

KEY FEATURES

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



DESCRIPTION

A unique concept for the machining of flanges which provides fast material removal with high accuracy. Specifically developed for the machining of large flanges.

APPLICATIONS

Applications include; machining large flanges, crane bearing faces, repairing drag lines, machining ship thruster flanges, wind turbine blade root end milling and wind tower flange machining

TECHNICAL SPECIFICATIONS

	OM2500	OM3500	OM4500	OM6000	OM8000
Maximum Machining Diameter	2500mm (98")	3500mm (138")	4572mm (180")	6000mm (236")	8000mm (315")
Min Clamping and Machining Diameter	1500mm (60")	1500mm (60")	2438mm (96")	2600mm (102")	3500mm (138")
Flatness Tolerance	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia
Rotational Drive Power	3.7kw (5hp)	3.7kw (5hp)	3.7kw (5hp)	7.4kw (10hp)	7.4kw (10hp)
Milling Spindle Power	3.7kw (5hp)	3.7kw (5hp)	3.7kw (5hp)	3.7kw (5hp)	3.7kw (5hp)
Surface Cutting Speed (at max diameter)	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min
Standard Cutting Speed (125mm face)	400mm/min	400mm/min	400mm/min	400mm/min	400mm/min
Min/Max Rotation	0-3	0-3	0-3	0-3	0-3
Spindle RPM Min-Max	25-265	25-265	25-265	25-265	25-265
Spindle Down Feed	80mm (3.125")	80mm (3.125")	80mm (3.125")	80mm (3.125")	80mm (3.125")
Hydraulic Supply Required	60L/min (16 gal/min)	60L/min (16 gal/min)	60L/min (16 gal/min)	60L/min (16 gal/min)	60L/min (16 gal/min)

INCLUDED AS STANDARD WITH MACHINE

Each machine is supplied complete with the following items;

- ✓ 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
- ✓ Centre distributor
- ✓ All required mounting blocks and extensions
- ✓ Storage / shipping crate
- ✓ CE certificate
- ✓ Packing list and manual

SET UP AND OPERATION

The operator must be:

- Trained and conversant with the product
- Able to identify the correct and incorrect use of static or portable machines.
- Comply with all local and internationally recognised regulations regarding safe use of powered machines.

SHIPPING WEIGHTS

Machine name	kg	Lbs
OM2500	4159 kg	9150 lbs
OM3500	4440 kg	9768 lbs
OM4500	6960 kg	6547 lbs
OM6000	12575 kg	27665 lbs
OM8000	17022 kg	19690 lbs

SHIPPING DIMENSIONS

	Length	Width	Height
OM2500 (1/2 machine)	252cm (99")	228mm (89")	92cm (36")
OM2500 (2/2 arm)	321cm (126")	228cm (89")	92cm (36")
OM3500 (1/2 machine)	291cm (99")	181cm (89")	102cm (36")
OM3500 (2/2 base)	236cm (126")	228cm (89")	92cm (36")
OM4500 (1/2 machine)	271cm (107")	231cm (91")	97cm (38")
OM4500 (2/2 arm)	375cm (147")	83cm (33")	79cm (31")
OM6000 (1/5 machine)	247cm (97")	232cm (91")	68cm (26")
OM6000 (2/5 base)	247cm (97")	232cm (91")	60cm (23")
OM6000 (3/5 legs)	193cm (76")	184cm (72")	68cm (26")
OM6000 (4/5 legs)	193cm (76")	184cm (72")	68cm (26")
OM6000 (5/5 arm)	500cm (197")	103cm (41")	62cm (24")
OM8000 (1/5 machine)	285cm (111")	223cm (88")	248cm (98")
OM8000 (2/5 arm)	596cm (235")	105cm (42")	52cm (21")
OM8000 (3/5 legs)	254cm (100")	154cm (61")	60cm (23")
OM8000 (4/5 legs)	254cm (100")	154cm (61")	60cm (23")
OM8000 (5/5 c'balance)	289cm (114")	94cm (37")	51cm (20")

Weights and dimensions are approximate and provided for guidance only.

IMPORTANT
PLEASE REVIEW OPTIONS, ACCESSORIES
AND SPARE PARTS ON NEXT PAGES



ORBITAL MILLING OPTIONS & ACCESSORIES

WP3500-6 HYDRAULIC MOUNTING BASE

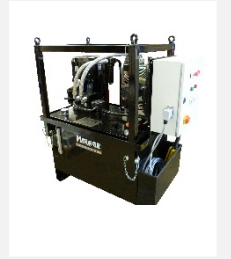
Available in various of sizes and for different materials. Please enquire for details.



PP3-15 HP HYDRAULIC POWER PACK

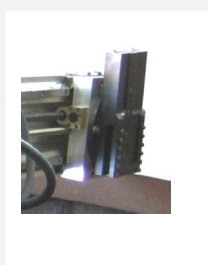
Part number: HDCP-6

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

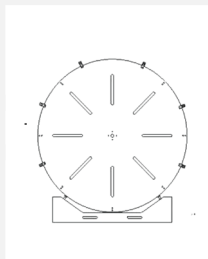
NEG0100-9

Swivel head milling carriage and spindle



WP6000-15

Tube sheet mounting kit



MM1080ie-20

Tube sheet back facing kit. To machine heat exchanger flange back faces in one setup



TOOLING

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

