Dear Printmaker,

I am proud to introduce our new 2010 catalog. This year is a historic year in Conrad Machine's history; it marks our 65-year anniversary. Conrad Machine Co. was founded by my father and uncle, Earl and Robert Conrad, in 1945 with assistance from my grandfather, Hveding Conrad. Fresh out of WWII, my father and uncle started the company with little more than ideals and the American dream. In 1956, we began manufacturing our first printmaking presses. Today, we are recognized around the world as one of the oldest manufacturers of fine art printmaking presses as well as the oldest manufacturer in North America.

Conrad Machine Co. is proud to manufacture 6 different lines of presses. We do not, by and large, sell peripheral materials like other companies. Instead, we concentrate our time, energy, and engineering abilities on manufacturing the world's finest printmaking presses. We offer more lines of presses than any other press company. Our selection allows you to pick the press that best fits your wants, needs, and price range.

The Conrad Machine Co. line of presses includes tabletop and floor model etching, combination, monotype, and lithography presses. These presses have proven to be popular in both the studio and educational settings.

In addition to our Conrad Machine Co. press line, we have added the world-renowned American French Tool press line in 1999. Andre Beaudoin, American French Tool's founder, designed and built these elegant and graceful etching presses for nearly 30 years in Coventry, Rhode Island. Their agile design and stunning performance are unsurpassed in the printmaking industry.

Recently, in 2007, we added the complete line of Rembrandt fine art presses. This line, designed by John Graves, has proven itself over the past 35 years, with its efficient and well-built design, to be very popular among printmakers.

Our newest line of presses is the Brand New line. This line is designed after the Charles Brand style of presses. If you loved Charles Brand presses, you will love the Brand New line.

Conrad Machine Co. is not only celebrating our 65-year anniversary, we are also celebrating more than 50 years of building the finest printmaking presses in the world. Because of our level of commitment to higher quality and better performance, we have decided to increase our press warranty. All Conrad Machine Co. manufactured presses now carry a 25-year warranty. This warranty sets a benchmark; no other press manufacturer offers a better, full 25-year warranty on their printmaking presses.

We invite you to compare our presses to any in the world. We are confident you will see that our commitment to quality, large variety, and you, the printmaker, is unmatched. Please visit our new website to get more detailed information about all of our presses and our company.

Thank you for all of your support throughout the last 56 years. We would not have been able to achieve this milestone without the loyal support and following of our printmaking family.

Sincerely,

Tom Conrad,
President, Conrad Machine Co.
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25yr 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 materials or workmanship for the first 25 years of the life of your press.

Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the U.S.A.

www.conradmachine.com  www.americanfrenchtool.com  Phone: 231-893-7455  Fax: 231-893-0889
Small professional presses with the features and quality demanded by the Professional Artist, yet built to withstand the rigors of classroom use in printing Etchings, Woodcuts, Collographs, and Monoprints.

**Planetary Series 1 Geared Reduction Drive - 6 to 1**

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 to 1 ratio 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 to 50 inches.

**Base and Frame**

The base of the press is formed from 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”) of the bed plate. The Vertical Frame is constructed of one inch square, high tensile aluminum. The aluminum provides maximum strength with minimum weight. The frame, pressure screws, bearing blocks, and lower roll adjusting screw all share a common center line to eliminate twisting or bending of the frame under high printing pressure.

**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 materials. The standard bed plate is made from a 1/2” thick composite. This composite is a high density lignin-resin laminate, having a compressive strength of 29,000 P.S.I. This material is only 1/6 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.
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” 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” diameter upper roll or 3 1/2” diameter solid Aluminum Alloy Rolls. The E-15 etching press comes with a 3” diameter solid steel lower roll and a 4.5” diameter steel upper roll.

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” 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.

Options

- **Roll Materials:** 3” diameter Solid Aluminum Alloy Rolls - Saves 30 lbs. (E-12 only).
- **Roll Sizes:** 4.5” diameter extra large oversize upper roll (E-12 only, this size is standard on E-15).
- **Bed Plates:** Steel or Aluminum Alloy Bedplate.
- **Micro-gauges:** calibrated to .005” per line-very precise.
- **Star Wheel:** 34” diameter (in place of Hand Crank).
- **Chrome:** chrome plated upper roll.
- **Steel Stand/ Work bench.**

**Specifications:**

**E-12**
- Overall Dimensions: 24”L x 22.5”W x 14” H
- Hand Crank: 10”Throw Aluminum
- Upper Roll: 3” diameter standard
- Composite Bed: 12” x 24” x ½” - 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. with steel rolls- less bed

**E-15**
- Overall Dimensions: 30”L x 25”W x 14” H
- Hand Crank: 10”Throw Aluminum
- Upper Roll: 4.5” diameter standard
- Composite Bed: 15” x 30” x ½” - 11.5 lbs.
- Steel Bed: 15” x 30” x ½” - 40 lbs.
- Aluminum Bed: 15” x 30” x ½” - 22 lbs.
- Shipping Weights: 98 lbs. - less bed
Conrad E-18 & E-24

“I have been working with presses manufactured by the Conrad Machine Company since 1976. I have used them as a student, a college professor, and as a professional printmaker. As a college professor, I have seen the use, and abuse, that presses take in a printmaking studio and Conrad presses not only withstand this constant use but have given me years of trouble-free service. As far as I am concerned, this is one of the best tests of any piece of studio equipment. Conrad presses are reliable, extremely durable, and easy to operate. The quality of prints pulled on these presses is outstanding.”

