

SPECIFICATIONS

Capacity for form rolling involute splines: PA DP Number of teeth Maximum rolling depth	30° Minimum 16/32 Maximum 6 through 96 0.100"
Capacity for finish rolling involute gears: Form Helix angle (helical gears) PA DP	Spur or helical No limit 14½° or greater 10 Maximum
Capacity for form rolling threads or worms	No specific limits*
General work capacities: Diameter	¼" to 3"
Face	2" Standard (Up to 4" available on special)
Overall work length	No specific limit**
Die carriage travel (each)	4" maximum
Work carriage travel	37/8" maximum
Distance, work-center-to-die-center	5½" minimum
Die OD range	9" to 11"
Work spindle speed	22.3 to 1200 RPM
Die spindle speed	6.7 to 30 RPM
Feed cam speed	0.06 to 18 RPM
Main drive motor	15-HP, 1800-RPM, 3-phase A-C
Floor space	Approximately 9½' x 9½'

*Any thread or worm specification which can be incorporated in the dies can be rolled into the work, subject to the general limitations for spline and gear rolling.

**Machine can accommodate any reasonable work length. Work spindle has a 2" center hole which permits long work (up to 2" in diameter) to be loaded from the rear, and the tail center can be re-located.

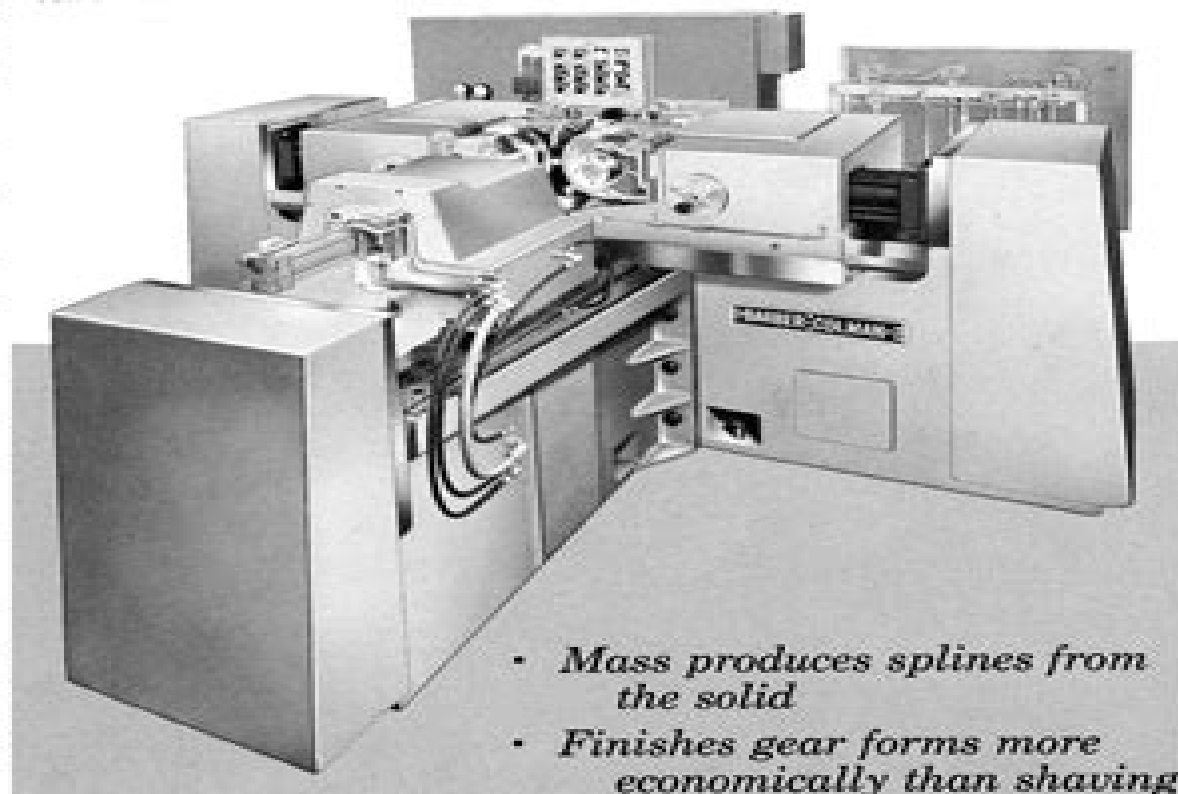
New . . . from Barber-Colman **No. 3-2 Rolling Machine**

All the benefits of rolling . . . speed, long tool life, stronger produced parts with finer finish and greater hardness, excellent part-to-part duplication, and, especially important, the accuracy which finish rolling can impart to hobbed gears . . . all these are provided in the new Barber-Colman No. 3-2 rolling machine.

A machine for rolling splines and spiral forms from the solid, and for finish rolling gears, No. 3-2 operates by means of two opposed hydraulic cylinders which drive rotating cylindrical dies into the workpiece under heavy pressure, imparting the desired form. Gradual infeeding is provided by a cam interposed between the two die spindle carriages which, for maximum flexibility, is independently controlled. The work blank may be driven in an indexed relationship to the die spindles. A unique oscillating motion has been provided whereby the piece is rolled alternately in both directions to produce more symmetrical teeth.

With the No. 3-2, the workpiece is held rock-steady on centers, not in bushings. And No. 3-2 is versatile. It can finish roll either spur or helical gear forms, and can roll either solid or hollow stock. Cycling is fully automatic; loading and unloading can be automated for any given part. Construction features include precision drive to die and work spindles, adjustable back-lash take-up, re-circulating way bearings, fully automatic lubrication, constant-load spindle braking which keeps out "slack" for greater accuracy.

For full details and help with your application, contact your Barber-Colman representative.



- *Mass produces splines from the solid*
- *Finishes gear forms more economically than shaving*

Barber Colman Series 15 Manual

M Carnoy



Barber Colman Series 15 Manual:

Barber Colman Series 15 Manual: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have captivated audiences this year. Barber Colman Series 15 Manual : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Barber Colman Series 15 Manual : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Barber Colman Series 15 Manual : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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