

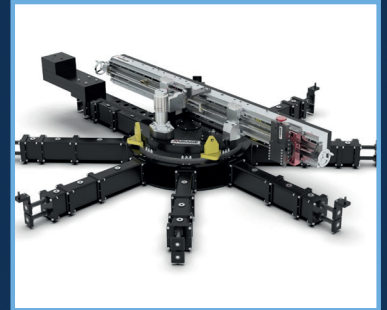


MM3000i Internal Mount Flange Facing Machine

An internally mounted and robust flange facing machine using fixed gears to produce 6 continuous groove gramophone finishes to ASME Standard. For all types of flange facing, seal grooving, weld preparation and counter boring.

Features and Benefits

- ✓ 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



Included as standard with machine

- ✓ 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



Technical Information

Specification

| | | |
|------------------------------------|--------------------------|----------------|
| Model | | MM3000i |
| Min Facing Diameter | mm | 1150 |
| | Inch | 45 |
| Max Facing Diameter | mm | 3050 |
| | Inch | 120 |
| Min Clamping Diameter | mm | 1120 |
| | Inch | 44 |
| Max Clamping Diameter | mm | 2800 |
| | Inch | 110 |
| Min Swing Diameter | mm | 3655 |
| | Inch | 144 |
| Tool Post Travel | mm | 102 |
| | Inch | 4 |
| RPM (max) | | 12 |
| Pneumatic drive available? | | Yes |
| Hydraulic option available? | | Yes |
| Number of feed settings | | 6 |
| Output | kw | 3 |
| | hp | 4 |
| Air supply needed @ 90 psi | m³/min | 2.89 |
| | cfm | 102.4 |

Facing feed rates & Grooves per inch

| Direction | Gear | mm/rev | Inches/rev | grooves/inch |
|------------|------|--------|------------|--------------|
| Out | 1 | 0.122 | 0.005 | 208 |
| | 2 | 0.191 | 0.008 | 133 |
| | 3 | 0.464 | 0.018 | 55 |
| In | 1 | 0.145 | 0.006 | 175 |
| | 2 | 0.227 | 0.009 | 112 |
| | 3 | 0.553 | 0.022 | 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 | 0.056 |
| In | 3 | 0.129 |

Machine Weight

| | Kg | lbs |
|---------------------------------|-----------|------------|
| Machine weight with base | 1375 | 3025 |
| Max base assembly weight | 206 | 454 |

Dimensions

| | Shipping Info | | | | | | | |
|------------------------|----------------------|-------------|--------------|-------------|---------------|-------------|---------------|------------|
| | Length | | Width | | Height | | Weight | |
| | cm | Inch | cm | Inch | cm | Inch | Kg | lbs |
| Box 1 (Machine) | 285 | 112 | 100 | 40 | 75 | 30 | 1050 | 2310 |
| Box 2 (Base) | 200 | 78 | 115 | 45 | 60 | 24 | 825 | 1815 |

PLEASE NOTE: Figures provided are for guidance only, please refer to individual tool charts. All data is given in good faith and without acceptance of responsibility on the part of HTL.

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