICATION**

Round nose milling cutter (2 blade) (4 blade)										
Knife edge	R	R	R	R	R	R	R	R	R	R
ø4	0.2	0.5	1							
ø5	0.2	0.5	1							
ø6	0.2	0.5	1	1.5	2					
ø8	0.2	0.5	1	1.5	2	2.5	3			
ø10	0.2	0.5	1	1.5	2	2.5	3			
ø12		0.5	1	1.5	2	2.5	3	4		
ø14		0.5	1	1.5	2	2.5	3	4		
ø16		0.5	1	1.5	2	2.5	3	4	5	
ø18		0.5	1	1.5	2	2.5	3	4	5	6
ø20		0.5	1	1.5	2	2.5	3	4	5	6



Round nose  
milling cutter



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