- John Roberts, Professor of Art, Keene State College

Planetary Series-1 Geared Reduction Drive- 6 to 1

The most remarkable feature of the E-18 etching press is the Planetary reduction drive. Torque from the 10” throw aluminum hand crank is multiplied in the fully enclosed geared planetary reducer. The ideal 6 to 1 ratio 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” to 50”. (Shown in picture above)

Twin-Torque Drive

After years of testing, Conrad Machine is proud to introduce the unique Twin-Torque Drive. This drive is the only hand drive on the market today that enables the printmaker to choose a gear ratio suited to his medium. Take your choice of 5, 10, 15, 20 or 25 to 1 gear ratios driving through a fully enclosed, self-contained double reduction planetary gear drive. No chains means no misalignments. This drive is mounted directly on the roll. Don't settle for something less than the best. Options include a star wheel in place of a hand crank. (Shown above on a C-25)

Planetary Series-2 Geared Drive

One of the most important components of any press is its drive. Conrad Machine Co. has developed three sizes of planetary gear drives for all sizes of etching presses. Gear drives are superior to chain drives, requiring no adjustments for the life of the press. With a gear driven press, the artist can enjoy smooth and effortless printing under heavy pressure with no transitional pull coming off a plate. Conrad Machine Co. is the only press manufacturer to use this planetary gear technology. This proven design has been used on thousands of presses we have built over the past 56 years. The Series-2 drive is used on our E-24, E-28, E-30, E-31, and E-37 etching presses.

Base and Frame

The base of the press is formed from heavy gauge sheet steel. The heavy gauge steel is riveted together to form a sturdy box section that is resistant to twisting and tipping. Unlike many of our competitor's presses, the base extends the full length (36” or 48”) of the bed plate. The vertical frame is constructed of solid square steel. The frame, pressure screws, bearing block, and lower roll adjusting screw all share a common center line to eliminate twisting or bending of the frame under high printing pressure.

Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the U.S.A.

www.conradmachine.com www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
ETCHING PRESS

Motor Drive (E-24 only)
For those printmakers running large editions or for those who would like effortless printing, we offer a motorized press option. Some printmakers prefer a motor driven press because the motor can deliver a constant speed throughout any edition size and never get tired. We offer a 1/2 H.P. motor that runs on standard house current, 115 volt. Safety features include roll guards, bed stops, an instant reverse motor with power indicator light, and a keyed power lock out switch. The E-24 etching press motor drive option is different from our other motorized presses. The motorized E-24 press retains its hand drive. The hand drive can be disconnected and the motor drive engaged with one pull of the lever. To engage the hand drive and disengage the motor drive, just push in the lever.

Rolls and Bearings
The upper roll is precision machined from steel and is spring counter balanced. The E-18 upper roll is 4.5” in diameter and the E-24 upper roll is 6” in diameter. Lower rolls on both presses are adjustable for height and bed plate teeter. The E-18 lower roll is precision machined from 3.5” solid steel, while the E-24 lower roll is precision machined from 4” solid steel. We only use large 1.5” diameter roll bearing journals on both the E-18 and E-24 presses. These high quality, self-aligning, anti-friction bearings insure smooth and easy operation under the most severe printing conditions.

Micro-Gauges
One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005” per line. This means 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.

Options
- Bed plates: Steel or Aluminum Alloy 3/4” thick.
- Oversized rolls: 6” diameter upper roll (E-18).
- Micro-gauges: calibrated to .005” per line - very precise.
- Star wheel: 34” diameter Star Wheel (in place of Hand Crank).
- Chrome: chrome plated upper roll.
- Extended bed plate: 40” bed for E-18.
- Motor Drive: 112 H.P., 110/220 v., 60 or 50 Hertz, with key lock out and power indicator light (E24 only).
- Bed plate protection: clear lexan bed cover to protect bed plate from inks and water.
- Dust cover: Black nylon dust cover with elastic draw string.
- Steel Stand: E-18: 39 1/2” x 22 1/2” x 29 1/2”
  E-24: 59 1/2” x 29” x 29 3/4”
- Casters: Set of 4 removable all-swivel, all-locking casters.

