

## 8.000" I.D. to 30.000" O.D. (203.2 to 762.0 mm)

### Reliable Performance

The MFT-HD is a powerful, reliable I.D. mount end machining tool that will save you time and money for pipes from 8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D. The MFT-HD is compact and solidly built to withstand the abuse of production machining day after day, week after week.

Exclusive H&S gearing combines with variable speed control to produce the optimum speed for smooth, accurate cutting of different pipe sizes, wall thicknesses and materials.

A powerful 3.5 H.P. (2.6 kW) pneumatic motor is standard. Hydraulic power is an available option.

### VERSATILE

A full complement of standard and custom tooling is available to perform a wide variety of machining operations.



- 8.000" I.D. (203.2 mm) To 30.000" O.D. (762.0 mm)
- Reliable Pneumatic Power
- Hydraulic Power, Optional
- Torque-Free Operation
- Rental or Purchase

The machine can be ordered with a 24.000" [609.6 mm] tool plate or a 30.000" (762.0 mm) tool plate. The package includes lifting equipment for both horizontal and vertical installation in the pipe.



### Specifications\*

Working Range .....	8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D.
Pneumatic Motor .....	3.5 H.P.8.0 kW) (2.6 kW)
Recommended Air Pressure .....	90 PSI (6.1 Bar)
Recommended Volume .....	95 CFM (2.8 m <sup>3</sup> /min.)
Speed .....	0 - 3.5 RPM
Hydraulic Motor .....	10.72 H.P. (8.0 kW)
Pump Requirements.....	10.56 GPM @ 1740 PSI (40 lpm @ 138 Bar)
Speed .....	0 - 12 RPM
Travel .....	4.500" (114.3 mm)
Radial Tool Clearance	
24" Tool Plate.....	24.000" (609.6 mm)
30" Tool Plate.....	30.000" (762.0 mm)
Weight (Total) .....	275.0 lbs. (124.7 kg)
Power Unit.....	200.0 lbs. (90.7 kg)
Center Shaft.....	75.0 lbs. (34.0 kg)
Length.....	26.000" (660.4 mm)

\* Specifications are subject to change without notice.

## Internal locking



## Locking Pad Extension Plates

### I.D. Range

Wedge Sets	Inches	MM	Wedge Guide
8.000"	8.000 - 10.000	203.2 - 254.0	7.500"
10.000"	10.000 - 12.000	254.0 - 304.8	7.500"
12.000"	12.000 - 14.000	304.8 - 355.6	7.500"
14.000"	14.000 - 16.000	355.6 - 406.4	7.500"
16.000"	16.000 - 18.000	406.4 - 457.2	15.000"
18.000"	18.000 - 20.000	457.2 - 508.0	15.000"
20.000"	20.000 - 22.000	508.0 - 558.8	15.000"
22.000"	22.000 - 24.000	558.8 - 609.6	15.000"
24.000"	24.000 - 26.000	609.6 - 660.4	24.000"
26.000"	26.000 - 28.000	660.4 - 711.2	24.000"
28.000"	28.000 - 30.000	711.2 - 762.0	24.000"



## Accurate, Safe and Productive

The H&S internal locking pad system produces torque-free operation, enhancing operator safety and productivity. The clamp also automatically centers the tool in the pipe for accurate machining.

The locking system has three base plates to cover the full range of the machine. Aluminum extension plates have steel caps for maximum grip and durability.



Optional hydraulic motor shown.

Distributed by:

### 37.5°, 30.0° O.D. Bevel



8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D.  
HD-37.500

8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D.  
HD-3710

### 90.0° Facing/Shortening



8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D.  
HD-F

## Tooling

The tooling illustrated covers the standard range of 8.000" (203.2 mm) I.D. to 30.000" (762.0 mm) O.D.

The indexable tool holder is designed to accept a variety of tooling, enabling you to perform multiple operations simultaneously.

Tooling is made from high quality tool steel, carbide and titanium nitride coated materials. Tooling can also be custom manufactured for your special machining requirements. Contact the factory to discuss your special tooling needs.