

MIRAGE **EXTERNAL MOUNT** **FLANGE FACING MACHINES**

DIAMETERS FROM 0 - 80 INCH

CONTINUOUS GROOVE FINISHES
TO ASME STANDARD



▼ **Mirage MM760E externally mounted flange facing machine**



Continuous variable auto-feed for ASME standard finishes

- Choice of pneumatic and hydraulic drive motors
- Quick-set radial clamping adjustment
- Quick-set axial adjustment jaws
- Heavy-duty bearing construction for high metal removal rates and accuracy
- Heat exchanger kits for back facing and slot machining in one operation



Included as Standard with Each Machine

- Tool kit including tools and inserts
- Air filter lubricator (with pneumatic models)
- Hose connection
- All required mounting clamps
- Storage / shipping box
- CE certificate
- Packing list and manual



Description

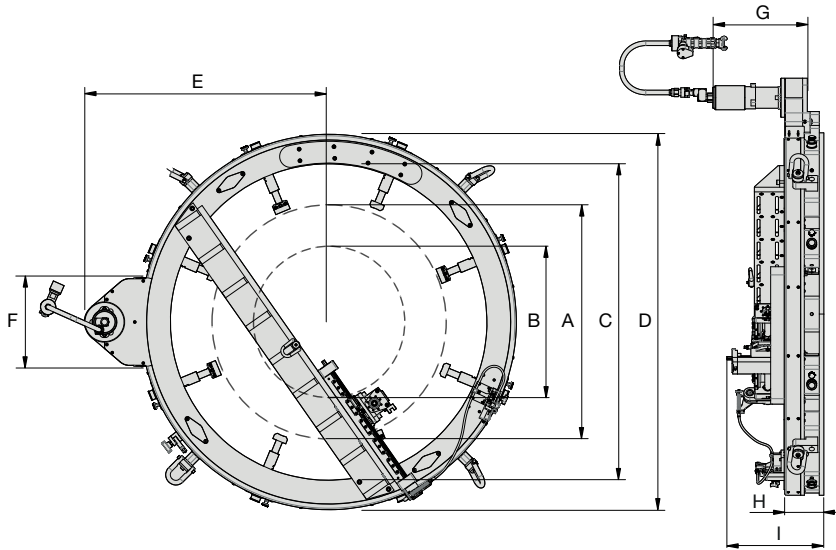
A series of externally mounted robust flange facing machines used to produce continuous groove gramophone finishes to ASME Standard.

Applications Include:

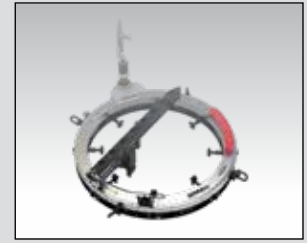
Facing heat exchanger flanges and other large flanges such as crane pedestals.

Model Number	Drive Type	Facing Diameter standard tooling	Clamping Locations	Tool Post Stroke: X-axis	Tool Post Stroke: Z-axis	Max. RPM	Supply Required		Speed Rates X and Y-axis per rev.
							psi (bar)	gal/min (l/min)	
MM760E	Pneumatic	0 – 30"	4	0 – 14"	0 – 4"	16	90 psi (6.2 bar)	—	0.004 – 0.31" (0.1 – 0.8 mm)
MM760E-H	Hydraulic	(0 – 762 mm)		(0 – 356 mm)	0 – 102 mm	32	800 psi (55 bar)	8 gal/min (30 l/m)	
MM1000-E	Pneumatic	0 – 40"	4	0 – 14"	0 – 4"	12	90 psi (6.2 bar)	—	
MM1000E-H	Hydraulic	(0 – 1016 mm)		(0 – 356 mm)	0 – 102 mm	25	800 psi (55 bar)	8 gal/min (30 l/m)	
MM1250E	Pneumatic	0 – 50"	8	0 – 14"	0 – 4"	9	90 psi (6.2 bar)	—	
MM1250E-H	Hydraulic	(0 – 1270 mm)		(0 – 356 mm)	0 – 102 mm	19	800 psi (55 bar)	8 gal/min (30 l/m)	
MM1500E	Pneumatic	0 – 60"	8	0 – 14"	0 – 4"	7	90 psi (6.2 bar)	—	
MM1500E-H	Hydraulic	(0 – 1524 mm)		(0 – 356 mm)	0 – 102 mm	14	800 psi (55 bar)	8 gal/min (30 l/m)	
MM1775E	Pneumatic	0 – 70"	8	0 – 14"	0 – 4"	5	90 psi (6.2 bar)	—	
MM1775E-H	Hydraulic	(0 – 1778 mm)		(0 – 356 mm)	0 – 102 mm	10	800 psi (55 bar)	8 gal/min (30 l/m)	
MM2000E	Pneumatic	0 – 80"	8	0 – 14"	0 – 4"	4	90 psi (6.2 bar)	—	
MM2000E-H	Hydraulic	(0 – 2032 mm)		(0 – 356 mm)	0 – 102 mm	8	800 psi (55 bar)	8 gal/min (30 l/m)	