Specifications:
Overall Dimensions: E-18- standard
Hand Crank: 36”W x 30.25”L x 18”H
Star Wheel: 10”Throw Aluminum
Upper Roll: 34” diameter
Composite Bed: 4.5” diameter standard
Steel Bed: 6” diameter optional
Aluminum Bed: 18.75” x 44” x 3/4” - 26 lbs.
Shipping Weights:

E-18- standard
36”W x 30.25”L x 18”H
10”Throw Aluminum
34” diameter
4.5” diameter standard
6” diameter optional
20.75” x 44” x 3/4” - 26 lbs.
18” x 36” x 3/4” - 140 lbs.
287 lbs. less bed

E-24- standard
53.5”W x 36.25”L x 19”H
10”Throw Aluminum
34” diameter
6” diameter standard
7.5” diameter optional
24.5” x 53” x 3/4” - 270 lbs.
24.5” x 53” x 3/4” - 95 lbs.
500 lbs. - less bed

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CONRAD E-31 & E-37

Planetary Series-2 Geared Reduction
Drive 6 to 1

One of the most important components of any press is its drive. Conrad Machine Co. has developed three sizes of planetary gear drives for all sizes of etching presses. Gear drives are superior to chain drives, requiring no adjustments for the life of the press. With a gear driven press the artist can enjoy smooth and effortless printing under heavy pressure with no transitional pull coming off a plate. Conrad Machine Co. is the only press manufacturer to use this planetary gear technology. This proven design has been used on thousands of presses we have built over the past 56 years. The Series-2 drive is used on our E-24, E-28, E-30, E-31, E-37 presses.

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 materials. The standard bed plate is made from 3/4” thick composite laminate, having a compressive strength of 29,000 P.S.I. This strong material is also light weight: only 1/6 the weight of steel. The E-31 and E-37 can also be ordered with optional precision ground steel or aluminum alloy bed plates.

Base and Frame

The base of the press is formed from heavy gauge sheet steel. The heavy gauge steel is riveted together to form a sturdy box section that is resistant to twisting and tipping. The vertical frame is constructed of solid square steel. The frame, pressure screw, bearing block, and lower roll adjusting screw all share a common center line to eliminate twisting or bending of the frame under high printing pressure.

“Our Conrad Etching press... that Missouri Western State College purchased in the spring of 1968... has held up remarkably well considering it was in constant use each semester and for many summer semesters as well. During this time we have successfully printed many intaglio plates, linocut blocks, and monoprints on the press. It has been a workhorse in our Printmaking program for over 40 years and is still being used today and will be long after I have retired.”

- John T. Hughes
Associate Professor, Art
Missouri Western State College

25 YR 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 materials or workmanship for the first 25 years of the life of your press.
ETCHING PRESS

Large Heavy Duty Tabletop Presses featuring Conrad Planetary S-2 Geared Reduction Drives

"I just wanted to tell you how pleased I am with my press. I pull about 1,000-1,500 etchings per year. The press performs equally well on my most delicate aqua-tints, or boldest line work. As far as I'm concerned, the performance of this press is unmatched, and at considerable savings."

- John Akers
Artist/Printmaker

Rolls and Bearings

The upper roll is precision machined from 7 1/2" diameter steel and is spring counter balanced. Lower rolls on both presses are adjustable for height and bed plate teeter. The lower roll is precision machined from 4 1/2" solid steel. We only use large 2" diameter bearings on these two presses. These high quality, self-aligning, anti-friction bearings insure smooth and easy operation under the most severe printing conditions. These bearings are rated at 20,000 P.S.I. each—many times over the maximum pressure encountered in normal printing.

Micro-Gauges

One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005 inch per line. This means 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.

Options

- **Bed plates**: Steel or Aluminum Alloy 3/4" thick.
- **Micro-gauges**: calibrated to .005" per line - very precise.
- **Star wheel**: 34" or 48" diameter Star Wheel.
- **Chrome**: chrome plated upper roll.
- **Extended bed plate**: up to 60” long.
- **Bed plate protection**: clear lexan bed cover to protect Bed Plate from inks and water.
- **Dust cover**: black nylon dust cover with elastic draw string.
- **Steel Stand**: E-31 - 59 1/2" x 35 1/2" x 30”
  E-37 - 59 1/2" x 41 1/2" x 30”
- **Casters**: Set of 4 removable all-swivel, all-locking casters.

