

DESCRIPTION

An internally mounted, lightweight and robust flange facing machine using fixed gears to produce continuous groove gramophone finishes to ASME Standard.

KEY FEATURES

- Precision construction
- Geared continuous groove facing feeds for a gramophone finish (ASME Standard)
- Striker/kick boring feeds, to complete a full range of machining applications
- Quick set independent base for improved on-site operation
- Hardened slide ways to maintain long term accuracy
- Swivel tool post for groove details; reduces need for separate accessories

APPLICATIONS

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

SPECIFICATION

Min Facing Diameter	50mm (2")
Max Facing Diameter	610mm (24")
Small 3 Jaw Base Clamping Range	50mm – 122mm (2" – 4.8")
4 Jaw Base Clamping Range	120mm - 560mm (4.7" – 22")
Min Swing Diameter	530mm (20.8")
Tool Post Travel	40mm (1.6")
Rpm (max)	76
Standard drive type	Air
Hydraulic option available?	On request
Number of feed settings	2
Output	0.82kw (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
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)	21kg	47lbs
Max base assy Weight	8kg	18lbs

SHIPPING WEIGHTS

Box 1 Weight	65kg	144lbs
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SHIPPING DIMENSIONS

	Length	Width	Height
Box 1	65cm (26")	45cm (18")	43cm (17")

IMPORTANT

PLEASE REVIEW OPTIONS, ACCESSORIES
AND SPARE PARTS ON NEXT PAGES



MM610i FLANGE FACING MACHINE OPTIONS & ACCESSORIES

SPARES KIT

Part number: MM610i-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.

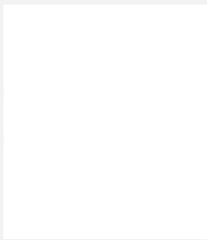


OPTIONAL LEAD SCREW

Used to create different finishes..

Lead Screw: MM610i-CFM-2-004
Leads Screw Nut: MME3327A

Description	Grooves per inch
M12 x 1.0mm pitch	56, 224



SURFACE COMPARATOR

Part number: RBC0120

A set of roughness specimens in a heavy-duty presentation suited to workshop use



2-12" SURFACING ARM

Part Number: MM250i-3

Shorter arm to reduce the swing diameter.

