

## Monaset tool and cutter grinder Statement of Requirements

- 1 Machine must include: Wheel head Tooth rest Assembly with Extension Bar, Grinding Wheel Guards with Extension Bar, Front Stock Support, Set of 5 Grinding Wheel Flanges (4 Standard & 1 Extension Flange), Diamond Holder Bracket, Wrench for Work Head, Tooth Rest Centering Gauge, Adjustable Tailstock Support Unit, Spanner for Grinding Wheel, Standard Arbor, One Shot Lube System, Double-end Spanner, Set of 4 Index Plates for Spiral Lead Mechanism (0,8,10 & 12 Divisions), Halogen Work Light, Leveling Blocks, Machine specific maintenance tools. Operation Manual.

- 2 Minimum Machine Specifications:

Capacity Workhead:

Swing over main slide, max dia	12"
Collet work dia., max/min	1.25"/0.12"
Lead generated by spiral lead mechanism, min	1.81"
Length between spindle nose and tail center, max	6"

Wheelhead:

Grinding Wheel dia. Max	4"
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Range Workhead:

Main slide travel	5.75"
Offset slide travel, total	5.25"
-Front of center	3"
-Rear of center	2.25"

Workhead angular Adjustment:

Horizontal plane (turntable base)	235 degrees
Vertical plane,	
- Above center	40 degrees
- Below center	40 degrees

Wheelhead:

Longitudinal slide travel	6"
Vertical slide travel, total	9.50"
-Above center	4.50"
-Below center	5"
-Cross slide travel, total	7.50"
-Front of center	3"
-Rear of center	4.50"

Spindle Speeds:

(+/-0%,-8% variation allowable)	
Workhead speed	436 RPM
Wheelhead, three speeds	4000, 5729 and 8000 RPM

Motors, Electric:

Workhead drive, AC, reversing	¼ hp
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Wheelhead drive, AC

½ hp

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