



KEY FEATURES

- Precision construction
- 6 continuous groove facing feeds for a gramophone finish (ASME Standard).
- 3 different sized quick set independent bases for improved on-site operation
- Hardened slide ways to maintain long term accuracy
- Swivel tool post for groove details; reduces need for separate accessories

DESCRIPTION

An internally mounted and robust flange facing machine capable of producing 6 different 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	153mm (6")
Max Facing Diameter	1000mm (40")
Min Clamping Diameter	142mm (5.6")
Max Clamping Diameter	813mm (32")
Min Swing Diameter	830mm (32.7")
Tool Post Travel	100mm (4")
Rpm (max)	24
Standard drive type	Air
Hydraulic option	Yes (optional kit)
Number of feed settings	6
Output	1.6kw (2.1 hp)
Air supply needed @ 90psi	1.9m3/min 67cfm

FACING FEED RATES & GROOVES PER INCH

Direction	Gear	mm/rev	Inches/rev	Grooves/inch
Out	1	0.139	0.005	183
	2	0.217	0.009	117
	3	0.528	0.021	48
In	1	0.165	0.006	154
	2	0.258	0.010	98
	3	0.628	0.025	40

INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ 3 quick set bases
- ✓ All required mounting feet and extensions
- ✓ Toolkit including tools and inserts
- ✓ Air filter lubricator
- ✓ Hose connection
- ✓ 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 (excl base)	63kg	139lbs
Max Base Assy Weight	46kg	102lbs

SHIPPING WEIGHTS

Box 1 Weight	208kg	459lbs
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SHIPPING DIMENSIONS

	Length	Width	Height
Box 1	86cm (33.9")	57cm (22.4")	72cm (28.3")



Above: Exploded view of 3 base assemblies provided.

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



MM1000i FLANGE FACING MACHINE OPTIONS & ACCESSORIES

SPARES KIT

Part number: MM1000i-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).



HYDRAULIC CONVERSION KIT

Part number: MM1000i-14

Description needed



COMPACT FLANGE MACHINING KIT

Part number: MM1000i-CFM



SURFACE COMPARATOR

Part number: RBC0120

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



RTJ MEASURING KIT

Part number: RTJM1000



HYDRAULIC ORBITAL MILLING KIT

Part number: MM1000i-10

Add-on components used to convert to an orbital milling machine



HEAT EXCHANGER MOUNTING PLATE KIT

Part number: MM1000i-7

Kit to enable the machine to be attached to the tube sheet.



HEAT EXCHANGER BACK FACING KIT

Module to enable the machining of flange back faces on tube sheets.

