

KEY FEATURES

- Precision construction
- Preloaded cross roller drive, ensuring robust, repeatable machining
- Geared continuous groove facing feeds for a gramophone finish (ASME Standard)
- Two leadscrews provided as standard. (Extra two also available for alternative finish options)
- Quick-set integrated clamping jaws
- Swivel tool post

DESCRIPTION

An externally mounted robust flange facing machine using fixed gears to produce continuous groove gramophone finishes to ASME Standard.

APPLICATIONS

For all types of flange facing, seal grooving, weld preparation and counter boring.

SPECIFICATION

Min Facing Diameter	0mm (0")
Max Facing Diameter (With Standard tooling)	305mm (12")
Clamping Range	50mm - 305mm (2 – 12")
Tool Post Travel	40mm (1.57")
Rpm (max)	33
Standard drive type	Air
Number of feed settings	2 (in & out)
Output	0.80kw (1.1 hp)
Air supply needed @ 90psi	1.42m ³ /min 50cfm

FACING FEED RATES & GROOVES PER INCH

	Finish	mm/rev	inches/rev	grooves/inch
0.75mm pitch feed screw (supplied)	Fine	0.13	0.00511	195
	Coarse	0.51	0.02007	49.8
1.0mm pitch feed screw (supplied)	Fine	0.16	0.00630	166
	Coarse	0.64	0.02519	40
1.25mm pitch feed screw (optional)	Fine	0.22	0.0087	179
	Coarse	0.90	0.0354	45
1.75mm pitch feed screw (optional)	Fine	0.30	0.0118	85
	Coarse	1.25	0.0492	20
1.75mm pitch feed screw 2 start RH thread (optional)	Fine	0.626	0.0246	41
	Coarse	2.506	0.0987	10

INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ Toolkit including tools and inserts
- ✓ Air filter lubricator
- ✓ 2 lead screws
- ✓ Hose connection
- ✓ All required mounting clamps
- ✓ Storage / shipping box
- ✓ 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 safe use of powered machines.

COMPONENT WEIGHTS

Weight	43kg	95lbs
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SHIPPING WEIGHTS

1 Box Weight	91kg	201lbs
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SHIPPING DIMENSIONS

	Length	Width	Height
1 Box	64cm (25")	60cm (24")	45cm (18")

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



MM300e FLANGE FACING MACHINE OPTIONS & ACCESSORIES

SPARES KIT

Part number: MM300e-SK

Recommended for 2 year use. Kit varies by machine, but typically comprises machine bolts, ram bolts, feed nut screw, feed nut bolt, tool holder, spares kit for Modec motor).



BORING BAR SADDLE AND FEED

Part number: MM300e-12

(180 – 360mm diameter, 12" stroke).



SURFACE COMPARATOR

Part number: RBC0120

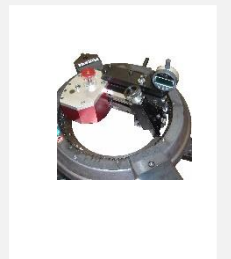
Surface finish comparisons for machine produced surface finishes, suitable for all single point machining applications.



COMPACT FLANGE MACHINING KIT

Part number: MM300ecf-3

D section to enable the machining of compact flanges.



LENS RING MACHINING KIT

Part number: MM610i-LRK

Optional Lens Ring Kits are used in place of the standard tool post on flange facing machines for performing repair work on 20° lens ring flanges.



RTJ MEASURING KIT

Part number: RTJM600

Kit for measuring ring type joints.



HYDRAULIC POWER PACK

Part number: PP-MLB-E



OPTIONAL LEAD SCREWS

For alternative finishes.

Description	Grooves per inch
1.25mm pitch	45, 79
1.75mm pitch	20, 85
1.75mm pitch	10, 41

Part number
MM300e-2-011
MM300e-2-012
MM300e-2-013



HYDRAULIC CONVERSION KIT

Part number: MM300e-15

Consisting of a hydraulic motor to replace the standard pneumatic motor. Hydraulic controls not included.