

"I have printed over 20,000 prints with my E-12 Etching press and it still prints like the day I got it."

Dan Welden - Author, Printmaking in the Sun / Artist / Master Printmaker

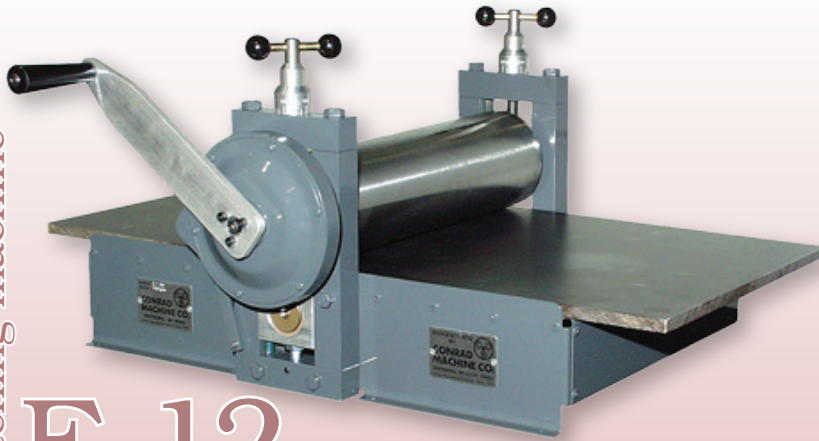


Conrad Machine Co.

The World's Finest Printmaking Presses since 1956

Etching machine

E-12

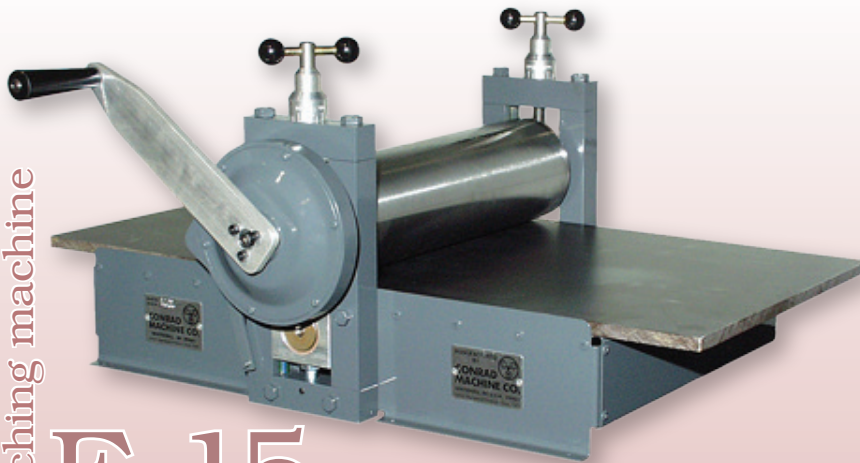


Specifications

- Overall Dimensions: 24" L x 22.5" W x 14" H
- Hand Crank: 10" Throw Aluminum
- Star Wheel: 34" diameter
- Upper Roll:
7.6 cm/ 3" (standard) | 11.5cm/ 4.5" (optional)
- Bed:
 - + Composite Bed: 12" x 24" x 1/2" - 7.5 lbs.
 - + Steel Bed: 12" x 24" x 3/8" - 31 lbs.
 - + Aluminum Bed: 12" x 24" x 3/8" - 11 lbs.
- Shipping Weights: 83 lbs. - less bed

Etching machine

E-15



Specifications

- Overall Dimensions: 30" L x 25" W x 14" H
- Hand Crank: 10" Throw Aluminum
- Star Wheel: 34" diameter
- Upper Roll:
11.5cm/ 4.5" (optional) | 15cm/ 6" (optional)
- Bed:
 - + Composite Bed: 15" x 30" x 1/2" - 11.5 lbs.
 - + Steel Bed: 15" x 30" x 1/2" - 40 lbs.
 - + Aluminum Bed: 15" x 30" x 1/2" - 22 lbs.
- Shipping Weights: 98 lbs. - less bed

What makes the quantity of Conrad E-12/ E-15?

Planetary reduction drive

The most remarkable feature of the E-12 etching press is the Planetary reduction drive. Torque from the 10 inch throw aluminum hand crank is multiplied in the fully enclosed geared planetary reducer. The ideal 6:1 ratio to provides smooth and easy operation under the heaviest pressure. This type of press drive, developed by Conrad Machine Co. in 1959, is a proven design concept. The Planetary reduction drive has provided trouble free service over the past 50 years on thousands of etching presses, ranging in width from 12 inches to 50 inches.

Etching Press Rolls and Bearings

The Upper Roll is spring counter balanced to maintain height adjustment whether or not the roll is in contact with your work. We only use large 1.5 inch diameter roll bearings. These high quality bearings are rated at well over five times the maximum pressure encountered in normal printing! Both the upper and lower rolls on the E-12 etching press are precision machined from three inch diameter, solid steel. The E-12 rolls assure precise and deflection free printing. Options include an oversize 4.5 inch diameter upper roll or 3 inch diameter solid Aluminum Alloy Rolls. The E-15 etching press comes with a 3 inch diameter solid steel lower roll and a 4.5 inch diameter

Etching Press Micro-Gauges

Most small presses are not even available with Micro-Gauges. The small presses that do offer micro-gauges use a scale type design that

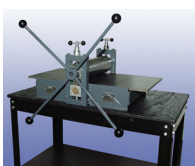
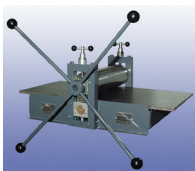
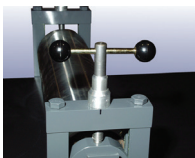
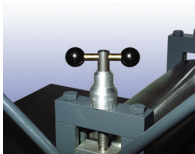
is inferior to a barrel-thimble design. Conrad Machine Co. offers a barrel-thimble Micro-Gauge that is calibrated to .005 inch per line. This means that you can adjust each pressure screw by about the same thickness as a human hair! The Conrad Machine Co. Micro-gauges are the very best in the printmaking industry.

Etching Press Bed plates

There are many different views of what material makes the best bed plate; to a large extent, we feel it is a matter of personal preference. Therefore, we offer three different types of bed plate material. The standard bed plate is made from half inch thick Benelex. Benelex is a high density lignin-resin laminate, having a compressive strength of 29,000 P.S.I. This material is only a sixth the weight of steel. The optional bed plates are steel or aluminum alloy. Please see the options or pricing section in our catalog for more details about optional beds.

Etching Press Base and Frame

The base of the press is formed of 16 gauge electrogalvanized sheet steel. The steel sheet is riveted together to form a sturdy box section that is resistant to twisting and tipping. Unlike many of our competitors' presses, the base extends the full length (24 inch) of the bed plate. The Vertical Frame is constructed of one inch square, high tensile aluminum. The aluminum provides maximum strength with a minimum weight. The frame, pressure screws, bearing blocks, and lower roll adjusting screw all share a common centerline to eliminate twisting or bending of the frame under high printing pressure.



25
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WARRANTY

25 years Warranty! All Conrad Machine Co. Presses come with the industry's best 25-Year Warranty. We believe in our products, so much so, that we will repair or replace any defects in years of the life of your press.