Specifications:

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<thead>
<tr>
<th>Specifications</th>
<th>E-31</th>
<th>E-37</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Dimensions:</td>
<td>54&quot;L x 41&quot;W x 22&quot; H</td>
<td>54&quot;L x 47&quot;W x 22&quot; H</td>
</tr>
<tr>
<td>Star Wheel:</td>
<td>34&quot; or 48&quot; diameter</td>
<td>34&quot; or 48&quot; diameter</td>
</tr>
<tr>
<td>Upper Roll:</td>
<td>7.5&quot; diameter standard</td>
<td>7.5&quot; diameter standard</td>
</tr>
<tr>
<td>Composite Bed:</td>
<td>30.5&quot; x 54&quot; x 3/4&quot; - 62 lbs.</td>
<td>36.5&quot; x 54&quot; x 3/4&quot; - 74 lbs.</td>
</tr>
<tr>
<td>Steel Bed:</td>
<td>30.5&quot; x 54&quot; x 3/4&quot; - 350 lbs.</td>
<td>36.5&quot; x 54&quot; x 3/4&quot; - 420 lbs.</td>
</tr>
<tr>
<td>Aluminum Bed:</td>
<td>30.5&quot; x 54&quot; x 3/4&quot; - 121 lbs.</td>
<td>36.5&quot; x 54&quot; x 3/4&quot; - 145 lbs.</td>
</tr>
<tr>
<td>Shipping Weights:</td>
<td>530 lbs. Less bed</td>
<td>630 lbs. - less bed</td>
</tr>
<tr>
<td>Flat Skid:</td>
<td>75 lbs.</td>
<td>85 lbs.</td>
</tr>
<tr>
<td>Enclosed Crating:</td>
<td>150 lbs.</td>
<td>170 lbs.</td>
</tr>
</tbody>
</table>

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**THE CONRAD FLOOR**

**Conrad Machine Company** offers several large, heavy duty professional etching presses with bed sizes of 28” x 48” to 72” x 100”. Contact our factory with your specific requirements.

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**Heavy Duty Floor Model Frame**

The frames of Conrad Machine Floor Model Etching presses are fabricated from heavy steel plates, adequately reinforced and cross-braced to maintain their alignment. The legs are equipped with leveling screws and floor plates. An optional storage shelf is available that fits inside the frame under the lower roll.

**Bed Plates**

The Floor Model bed plates are solid steel, precision ground flat and parallel on the top and bottom. The long edges of the bed are machined smooth, square and parallel to facilitate a smooth, straight line motion between the side guides fixed to the presses’ frame. Safety stops are provided to limit the maximum travel of the bed. Aluminum or composite bed plates are also available. By using one of these alternate materials you could save as much as 600 lbs.

**Planetary Series-3 Geared Reduction Drive- 8 to 1**

The driving power of the Conrad Floor Model Etching press is provided by a large spoked star wheel operating through a self-contained, 8 to 1 geared planetary reduction drive that is mounted directly on the press roll. This type of drive, designed specifically for the slow R.P.M., high torque requirements of etching presses, was introduced by Conrad Machine Co. in 1959, and has proven to be a trouble-free workhorse on the thousands of installations built since that time. Mounting the drive on the roll itself assures perfect alignment over the life of the press. For those printmakers that prefer a hand crank instead of a star wheel, Conrad Machine offers a Heavy Duty 25 to 1 Commercial Drive. These drives are designed for heavy industrial applications, making them very rugged for large etching presses. Upper or lower roll driving is available with this drive.

**Motorized Machines**

All Conrad Machine Heavy Duty Floor Model presses can be purchased with a motor option. Please contact the factory for more details.

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**Conrad Heavy Duty Floor Model Etching Press with Planetary S-3 Drive and Open-spoked Star Wheel**

**Treacy Ziegler, Artist**

—I have had a [large 40 x 72] Conrad etching press now for seven years and I want to let you know how pleased I am with it. I do a lot of soft-ground etchings and am very pleased with how sensitive the press is in getting a good impression. I have used other presses... and I like the Conrad press best.”

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 materials or workmanship for the first 25 years of the life of your press.

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**Conrad Machine Co.**

1525 S. Warner St. Whitehall, MI 49461

Made in the **U.S.A.**

www.conradmachine.com  www.americanfrenchtool.com  Phone: 231-893-7455  Fax: 231-893-0889
Large Heavy Duty Floor Model Etching Presses featuring Conrad Planetary S-3 Geared Reduction Drives

“T he quality of workmanship on the press exceeds by far the other two brands I checked out... I am sure these two presses are good, but the straightforwardness and rugged durability and simplicity of use of my [Conrad] press exceeds what I saw in these others. Thanks for the quality your company puts out.”

- Ted Jones
Artist/ Printmaker

Rolls and Bearings
The rolls are precision machined from solid steel. The Floor Model's rolls are mounted in self-aligning, anti-friction bearings to insure smooth and easy operation under the most severe printing pressures. Please see price list for diameter of rolls. Our roll bearings are rated at well over five times the maximum pressure encountered in normal printing! The upper roll is spring counter balanced to maintain positive contact with the pressure adjusting screws at all times. Eight auxiliary rollers are provided to support the bed plate in the extended positions. If a lighter press is desired, tubular rolls can be provided in place of the standard solid steel rolls. Oversize upper rolls are also available.

