

138 - 315" (3500 - 8000mm)

Rev 1.0



- Precision preloaded linear rotary drive
- Adjustable fast set clamping base
- Hydraulic anti backlash drive
- Radial contour milling feed

A unique concept for the machining of flanges which provides fast material removal with high accuracy. Specifically developed for the machining of large flanges, wind turbine rotor blades and wind turbine tower flanges.

The machine is supplied complete with:

- Drive ring, drive motors and reduction gearbox
- Facing feed /direction gearbox and pick up gearbox
- Milling facing arm and 90mm column spindle internal chuck base assembly
- Jaw blocks and 8 off clamping jaws; 4 of which are adjustable
- Toolkit, hose kit and centre distributor
- All required bolts
- Storage / shipping box
- CE certificate, packing list and manual.

Technical Details

Min / Max Turning Diameter	3500mm (138")	8000mm (315")
Min / Max Clamping Diameter	3500mm (138")	6985mm (275")
Rotational Drive – TWIN HYDRAULIC (5.0 Hp)	7.4 Kw	10.0 Hp
Milling Spindle - Hydraulic (standard)	3.7 Kw	5.0 Hp
Min / Max Rotation R.P.M (standard)	0	3
Surface Cutting Speeds @ Max Diameter	0 - 1 m/min	0 - 3.5 Ft/min
Standard Cutting Speed (125mm face)	400mm/min	16" / min
Min / Max Spindle R.P.M (standard)	25	265
Flatness Tolerance	0.05mm / Ø1m	0.002" / Ø40"
Spindle Down Feed	85mm	3.5"
Hydraulic Supply @ 1050 p.s.i (70 bar)	60 L/min	16 Gal/min

Feed Rates

Min / Max Facing Feeds (2 off IN / OUT)	0.10 - 0.81mm	0.004" - 0.032"
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Weights and Dimensions

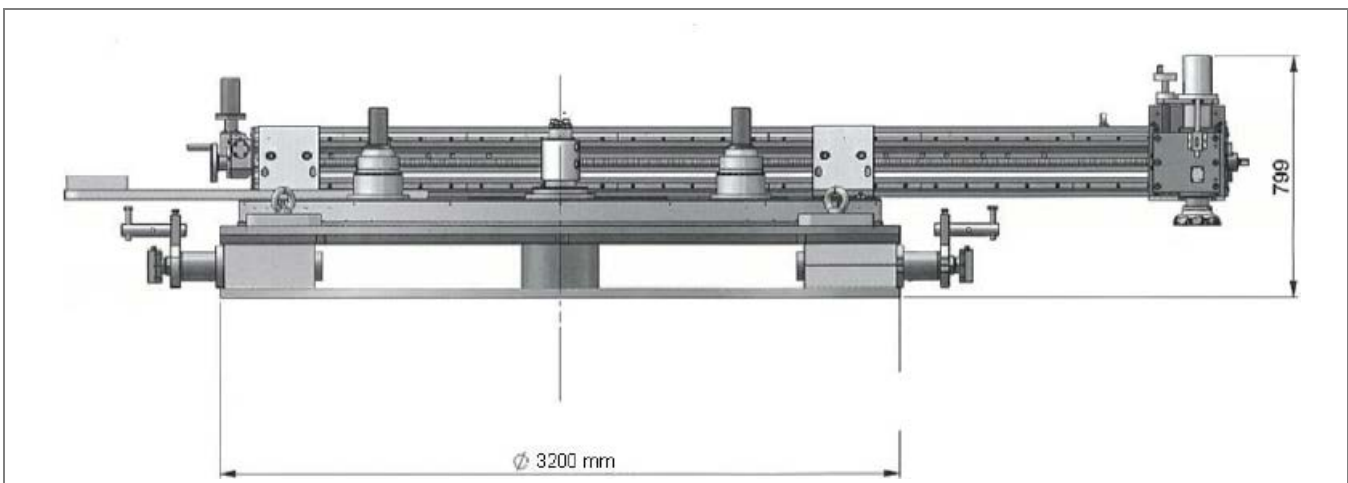
Machine Weight (not including base)	3500 Kgs	7700 Lbs
Shipping Weight	8950 Kgs	19690 Lbs

Shipping Dimensions – Machine

Length		Width		Height	
mm	inches	mm	inches	mm	inches
3000	119	2280	89	920	36

Shipping Dimensions – Base

Length		Width		Height	
Mm	inches	mm	inches	mm	inches
3210	126	2270	89	2360	93



Optional Accessories



WP3500-6 Hydraulic Mounting Base

Machine base for production mounting in to turbine rotor blades / towers



PP3-15 Hp Hydraulic Power Pack

50 Lpm / 20 Lpm @ 100 bar-
380/440v 3 phase -pendant control



WP6000-9

Single point turning tool post, carriage and tools

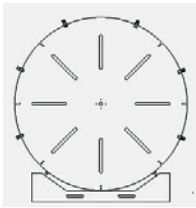


WP6000-8

Extended milling spindle - 250mm stroke

NEG0100-9

Swivel head milling carriage and spindle



WP6000-15

Tube sheet mounting kit



MM1080ie-20

Tube sheet back facing kit

Machine heat exchanger flange back faces in one setup



Tooling

Mirage can supply all inserted face mills & inserts and special form tools on request