

# CM-2 Cutter Grinder

Technology

Creativity

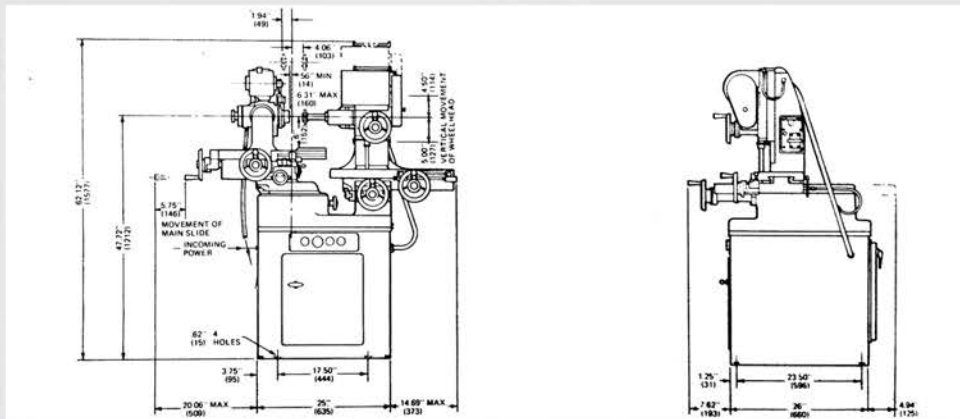
Reliability

Success



**KENT**<sup>®</sup>  
**USA**

<b>Capacity</b>		
<b>Workhead--</b>		
Swing over main slide, max dia	304mm	12"
Collet work diameter max	30mm	1.25"
min	3mm	0.12"
Lead generated by spiral lead mechanism, min	45mm	1.81"
Lead between spindle nose and tail center, max	152mm	6"
<b>Wheelhead--</b>		
Grinding wheel dia, max	100mm	4"
<b>Range</b>		
<b>Workhead--</b>		
Main slide travel	146mm	5.75"
Offset slide travel, total	133mm	5.25"
-front of center	76mm	3"
-rear of center	57mm	2.25"
<b>Workhead angular adjustment--</b>		
Horizontal plane (rurmatable base)		235j
Vertical plane, above center		40j
below center		40j
<b>Wheelhead--</b>		
Longitudinal slide travel	152mm	6"
Vertical slide travel, total	241mm	9.50"
-above center	114mm	4.50"
-below center	127mm	5"
Cross slide travel, total	190mm	7.50"
-front of center	76mm	3"
-rear of center	114mm	4.50"
<b>Spindle Speeds</b>		
Workhead, one speed		436rpm
Wheelhead, three speeds		4000, 5729, 8000 RPM
Motors, Electric		
Workhead drive, AC	1/4HP	0.186kw
Wheelhead drive, AC	1/2HP	0.373kw
<b>Floor Space and Weight</b>		
Area of base only	635mm x 660mm	25"x26"
Area required for machine	1524mm x 1701mm	60"x67"
Height from floor to center of workhead spindle	1212mm	47.72"
Height, overall with wheelhead raised	1517mm	62.12"
Net weight	691kg	1525lbs





# Standard Accessories

- |   |  |
|---|--|
| 1. Wheelhead toothrest assembly with extension bar  | 8. Wrench for workhead   |
| 2. Grinding wheel guards with extension bar   | 9. Toothrest centering gauge.  |
| 3. Front stock support  | 11. Adjustable tailstock support unit.   |
| 4. Straight cylindrical collets:<br>(Please select "A" or "B")<br>(A) metric sizes: 6, 8, 12, 16, 20, 25 & 32mm<br>(B) inch sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 & 1 1/4"<br>Also including set of 3 taper collets:<br>No. 2, 3, 4 morse taper | 12. Spring-loaded index pawl for workhead index plates.<br>13. Levelling blocks<br>14. Standard arbor<br>15. Screw drive<br>16. Set of wrenches.<br>17. Double-end spanner |
| 5. Additional diamond truing tool with diamond nib.   | 18. Set of (4) index plates for spiral lead Mechanism 0, 8, 10 & 12 divisions.   |
| 6. Set of (5) grinding wheel flanges.<br>(4) standard and (1) extension flange.   | 19. Tool box<br>20. Oil bottle   |
| 7. Diamond holder bracket   |  |



Screw slot surface grinding



Screw angular grinding



Milling cutter end grinding



Grinding outer diameter



Formed milling cutter grinding

# Optional Attachment

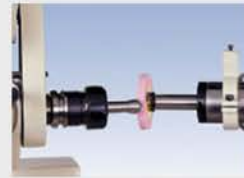
- |   |
|---|
| 1. Large cutter radius grinding attachment.   |
| 2. Four-inch universal six-jaw chuck for workhead.  |
| 3. Additional index plates for spiral lead indexing unit. (Please indicate your sizes of specification) |
| 4. Grinding wheel flange for mounting grinding wheel with 1/2" hole                                     |
| 5. Additional straight cylindrical collets. (Please indicate your sizes of specification)               |
| 6. Set of (3) taper collects: No: 5, 7 & 9<br>Brown and Sharpe (Available for U.S.A. only)              |



Side milling cutter grinding



Centering device



ARC grinding



Vertical milling cutter grinding



Drill bit grinding



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