Micro-Gauges
One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .001” per line. This means 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.

Pressure Screws
The pressure adjusting screws are made with Acme threads: the thread form specified for high strength, long wearing machine lead screws and jacks. The micro-gauges on the pressure screws assure ease of fine adjustments and absolute repeatability of pressure settings.

Options
- Oversized upper roll: If you desire a larger upper roll, we offer as an option a 2” larger upper roll. Just add 2” to the standard size listed in the specifications for your size press. (Listed on price list.)
- Tubular steel rolls: The standard rolls are made from solid steel. If a lighter press is desired tubular steel can be substituted for the solid steel saving hundreds of pounds.
- Bed plates: Aluminum alloy or composite.
- Motor drive: 1/2 H.P., 110/220 v., 60 or 50 Hertz, with power indicator light.
- Hand Crank Drive: Heavy duty 25 to 1 Commercial Drive with Hand Crank
- Micro-gauges: Calibrated to .001” per line. Very precise.
- Steel shelf: Angle iron steel shelf located under lower roll.
- Enclosed starwheel
Conrad Machine is proud to introduce a smaller version of our popular C-25 Combination Press. The C-16 Combination Press offers all the same options as the C-25 Combination Press. With a 16” x 32” bed size, the C-16 can print any medium including stone lithography.

Lithography and Flexibility

The one major feature that sets this press apart from all other traditional presses is its ability to be converted into a lithography press in less than five minutes. Stone lithography work requires a floating scraper bar; this can also lend itself to new and different techniques not possible with traditional presses. Mixed media prints utilizing multiple techniques can be printed without the need for multiple printing presses.

Portability

We designed this press, so it can be easily disassembled into five component parts. You will not need a moving crew to transport this press, as one person can easily disassemble and move the C-16. The outer bed supports can be taken off or folded up, so the press will fit through any 30” door way. There is no need for expensive machinery movers with the Conrad Machine Co. C-16 Combination press.

Planetary Series-1 Geared Reduction Drive - 6 to 1

The most remarkable feature of these fine presses is the Planetary geared reduction drive. Torque from the 10” throw aluminum hand crank is multiplied in the totally enclosed geared planetary reducer by a 6 to 1 ratio to provide 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 Conrad Planetary S-1 drive has provided trouble free service over the past 56 years on thousands of presses ranging in width from 12” to 50”. The C-16 can also be fitted with a direct drive and an open spoked star wheel.

Rolls and Bearings

The upper roll is 4 1/2” diameter and made from special pre-stressed steel tubing. This makes the roller very strong but light enough that one person can change over to the litho process. The lower roll is made from 4 1/2” diameter steel. An optional 6” upper roll is available for those printmakers desiring a larger upper roll.

Conrad Machine is very satisfied with the etching [combination] press machine we purchased from Conrad Machine in March 1992... The machine is dependable, versatile and reasonably priced. I highly recommend the Conrad press machine to anyone who is a professional artist in printmaking.”

-Chia Haruta, Haruta Studio
The C-16 Combination press is just as versatile as the C-25 Combination Press, printing any medium: intaglio, relief, and lithography. Same as the C-25, the upper roll assembly quickly slides out from the scraper bar housing and is replaced by a scraper bar. In less than 5 minutes, you are ready to print lithography! The Combination Press has found great favor with colleges and universities worldwide as well as professional studios for its versatility and durability.

It has been my pleasure to use your Conrad Combination Press now for three years in my classroom at Dulaney High School. I wanted to tell you how much the students and myself have enjoyed the use of the press during that time. Whether printing intaglio plates, collographs, xerographic transfers, mylar water-based images, wood and linocuts, lithographs, and many combinations of print mixed media effects, the press has been outstanding. The awards that I and my students have received have been, in part, due to its excellent and flexible capabilities. It is a valuable classroom and studio tool."

-H. Ed. Smith, Art Department Chairman, Dulaney High School

Micro-Gauges

One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005” per line. This means 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.

Specifications:
Overall Dimensions: C-16
Hand Crank: 220 lbs.
10”Throw Aluminum
Upper Roll: 4.5” dia. tubular steel
Lower Roll: 4.5” dia. steel
Composite Bed: 16” x 32” x 3/4”
Lower Auxiliary Rolls: 16 hard rubber wheels
Drive: Conrad Planetary Series 1
Geared: Reduction drive 6:1

C-16 with Conrad S-1 Drive and Micro-gauges

Pressure Screws
The pressure is adjusted through three heavy duty screws equipped with locking nuts. The center screw is used for litho work where a floating scraper bar is required. The two outboard screws are used for all other work where extreme pressures and rigidity are required.

