

# 3.000" I.D. to 14.000" O.D. (76.2 to 355.6 mm)

#### **Reliable Performance**

The H & S Model MFT is a combination of power, versatility and reliability in a compact package that allows a single operator to machine tube ends from 3.000" (76.2 mm) I.D. to 14.000"(355.6 mm) O.D.

Designed and built for on-site work, it performs equally well on standard and heavy wall materials. Custom H & S gearing ideally matches torque and cutter speed for smooth, accurate finished cuts. Electric motor power is available upon request.

To reduce the amount of weight being handled in a single lift, the centering mandrel can be installed in the pipe separately from the power unit. The mandrel locks the tool for torque-free operation and centers the tooling for accurate cuts. The power unit is then easily located on the center shaft.



Compact Design

MFT

- Torque-Free Operation
- Reliable Pneumatic, Hydraulic Or Electric Power
- Simple One-Person
  Operation
- Quickly Separates Into Two Pieces For Easy Handling



#### Specifications\*

Working Range
Pneumatic Motor
Recommended Air Pressure 90 PSI (6.1 Bar)
Recommended Volume
Speed 18 RPM
Electric Motor
Speed 0 - 32 RPM
Hydraulic Motor5.36 H.P. (4.0 kW)
Pump Reqirements 5.28 GPM @ 1740 PSI (20 lpm @ 138 Bar)
Speed 0 - 26 RPM
Travel
Radial Tool Clearance
Weight
Power Unit, Pneumatic
Power Unit, Electric
Center Shaft (Standard)
Length
* Specifications are subject to change without notice.

## **Internal locking**

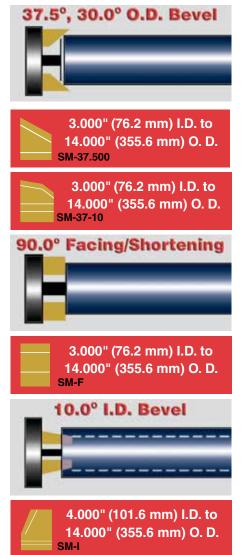


#### I.D. Range

Wedge Sets	Inches	ММ	Rod/ Shaft
3.000	3.000 - 4.000	76.2 - 101.6	Opt.
3.500	3.500 - 4.500	88.9 - 114.3	Std.
4.500	4.500 - 5.500	114.3 - 139.7	Std.
5.500	5.500 - 6.500	139.7 - 165.1	Std.
6.500	6.500 - 7.500	165.1 - 190.5	Std.
7.500	7.500 - 8.500	190.5 - 215.9	Std.
8.500	8.500 - 9.500	215.9 - 241.3	Std.
9.500	9.500 - 10.500	241.3 - 266.7	Std.
10.500	10.500 - 11.500	266.7 - 292.1	Std.
11.500	11.500 - 12.500	292.1 - 317.5	Std.
12.500	12.500 - 13.500	317.5 - 342.9	Std.

### Tooling

The tool holder is designed to accept a variety of tooling, enabling you to perform up to three operations at the same time.





# **Flange Facing**

The H & S Tool Model MFT is also available as a powerful. accurate flange facing machine with automatic horizontal indexing. Order it as a flange facer and the MFT is delivered ready to install the cutting blade and begin work. You can also order it with the standard machining attachments and order the flange facing package sent along to be converted later. The package comes complete with easy-to-follow, illustrated instructions. The MFT can face flanges up to 16.250" (609.6 mm) maximum working reach. Refer to the Flange Facing sheet for specifications and details.

Distributed by:

For machining elbows and in other applications where a higher degree of accuracy is required, specify the H&S elbow mandrels.

Locking

pads are

to reduce

materials.

also available

distortion on thin

wall, stainless and other

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