



KEY FEATURES

- Precision construction
- Geared continuous groove facing feeds for a gramophone finish (ASME Standard)
- 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
- Supplied with 3 different base sizes

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, weld preparation and counter-boring.

SPECIFICATION

Min Facing Diameter	153mm (6")
Max Facing Diameter	864mm (34")
Bases Clamping Range	142mm – 813mm (5.6 - 32")
Min Swing Diameter	670mm (26.3")
Tool Post Travel	100mm (4")
Rpm (max)	28
Standard drive type	Air
Hydraulic option available?	Yes
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	0.165	0.006	154
	2	0.258	0.01	98
	3	0.628	0.025	40
In	1	0.139	0.005	183
	2	0.217	0.009	117
	3	0.528	0.021	48

INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ Toolkit including tools and inserts
- ✓ Air filter lubricator
- ✓ 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.

COMPONENT WEIGHTS

Weight (excl base)	53kg	117lbs
Max base assy Weight	46kg	102lbs

SHIPPING WEIGHTS

Box 1 Weight	196kg	432lbs
--------------	-------	--------

SHIPPING DIMENSIONS

	Length	Width	Height
Box 1	89cm (35")	59cm (23.2")	74cm (29.2")



Above: Exploded view of 3 base assemblies provided.

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



MM860i 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

Kit for converting the machine to hydraulic drive.



SURFACE COMPARATOR

Part number: RBC0120

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



HYDRAULIC ORBITAL MILLING KIT

Part number: MM1000i-10

Add-on module used for orbital milling which replaces the tool post.



RTJ MEASURING KIT

Part number: RTJM1000

Kit for measuring ring type joint grooves.



COMPACT FLANGE MACHINING KIT

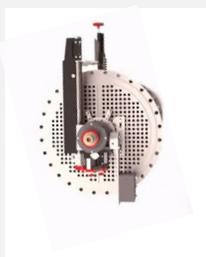
Add on module to enable the machining of compact flanges.



HEAT EXCHANGER MOUNTING PLATE KIT

Part number: MM1000i-7

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



HEAT EXCHANGER BACK FACING KIT

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