Options
-Bed Plate: precision ground Aluminum Alloy 3/4” thick.
-Micro-gauges: calibrated to .005” per line - very precise.
-Star Wheel: open spoked 36” diameter (in place of Hand Crank).
-Chrome: chrome plated upper roll.
-Extended bed.
-Bed Plate Protection: clear lexan bed cover to protect bed plate from inks and water.
-Dust cover: black nylon dust cover with elastic draw string.
-Steel Stand/ Work bench.
-Casters: Set of 4 removable all-swivel, all-locking casters.
-Bed Locking Devices.
-Quick Locking Nut: locks the center screw in place.

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 materials or workmanship for the first 25 years of the life of your press.

Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the U.S.A.
www.conradmachine.com www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
Conrad Machine Co. has been manufacturing the Combination Press for over 40 years. With input from professors and professional artists from all over the world, Conrad Machine has made numerous improvements over the years making the C-25 the ultimate in press technology! We offer a complete line of options, so the printmaker can equip his machine to meet any requirements. We can also custom build to any specifications desired.

“I wanted to write and tell you how much use and excellent service I got out of my combination press. I have printed many editions for such publishers as Associated American Artists, The Original Print Collectors Group, and New York Graphic Society, etc. totaling more than 10,000 prints. The press, with minimum care and oiling performed perfectly. Over the twenty [plus] years that I used it, I had continuing good results. Besides being very dependable, I found it to be very flexible, allowing me to do intaglio plates, lithographs, and monotypes. I have done deep engravings, aquatints, and mezzotints and combinations and variations of these techniques.”

- Hank Laventhol, BFA Yale, Academia de Belle Arte

Drives
One of the most important components of any press is its drive. Conrad Machine offers one of the most versatile drives available today. Our engineers designed a drive that fully complements the extreme versatility of the Combination Press. Because the Combination Press is at home in any medium, we designed the drive so the printmaker can choose the desired gear ratio. Five different ratios are offered; 5 to 1 plus choice of 10, 15, 20 and 25 to 1. There is no reason to be stuck with an improperly geared press. The C-25 can be fitted with the Conrad Planetary S-2 Drive, standard hand drive, or the Conrad Twin-Torque Drive. We also offer motorizing. See E-24 page for more information about the Conrad Twin-Torque Drive.

Motor Drive
For those printmakers running large editions or for those who would like effortless printing, we offer a motorized option. Some printmakers prefer a motor driven press because the motor can deliver a constant speed throughout any edition size and never get tired. We offer a 1/2 H.P. motor that runs on standard house current (115 volt). Safety features include roll guards, bed stops, an instant reverse motor with power indicator light, and a keyed power lock out switch.

Portability
We designed this press, so it can be easily disassembled into five component parts. You will not need a moving crew to transport this press, as one person can easily disassemble and move the C-25 press. The outer bed supports can be taken off or folded up, so the press will fit through a standard 30” doorway.

Pressure Screws
The pressure is adjusted through three heavy duty screws equipped with locking nuts. The center screw is used for litho work where a floating scraper bar is required. The two outboard screws are used for all other work where extreme pressures and rigidity are required.
CONVERSION PRESS

Conrad Machine is proud to offer the unique C-25 Combination Press. Utilizing over 56 years of press manufacturing experience, Conrad's "Combo" press prints any medium: intaglio, relief, and lithography. The upper roll assembly quickly slides out from the scraper bar housing and is replaced by a scraper bar. In less than 5 minutes, you are ready to print lithography! The Combination Press has found great favor with colleges and universities worldwide as well as professional studios for its versatility and durability.

Lithography and Flexibility

The one major feature that sets this press apart from all other traditional presses is its ability to be converted to a litho press in less than five minutes. Stone litho work requires a floating scraper bar, this can also lend itself to new and different techniques not possible with traditional presses. Mixed media prints utilizing multiple techniques can be printed without the need for multiple printing presses.

Rolls and Bearings

The upper roll is 5" in diameter and is made from special pre-stressed steel tubing. This construction makes the roller very strong but light enough so one person can change over to the litho process. The lower roll is made from 4 1/2" diameter solid steel. An optional 6" upper roll is available for those printmakers desiring a larger upper roll.

Micro-Gauges

One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005" per line. This means 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.

Specifications:

<table>
<thead>
<tr>
<th></th>
<th>C-25</th>
<th>Overall Dimension: 64&quot; L x 39&quot; W x 30&quot;H - 550 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Crank:</td>
<td>10&quot; Throw Aluminum</td>
<td></td>
</tr>
<tr>
<td>Upper Roll:</td>
<td>5&quot; diameter tubular steel</td>
<td></td>
</tr>
<tr>
<td>Lower Roll:</td>
<td>4.5&quot; diameter solid steel</td>
<td></td>
</tr>
<tr>
<td>Composite Bed:</td>
<td>27&quot; x 48&quot; x 3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Lower Auxiliary Rolls:</td>
<td>16 Hard rubber wheels</td>
<td></td>
</tr>
<tr>
<td>Scaper Housing:</td>
<td>Inside dimension 7/8&quot; x 26&quot;</td>
<td></td>
</tr>
<tr>
<td>Hand Drive:</td>
<td>Std: 4:1 chain drive, 5-2-6:1 geared drive, or Conrad Twin-Torque, 5:1 and choice of 10-15-20 or 25:1</td>
<td></td>
</tr>
<tr>
<td>Motor Drive:</td>
<td>1/2 HP, 110/220 v., 60 or 50 Hertz, with power indicator light</td>
<td></td>
</tr>
</tbody>
</table>

The C-25 easily converts into a Lithography Press by replacing the upper roll with scraper bar in less than 5 minutes!

