



KEY FEATURES

- Lightweight, precision construction
- Geared continuous groove facing feeds for a gramophone finish (ASME Standard)
- Striker/kick boring feed
- Quick set independent base for improved on-site operation
- Hydraulic drive available as optional extra
- Hardened slide ways to maintain long term accuracy
- Swivel tool post for groove details included; no requirement for separate accessories

DESCRIPTION

An internally mounted, lightweight and 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 and weld preparation.

SPECIFICATION

Min Facing Diameter	50mm (2")
Max Facing Diameter	305mm (12")
Small 3 Jaw Base Clamping Range	50mm – 122mm (2" – 4.8")
4 Jaw Base Clamping Range	120mm - 305mm (4.7 – 12")
Min Swing Diameter	390mm (15.4")
Tool Post Travel	40mm (1.6")
Rpm (max)	80
Standard drive type	Air
Hydraulic option	On request
Number of feed settings	2
Output	0.82kw (1.1 hp)
Air supply needed @ 90psi	1.42m3/min 50cfm

FACING FEED RATES & GROOVES PER INCH

	Finish	mm/rev	inches/rev	grooves/inch
1.0mm pitch feed screw (optional)	Fine	0.114	0.004	224
	Coarse	0.455	0.018	56
1.25mm pitch feed screw (supplied)	Fine	0.142	0.006	179
	Coarse	0.568	0.022	45
1.75mm pitch feed screw (supplied)	Fine	0.199	0.008	128
	Coarse	0.795	0.031	32

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 feet and extensions
- ✓ 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.



Exploded view showing all base components, collet mount and setting straps.

COMPONENT WEIGHTS

Weight (excl base)	16kg	36lbs
Max base assy Weight	8kg	18lbs

SHIPPING WEIGHTS

Box 1 Weight	60kg	133lbs
--------------	------	--------

SHIPPING DIMENSIONS

	Length	Width	Height
Box 1	68cm (26.7")	45cm (17.7")	37cm (14.6")

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



MM305i FLANGE FACING MACHINE OPTIONS & ACCESSORIES

SPARES KIT

Part number: MM305i-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).



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.



OPTIONAL LEAD SCREW

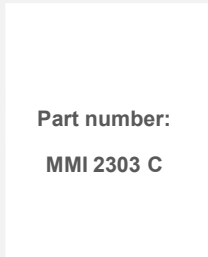
Used to alternative different finish.

Description

1.0mm pitch 56, 224 grooves/inch

Part number:

MMI 2303 C



SURFACE COMPARATOR

Part number: RBC0120

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



HYDRAULIC MOTOR

Alternative motor to convert the machine to hydraulic drive.