External Mount Flange Facing Machines



**MME
Series**



**0 - 80 inch
External Mount**

MIRAGE FLANGE FACING MACHINES

Clamping Range:

18.1 - 80.5" (459 - 2045 mm)

Facing Range:

0 - 80" (0 - 2032 mm)

▼ MACHINE DIMENSIONS

Model Number	A Clamping (min. -max.)	B Clamping Range (with optional locator extensions)	C	D Locator Extensions	E	F	G	H	I
MM760E	18.1 - 30.5" 459 - 775 mm	21.4 - 9" 544 - 229 mm	31" 1041 mm	42.7" 1085 mm	29.4" 747 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm
MM1000E	28.1 - 40.5" 714 - 1029 mm	31.4 - 19" 798 - 483 mm	41" 1041 mm	52.7" 1339 mm	34.4" 874 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm
MM1250E	38.1 - 50.5" 967-1283 mm	41.4 - 29" 1052-737 mm	51" 1295 mm	62.7" 1593 mm	39.4" 1001 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm
MM1500E	48.1 - 60.5" 1221-1537 mm	51.4 - 39" 1306-991 mm	61" 1549 mm	72.7" 1847 mm	44.4" 1128 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm
MM1775E	58.1 - 70.5" 459 - 775 mm	61.4 - 49" 1560-1245 mm	71" 1803 mm	82.7" 2101 mm	49.4" 1255 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm
MM2000E	68.1 - 80.5" 1729-2045 mm	71.4-59" 1814-1499 mm	81" 2057 mm	92.7" 2355 mm	54.4" 1382 mm	14.25" 362 mm	16.1" 410 mm	6.6" 168 mm	17.9" 455 mm

▼ SHIPPING DIMENSIONS AND WEIGHTS

Model Number	Length	Width	Height	Machine Weight	Shipping Weight
MM760E	51.3" 1292 mm	53" 1346 mm	26" 660 mm	883 lbs 401 kg	1250 lbs 567 kg
MM1000E	62.3" 1582 mm	63" 1600 mm	26" 660 mm	1033 lbs 469 kg	1466 lbs 665 kg
MM1250E	73.4" 1864 mm	74" 1880 mm	26" 660 mm	1434 lbs 650 kg	1950 lbs 885 kg
MM1500E	84.4" 2145 mm	85" 2159 mm	26" 660 mm	1591 lbs 722 kg	2210 lbs 1002 kg
MM1775E	91.5" 2324 mm	71" 1803 mm	72" 1829 mm	1754 lbs 769 kg	3018 lbs 1369 kg
MM2000E	97" 2464 mm	71" 1803 mm	78" 1981 mm	1953 lbs 886 kg	3213 lbs 1457 kg

Mirage Accessories for Flange Facing Machines

The Range of Mirage Portable Machine Tools:

- Flange Facing Machines
- Hot Tapping Machines
- Portable Drilling Machines
- Decommissioning Saws
- Orbital Milling Machines
- Line Boring Machines
- Clamshell Pipe Cutters
- Custom Engineered Machines

Enerpac Industrial Tools:

- Cylinders and Jacks
- Pumps and Valves
- Systems Components
- Bolting Tools
- Presses
- Pullers
- Tools
- Heavy Lifting Technology
- Workholding Tools
- Equalizer® Flange Maintenance Tools
- Biach® Nuclear Tools
- Custom Products

Accessories for External Mount Flange Facing Machines

Heat Exchanger Back Facing Module



Machine	Model Number
MM760E	F0442C0001XX for all machine sizes
MM1000E	
MM1250E	
MM1500E	
MM1775E	
MM2000E	

Spare Kits

Kit contains parts such as springs, bearings, feed nuts and a cam follower.

Machine	Model Number
MM760E	MM760E-SK for all machine sizes
MM1000E	
MM1250E	
MM1500E	
MM1775E	
MM2000E	

Hydraulic Power Pack

Part Number: **HPU-2**
3 Phase Electric



Set-up and Operation

The operator must:

- Be trained and conversant with the product
- Be able to identify the correct and incorrect use of static or portable machines
- Comply with all local and internationally recognized safe use of powered machines

Compatible Milling Rails



Machine	Compatible Milling Rail Model Number
MM760E	LMR1000
MM1000E	LMR1000
MM1250E	LMR1500
MM1500E	LMR1500
MM1775E	LMR2000
MM2000E	LMR2000

Please specify either hydraulic or pneumatic drive type along with the mounting bracket below.

Heat Exchanger Milling Rail Mounting Bracket

Part Number: **F0442D0002XX**
For all machine sizes

Face Turning Surface Comparator

Part Number: **RBC0119**
For all machine sizes

Jaw Locator Leg

Part Number: **F0411A0005XX**
For mounting onto smaller diameters

Hose Couplings

Part Number: **F4027X0075HA**
2 x ¾" (Holmbury) quick release flat face couplings.
Male and Female – 6ft (1829 mm) hose length

Part Number: **F4027X0074HA**
2 x ½" (Stucchi) quick release flat face couplings.
Male and Female – 6ft (1829 mm) hose length