Options:

- Bed Plate Material: Aluminum Alloy 3/4" thick.
- Bed Plate Sizes: extended 54" bed.
- Roll Sizes: oversized 6" diameter upper roll.
- Micro-gauges: calibrated to .005" per line - very precise.
- Star Wheel: open spoke 36" diameter (in place of Hand Crank).
- Chrome: chrome plated upper roll.
- Motor Drive: 1/2 H.P., 110/220 v., 60 or 50 Hertz, with power indicator light.
- Bed Plate Protection: clear lexan bed cover to protect bed plate from inks and water.
- Dust Cover: black nylon dust cover with elastic draw string.
- Steel Stand/ Work bench.
- Casters: Set of 4 removable all-swivel, all-locking casters.
- Bed Locking Devices.
- Quick Locking Nut: locks center screw in place.
CONRAD MONOTYPE

Due to the increasing popularity of the Monotype, Conrad Machine is proud to offer a complete line of Monotype Presses. Finally, an inexpensive, large capacity, portable press available with or without gearing.

"The monotype press which you made for me was instrumental in an award I received... I was honored with one of the last National Endowment Fellowships for Works on Paper... I guess the Fellowship speaks for itself. I have used all the best presses and none work better than yours."

- Robert Dente, Monotype Artist & NEA Fellow

Monotype Bedplates
We offer two types of bed plate material. The standard bed plate is made from 3/4" thick Composite laminate. This high density, lignin-resin laminate has a compressive strength of 29,000 P.S.I. This material weighs only one sixth the weight of steel. The optional bed plate is made from high strength aluminum alloy. This material is more expensive than steel, but it is stronger and only one third the weight of steel.

Monotype Drive
Driving power is provided by a large spoked star wheel operating through a Conrad Planetary S-2 Geared Reduction Drive. This 6 to 1 drive is mounted directly on the press roll (left). A very economical direct drive version (above) is offered for those printmakers wishing to work in light pressure mediums like monotypes, woodcuts, linocuts or other types of relief work. This model has a 48" diameter spoked star wheel attached directly to the lower roller.

Portability
We designed this press, so it can be easily disassembled into 3 component parts. You will not need a moving crew to transport this press, as one person can easily disassemble and move the Monotype press. The outer bed supports can be taken off or folded up, so the press will fit through a standard 30” doorway. There is no need for expensive machinery movers with the Conrad Machine Co. Monotype press.

Angular Steel Frame
The vertical frame is constructed of solid steel angle. The frame, pressure screws, bearing blocks, and lower roll adjusting screw all share a common center line to eliminate twisting or bending of the frame under high printing pressure.
Conrad Machine Co.

Conrad Machine Co. offers several custom built Monotype Presses. The direct drive models are designed to be used for light pressure applications such as monotypes, woodcuts, linocuts, etc. The direct drive presses will work fine for small etchings, but they are not recommended for any large heavy pressure work. The direct drive press becomes very difficult to physically pull heavy pressure prints. That is why we also offer a geared option on our Monotype Presses. The geared Monotype Presses (pictured on the right) are recommended for heavier work, but are not as "heavy duty" as our regular etching presses.

Micro-Gauges

One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005” per line. This means 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.

Rolls and Bearings

The rolls are precision machined from 4” diameter solid steel. The rolls are mounted in self-aligning, anti-friction bearings to insure smooth and easy operation under the most severe printing pressures. Roll bearings are rated at well over five times the maximum pressure encountered in normal printing! The upper roll is spring counter balanced to maintain positive contact with the pressure adjusting screws at all times. Sixteen auxiliary rollers are provided to support the bed plate in the extended positions. If a lighter press is desired, tubular rolls can be provided in place of the standard solid steel rolls.

The Monotype Press is offered in an 18”, 22”, 24”, 27”, 30”, 36”, and 48” designs. Pictured above is the Conrad Machine Co. 36” Monotype Press with Micro-gauges, a Conrad S-2 series Geared Reduction Drive, and Open-spoked Star Wheel.

