



DESCRIPTION

An internally mounted and robust flange facing machine using fixed gears to produce 6 continuous groove finishes to ASME Standard.

KEY FEATURES

- Precision construction
- 6 continuous groove facing feeds for a gramophone finish (ASME Standard)
- Single base with extension legs to suit different mounting diameters
- Hardened slide ways to maintain long term accuracy
- Swivel tool post for groove details; reduces need for separate accessories
- High torque reduction drive to optimize machine performance

APPLICATIONS

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

SPECIFICATION

Min Facing Diameter	1150mm (45")
Max Facing Diameter	3050mm (120")
Min Clamping Diameter	1120mm (44")
Max Clamping Diameter	2800mm (110")
Min Swing Diameter	3655mm (144")
Tool Post Travel	102mm (4")
Rpm	12
Pneumatic drive available?	Yes
Hydraulic option available?	Yes
Number of feed settings	6
Output (Pneumatic)	3kw (4 hp)
Air supply needed @ 90psi	2.89m ³ /min 102.4cfm

FACING FEED RATES & GROOVES PER INCH

Direction	Gear	mm/rev	Inches/rev	Grooves/inch
Out	1	0.122		208
	2	0.191		133
	3	0.464		55
In	1	0.145		175
	2	0.227		112
	3	0.553		46

BORING FEED RATES

Feed Direction	Feed Gear	Feed Rate mm/rev
Out	1	0.028
Out	2	0.045
Out	3	0.109
In	1	0.034
In	2	0.053
In	3	0.129

INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ Heavy duty fabricated base assembly
- ✓ 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

Machine weight with base	1375kg	3025lbs
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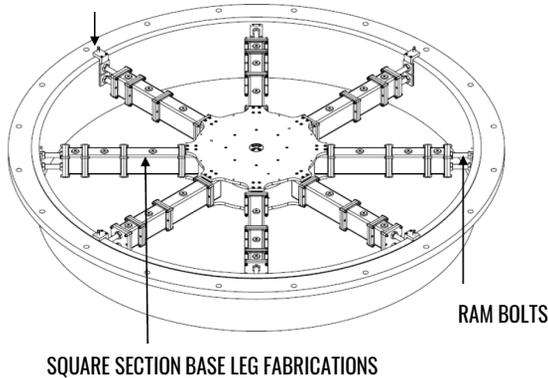
SHIPPING WEIGHTS

Box 1 Weight (Machine)	1050kg	2310lbs
Box 2 Weight (Base)	825kg	1815lbs

SHIPPING DIMENSIONS

	Length	Width	Height
Box 1	285cm (112")	100cm (40")	75cm (30")
Box 2	200cm (78")	115cm (45")	60cm (24")

ADJUSTABLE SETTING STRAPS



Above: Base assembly Mounted into flange.

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



MM3000i FLANGE FACING MACHINE OPTIONS & ACCESSORIES

SPARES KIT

Part number: MM3000i-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).



HEAT EXCHANGER BACK FACING KIT

Part number: MM2000i-26



SURFACE COMPARATOR

Part number: RBC0120

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



HEAT EXCHANGER MOUNTING PLATE KIT

Part number: MM3000i-8

