



(Lamps not included.)



MADE.

ORNAMENTAL ROSE ENGINE

Introducing the MADE. Ornamental Rose Engine, a modern ornamental lathe.

The MADE. lathe is styled, and functions, similar to the machines employed during the Victorian era, however it offers modern enhancements in design, construction, performance and usability over the machines of the 19th Century.

What sets the MADE. Ornamental Turning Rose Engine apart from all others is its unique suitability to perform **fixed-tool** rose engine work. The guiding principle behind the design and construction of the MADE. lathe was for the machine to be able to perform this type of work. Fixed tool cutting adds a dimension to the art of Ornamental Turning that is astounding and beautiful.

In order to execute fixed-tool cuts in exotic hardwoods, the mass and rigidity of the bed and headstock, as well as the strength of the rubber-tower and spring system, have to be of a significant magnitude and properly designed. Possessing this mass and rigidity, the MADE. lathe also lends itself well to engine turning or guilloché. For this reason, engine turning rosettes are used as spacers for the wood-working rosettes.



MADE. Rose Engine Standard Specifications

- Swing 12" x 24"
- #2MT screw feed tailstock
- Solid cast iron bed
- Twelve quarter double mahogany frame
- 9-drawer chest-of-drawers
- 75 lb. cast iron, leaf and coil spring rocking headstock
- 5C, leaf spring pumping spindle riding in oil ported bronze
- Iron V belt flywheel with belt tensioning apparatus
- Hand cranking frame
- High amplitude rosettes, standard barrel (10)
- Low amplitude engine turning rosettes (10)
- Iron overhead standards with 1-1/2" diameter crossbar
- Spindle drive, cutting frame and auto-feed cranes
- Variable speed controls for each motor
- Backboard positioned DC motor control cabinet w/ spare outlets
- 10" ornamental / auto-feeding curvilinear slide rest and cradle
- 96, 120, 144, 180 space plain indexing ring and detent
- 12-division drum dial worm phasing
- Hardinge metal turning slide rest on adapter



MADE. Rose Engine Optional Equipment (available soon)

- Hardinge slide rest ratchet feed
- Auxiliary rosette holder for two rosettes, with phasing
- Eccentric chuck with ratchet
- Elliptical chuck and cam ring
- Dome / oblique chuck
- Straight line chuck
- Leveling chuck
- Paper chuck and pen holder
- Spiral apparatus with change gears
- Rocking tailstock assembly
- Spherical slide rest
- Screw threading guide and chaser set
- Segment ring and stop assembly
- Custom pattern rosettes
- Steel curvilinear slide template sets



The MADE Rose Engine is a joint venture between Lindow Machine Works and Columbus Machine Works. Please contact David Lindow or Mike Stacey for more information.

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About Ornamental Turning

Ornamental turning and engine turning is a decorative wood cutting or engraving technique creating precise, intricate geometric patterns which are mechanically derived and machined into wood, plastic or engraved into metal products (guilloché), with very fine finish and detail. The mystery in the final design lies in the illusion created by altering the orientation of repetitive cuts of a singular pattern.

Ornamental turning originated in the 1500s, proliferating with European nobility. It was practiced commonly for pastime and profit thru the early 1900s to the end of the Victorian era to decorate a myriad of personal items such as top-of-the-line pocket watches, pens, lighters, cigarette cases, jewelry boxes, snuffboxes, hair and money clips, combs, wine goblets, furniture details, moulding and mosaic tiles and molded parts via the mold cavity.

The impact of WWI nearly extinguished the craft entirely. Post-war, product trends and manufacturing entered the machine age giving rise to a new aesthetic of the time. Today, this mechanical art is experiencing a revitalization due to the ready availability of information about this gratifying art form's techniques, materials, history and equipment.