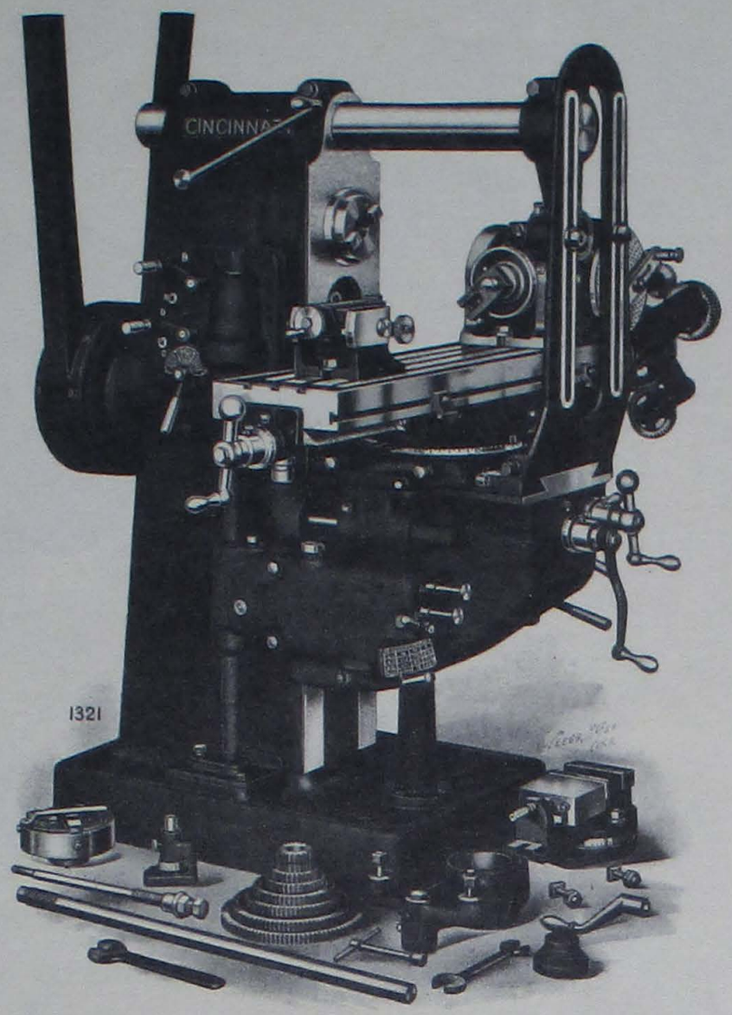


## No. 2 M Universal Cincinnati Miller

WITH CONSTANT SPEED DRIVE



Range—28″ x 10″ x 18″ All power feeds

**Equipment**—Dividing Head, change gears, segment, 6″ chuck, steady rest, swivel vise, two arbor supports with adjustable bushings, adjustable arbor tightening rod, adjustable sheet metal belt guard (not shown), collet No. 463, No. 14 to No. 0, arbor ejector, oil pot and wrenches.

### CODE WORDS

| | |
|---|---|
| Belt-driven machine | Meddu |
| Belted motor-driven machine | Memot |

THE CINCINNATI MILLING MACHINE COMPANY

# No. 2 M Universal Cincinnati Miller

WITH CONSTANT SPEED DRIVE

### SPECIFICATIONS

**Table**—Working surface 49″ long by 10½″ wide, has three ⅝″ T-slots, oil channels on sides, oil pockets on ends and is 52¾″ long by 10½″ wide over all. Hand quick traverse.

**Table Swivels**—48° right or left for cutting spirals.

**Range**—28″ longitudinal, 10″ cross, 18″ vertical, all power feeds.

**Dividing Head**—Swings 10″, takes work 29″ long. Indexes all numbers to 60, all even numbers and those divisible by 5 to 120; index table lists all divisions obtainable to 400. Plate for direct indexing low numbers on front end of spindle.

**Driving Pulley**—12″ diameter, 2″ belt, 600 r. p. m., clutch controlled by lever from front of machine. Brake automatically stops spindle when clutch is disengaged. Driving belt is guarded.

**Motor Recommended**—5 h. p. constant speed, Belted Motor Drive. Any motor running not faster than 1,800 r. p. m. may be used.

**Spindle**—3¾″ in diameter in front bearing, No. 14 B. & S. taper hole, 1 1/16″ diameter hole through. Made of chrome nickel steel and runs in babbitted bearings adjustable for wear. Cincinnati Standard Flanged End.

***Spindle Reverse**—A spindle reverse in the machine can be supplied as an extra attachment, on special order.

**Spindle Speeds**—12 in number: 20, 27, 35, 46, 61, 82, 102, 137, 183, 234, 316 and 419 revolutions per minute. All changes made through sliding gears. No tumbler. All gears and shafts hardened. Direct reading index plate.

**Full Width**—25″ between face of column and braces.

**Overhanging Arm**—3¾″ in diameter. Its under side is 6⅛″ from center of spindle.

**Arbor Supports**—There are two supports supplied, one with a bronze bush at end and one with an adjustable sleeve bearing anywhere along length of arbor.

**Arbors**—No. 112, 1″ in diameter by 8″ long included with machine and No. 118, 1¼″ in diameter by 20″ long, sent on approval.

**Feeds**—Positive. Driven by gears and shafts completely protected. Twelve changes in geometric progression ranging from ½″ to 20″ per minute. (A feed of 5/16″ to 12″, or ¾″ to 30″ per minute can be obtained by substituting the proper pair of change gears furnished on special order.) All changes made through sliding gears from front of machine. No tumbler. All gears and shafts hardened. Overload releasing device for protection of feed machanism.

**Self-Oiling**—For all mechanism in column. Centralized oiling from six stations for all other mechanism and bearings.

**Cutter Lubricant Pump**—A centrifugal pump of 5 gallons capacity can be supplied on special order.

**Vise**—Cincinnati No. 3-C Swivel Vise, 6⅛″ wide, 1⅝″ deep and 3¼″ opening. Can also be used as plain vise.

**Chuck**—6″—3 Jaw Universal Milling Machine Chuck.

**Floor Space**—62½″ x 102″ in line with lead screw to permit extreme limits of table travel.

### SHIPPING DATA

| Machine | Net Weight | Gross Wght. Domestic | Gross Wght. Export | Size Case | Cubic Feet |
|---|---|---|---|---|---|
| Belt-driven | 3,000 | 3,600 | 3,775 | 58″ x 66″ x 38″ | 84 |
| Belted motor-driven, exclusive of motor | 3,200 | 3,800 | 3,975 | 58″ x 66″ x 38″ | 84 |

**Note**—Countershaft is not required. Machine can be driven direct from line shaft. When this is not feasible, or when spindle reverse is required, we can supply a geared reversible countershaft as an extra attachment.