

90 - 178" (2500 - 4500mm)

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	2500mm (98")	4500mm (178")
Min / Max Clamping Diameter	2500mm (98")	4000mm (157")
Rotational Drive	3.7 Kw	5.0 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	80mm	3.125"
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

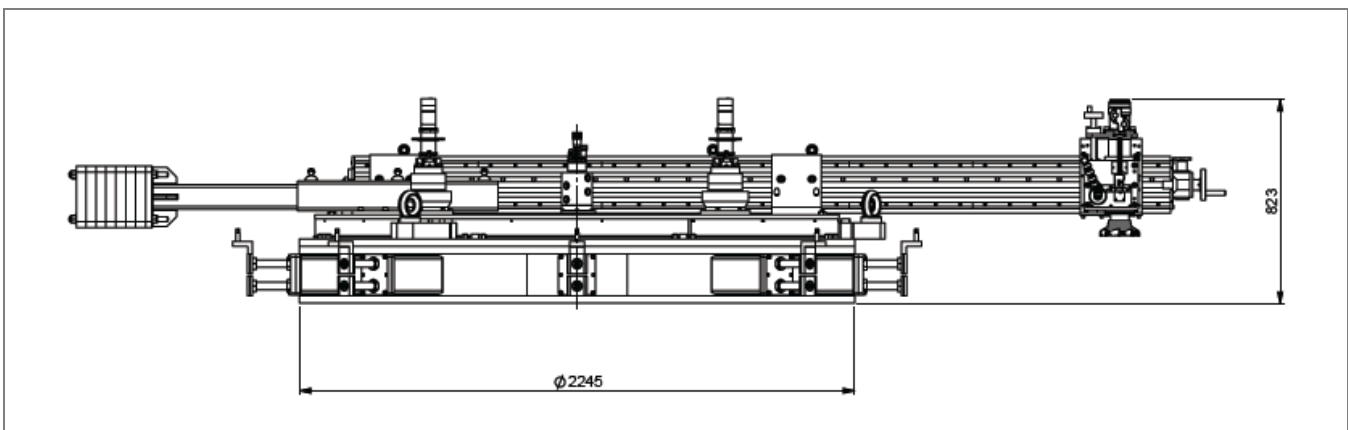
Machine Weight	2976 kgs	6547 lbs
Shipping Weight		15635 lb/7107 kgss

### Shipping Dimensions – Machine

Length		Width		Height	
mm	inches	mm	inches	mm	inches
2710	107	2310	91	970	38

### Shipping Dimensions – Base

Length		Width		Height	
Mm	inches	mm	inches	mm	inches
3750	147	830	33	790	31



## 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

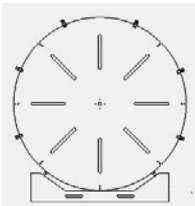


**WP6000-8**

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