

Internal Mount Flange Facing Machines



FF120

- Mechanical tool manually operated
- Simple to operate
- Lightweight - only 15 lbs (6,8 kg)
- Multiple leadscrew options allow for manually driven continuous fixed feeds for ASME standard surface finishes
- Calibrated slide to define cut depth and correct finish.



MM305I and MM610I

- Swivel toolpost for groove details, reduces the need for separate accessories
- Supplied with a range of 2 quick set base sizes for improved onto site operation
- Collet base allows for efficient machine mounting and centering.



MM860I and MM1000I

- 360 swivel toolpost for groove details, reduces the need for separate accessories (power feed on MM1000I)
- Supplied with a range of 3 quick set base sizes for improved onto site operation
- Adjustable height clamping jaws for efficient machine setting.



MM1500I

- Power feed 360 swivel toolpost for groove details, reduces the need for separate accessories
- Supplied with a range of 3 quick set base sizes for improved onto site operation
- Adjustable height clamping jaws for efficient machine setting.



MM2000I

- Power feed 360 swivel toolpost for groove details, reduces the need for separate accessories
- Supplied with a range of 2 quick set base sizes for improved onto site operation
- Adjustable height clamping jaws for efficient machine setting.



MM3000I and MM4500I

- Power feed 360 swivel toolpost for groove details, reduces the need for separate accessories
- Supplied with a range of 3 quick set base sizes for improved onto site operation
- Adjustable height clamping jaws for efficient machine setting
- Milling accessories available with the hydraulic drive version.



Flange Facing Machines

Flange Facers are known for precision construction, the results they deliver, and how easy they are to set-up on-site. These high-performing machines produce continuous groove facing feeds to ASME standards for the oil & gas, power generation and petrochemical industries.

MM-I Series feature

- Hardened slideways for long term accuracy
- High torque low noise drive
- Heat exchanger machining accessories available on most models.

Applications

- Heat exchanger flanges
- Hub profiles
- Lens-ring joints & Raised face flanges
- Recessed gaskets and spigots
- Ring type joint grooves (RTJ)
- SPO compact flanges
- Swivel ring & TECHLOK flanges
- Welding preparations.

▼ MM860I machine to ensure flange joint integrity.



Internal Mount Flange Facing Machines

Flange Facing Diameter Range		Machine Model Number	Drive Power Options	
(inch)	(mm)		Pneum.	Hydr.
1 – 12	25 – 305	FF120 *		
2 – 12	51 – 305	MM305I	•	
2 – 24	51 – 610	MM610I	•	
6 – 34	152 – 864	MM860I	•	
6 – 40	152 – 1016	MM1000I	•	•
12 – 60	305 – 1524	MM1500I	•	•
24 – 80	610 – 2032	MM2000I	•	•
5 – 120	127 – 3048	MM3000I	•	•
83 – 161	2100 – 4100	MM4500I		•

* FF120 is not suitable for lens-ring joint flanges or ring type joint (RTJ) flanges.

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Flange Facing Machines

External Mount Flange Facing Machines



MM200E

- Preloaded cross roller bearing drive, ensuring robust, accurate, repeatable machining
- Hardened slideways for long term accuracy
- Swivel toolpost for groove details, reduces the need for separate accessories
- Continuous fixed feed for ASME standard surface finish
- Quick set integrated clamping jaws.



MM300E

- Preloaded cross roller bearing drive, ensuring robust, accurate, repeatable machining
- Hardened slideways for long term accuracy
- Swivel toolpost for groove details, reduces the need for separate accessories
- Multiple continuous fixed feeds for ASME standard surface finishes
- Quick set integrated clamping jaws.



MM600E

- Preloaded cross roller bearing drive, ensuring robust, accurate, repeatable machining
- Hardened slideways for long term accuracy
- Power feed 360 swivel toolpost for groove details, reduces the need for separate accessories
- Multiple continuous fixed feeds for ASME standard surface finishes
- Quick set integrated clamping jaws.



MM760E, MM1000E, MM1250E, MM1500E, MM1775E, MM2000E

- 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.

External Mount Flange Facing Machines

Flange Facing Diameter Range		Machine Model Number	Drive Power Options	
(inch)	(mm)		Pneum.	Hydr.
0 – 8	0 – 203	MM200E	•	
0 – 12	0 – 305	MM300E	•	
0 – 24	0 – 610	MM600E	•	
0 – 30	0 – 762	MM760E	•	•
0 – 40	0 – 1016	MM1000E	•	•
0 – 50	0 – 1270	MM1250E	•	•
0 – 60	0 – 1524	MM1500E	•	•
0 – 70	0 – 1778	MM1775E	•	•
0 – 80	0 – 2032	MM2000E	•	•

FF, MM Series



Internal Mount Facing Diameter:

1 - 161" / 25,4 - 4100 mm

External Mount Facing Diameter:

0 - 80" / 0 - 2032 mm

Cutting Resultant Roughness:

Ra 125-492 µin / 3,2-12,5 µ



Surface finish & accuracy

All flange facing machines provide a serrated finish with 30-55 grooves per inch and a resultant roughness of between Ra 3,2-12,5µ (125-492 micro-inches). Geared multiple continuous groove facing feeds for a gramophone finish (ASME Standard).

▼ MM600E external mount flange facing machine to ensure flange joint integrity.

