

.500" I.D. to 3.000" O.D. (12.7 to 76.2 mm)

RELIABLE PERFORMANCE

The Wizard MHS is an industry-leading high speed machine for volume production tube beveling and facing as well as membrane removal of panel walls.

The unique H & S pneumatic motor is lightweight and compact yet delivers true performance on tubes up to 3.000" (76.2 mm) O.D. It is protected by U.S. patent numbers 7653997 and 7673549.

The cutting heads use quality replaceable carbide inserts with multiple cutting edges for increased usable insert life. The heads are centered in the tube with hardened steel pilots which are available in .020" (.506 mm) increments to accurately fit tube I.D.'s within the working range.



- **Up to 3.000" (76.2 mm) O.D.**
- **Weighs Just 7.0 lbs. (3.2 kg)**
- **Narrow Head To Fit Between Tubes And In Corners**
- **High Speed Beveling, Facing and Membrane Removal**
- **Rental Or Purchase**



Specifications*

Working Range.....	.500" (12.7 mm I.D. to 3.000" (76.2 mm) O.D.
Exclusive H & S Pneumatic Motor.....	4.0 H.P. (3.0 kW)
Recommended Air Pressure	90 PSI (6.1 Bar)
Recommended Volume	85 CFM (2.5m ³ /min.)
Speed	5,000 RPM
Length.....	14.000" (355.6 mm)
Radial Tool Clearance (less tool holder)	1.500" (38.1 mm)
Weight	7.0 lbs. (3.2 kg)

*Specifications are subject to change without notice.



PILOTS

Pilot O.D.		Pilot O.D.	
Inches	mm	Inches	mm
.500	12.7	1.660	42.2
.520	13.2	1.680	42.7
.540	13.7	1.700	43.2
.560	14.2	1.720	43.7
.580	14.7	1.740	44.2
.600	15.2	1.760	44.7
.620	15.7	1.780	45.2
.640	16.3	1.800	45.7
.660	16.8	1.820	46.2
.680	17.2	1.840	46.7
.700	17.8	1.860	47.2
.720	18.3	1.880	47.8
.740	18.8	1.900	48.3
.760	19.3	1.920	48.8
.780	19.8	1.940	49.3
.800	20.3	1.960	49.8
.820	20.8	1.980	50.3
.840	21.3	2.000	50.8
.860	21.8	2.020	51.3
.880	22.4	2.040	51.8
.900	22.9	2.060	52.3
.920	23.2	2.080	52.8
.940	23.9	2.100	53.3
.960	24.4	2.120	53.8
.980	24.9	2.140	54.4
1.000	25.4	2.160	54.9
1.020	25.9	2.180	55.4
1.040	26.4	2.200	55.9
1.060	26.9	2.220	56.4
1.080	27.4	2.240	56.9
1.100	27.9	2.260	57.4
1.120	28.5	2.280	57.9
1.140	29.0	2.300	58.4
1.160	29.5	2.320	58.9
1.180	30.0	2.340	59.4
1.200	30.5	2.360	59.9
1.220	31.0	2.380	60.5
1.240	31.5	2.400	61.0
1.260	32.0	2.420	61.5
1.280	32.5	2.440	62.0
1.300	33.0	2.460	62.5
1.320	33.5	2.480	63.0
1.340	34.0	2.500	63.5
1.360	34.5	2.520	64.0
1.380	35.1	2.540	64.5
1.400	35.6	2.560	65.0
1.420	36.1	2.580	65.5
1.440	36.6	2.600	66.0
1.460	37.1	2.620	66.5
1.480	37.6	2.640	67.1
1.500	38.1	2.660	67.6
1.520	38.6	2.680	68.1
1.540	39.1	2.700	68.6
1.560	39.6	2.720	69.1
1.580	40.1	2.740	69.6
1.600	40.6	2.760	70.1
1.620	41.1	2.780	70.6
1.640	41.7	2.800	71.1

37.5°, 30.0°

O.D. Bevel

Cutting

Heads



Membrane

Removal

Cutting Heads



Head Size	Inches I.D. - O.D.	MM I.D. - O.D.
HS 125.375	.500 - 1.375	12.7 - 34.9
HS 150.375	.700 - 1.500	17.8 - 38.1
HS 162.500	.500 - 1.700	12.7 - 43.2
HS 175.500	.700 - 1.750	15.2 - 44.5
HS 200.500	.840 - 2.000	21.3 - 50.8
HS 225.500	1.100 - 2.250	27.9 - 57.2
HS 250.500	1.340 - 2.500	34.0 - 63.5
HS 275.500	1.600 - 2.750	40.6 - 69.9
HS 300.500	1.840 - 3.000	46.7 - 76.2

Head Size	Inches I.D. - O.D.	MM I.D. - O.D.
HSM .875	.875	22.2
HSM 1.000	1.000	25.4
HSM 1.125	1.125	28.6
HSM 1.250	1.250	31.8
HSM 1.375	1.375	34.9
HSM 1.500	1.500	38.1
HSM 1.750	1.750	44.5
HSM 2.000	2.000	50.8
HSM 2.125	2.125	54.0
HSM 2.250	2.250	57.2
HSM 2.375	2.375	60.3
HSM 2.500	2.500	63.5
HSM 2.750	2.750	69.9
HSM 3.000	3.000	76.2

90.0° Facing

Cutting

Heads



Head Size	Inches I.D. - O.D.	MM I.D. - O.D.
HSF 150.375	.500-1.625	12.7 - 41.3
HSF 200.500	.500 - 2.000	12.7 - 50.8
HSF 250.500	1.040 - 2.500	26.4 - 63.5
HSF 300.500	1.500 - 3.000	3.81 - 76.2

Distributed by:

Note: When ordering pilots for membrane removal cutting heads, add the prefix "M" to the pilot size (i.e. M1.260).