Options

- Bed Plate Materials: Aluminum Alloy 3/4” thick.
- Bed Plate Sizes: extended length, call factory for sizes.
- Rolls Sizes: oversized 6” diameter upper roll.
- Tubular Rolls: tubular steel rolls with pre-stressed heavy wall tubing.
- Micro-gauges: calibrated to .005” per line - very precise.
- Star Wheel: 48” diameter enclosed.
- Chrome: chrome plated upper roll.
- Bed Plate Protection: clear lexan bed cover to protect bed plate from inks and water.
- Dust cover: black nylon dust cover with elastic draw string.
- Steel Stand/Work bench.
- Casters: set of 4 removable all-swivel, all-locking casters.

Specifications:

Overall Dimensions:
Hand Drive:
Open Spoked Star Wheel:
Upper Roll:
Lower Roll:
Composite Bed:

Monotype Presses

Call our Factory for specific press model dimensions.
Conrad Planetary S-2 Geared Reduction Drive.
48” Spoked Diameter.
Spring Counterbalanced 4” dia. Solid Steel.
4” diameter solid steel.
3/4” thick composite laminate.

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 materials or workmanship for the first 25 years of the life of your press.

Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the U.S.A.
www.conradmachine.com  www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
**THE CONRAD**

Conrad Machine Company offers 4 sizes of professional, heavy duty floor model litho presses. These presses are designed for stone, metal plate, or paper plate litho processes. The all-steel, heavy duty construction combined with 50 plus years of press manufacturing experience makes the Conrad lithography press a proven design.

"It is everything I could have hoped for! I have never felt more excited about my work than I have since acquiring your press."

- George D. Davidson, III
  Artist/Printmaker

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**Bed Plates**

We offer two different types of bed plates: modern tempered ground steel and traditional hard wood. Our most popular bed is the precision ground steel. This bed is Blanchard-ground top and bottom to .005" flat and parallel. The long edges of the bed are machined smooth, square and parallel to facilitate smooth, straight line motions between the frame guides. Adjustable frame guides are made of a thermostet phenolic laminate insuring smooth friction free bed travel. Both beds are covered with a cushion of battleship linoleum.

If you prefer the traditional hardwood, we offer a 3” thick laminated hardrock maple bed. The laminated sections are glued and pinned together to form a rock hard surface. Positive bed stops are provided to prevent the bed from coming off the press.

**Pressure System**

The top-loading scraper bar holder is fabricated of heavy, welded steel plate. Pressure is applied through a single lever toggle mechanism. The pressure adjusting screw is 1 1/4” diameter with acme threads. It is mated to a long bronze nut and is equipped with locking device.

---

**Drives**

Driving power is provided by a 10" throw swivel handle hand crank, operating through a self-contained, planetary geared reduction drive mounted directly on the press roll. This type of drive, designed specifically for the slow R.P.M., high torque requirements of etching and litho presses, was introduced by Conrad Machine Company in 1959 and has proved to be a trouble free "work horse" on thousands of installations built since that time. Mounting the drive on the roll itself eliminates side loading and prevents any skewing action from occurring, insuring perfect alignment.

**Twin-Torque Drive**

Utilizing our time tested planetary drive, Conrad Machine Company introduces the all new Twin-Torque variable ratio planetary drive. This unique drive gives the printmaker a choice of five different drive ratios to choose from: 5 to 1, 10 to 1, 15 to 1, 20 to 1 and 25 to 1.

**Disengagement Drive Clutch Drive Option**

If you prefer working on only one side of the press or would like to be able to pull the bed plate easily back and forth, this is the option for you. You simply pull the drive pin out and pull the bedplate effortlessly.

---

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 materials or workmanship for the first 25 years of the life of your press.
LITHOGRAPHY PRESS

Large Heavy Duty Floor Model Litho Presses featuring the unique Conrad Twin-Torque Drive or our Disengagement Drive Clutch.

Features
- Fully adjustable center pressure screw with locking device that can be adjusted down to the bed plate eliminating the need for risers.
- Self centering scraper bar.
- Rock hard maple bed or ground steel bed.
- All steel construction.
- Single lever pressure actuator.
- Full length adjustable bed guides.
- Positive bed stops.

Rolls and Bearings
The main support roll is precision machined from 6” diameter solid tempered steel. The roll is mounted in self-aligning, anti friction bearings. The eight steel auxiliary rollers, which support the bedplate in the extended positions, are adjustable to provide the perfect amount of teeter to the bed plate.

Options
- Motor Drive: 1/2 HP, 110/220v, 60 or 50 Hertz, with power indicator light.
- Steel Shelf: angle iron steel shelf located just under lower roll.
- Bed Locking: latching devices to hold the bed in place.
- Disengagement Drive Clutch.
- Bed Covering Material: aluminum sheet, galvanized steel, phenolic or lexan.
- Dust Cover: black nylon dust cover with elastic draw string.
- Casters: set of 4 removable all-swivel, all-locking casters.

Specifications:

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</tr>
</thead>
<tbody>
<tr>
<td>FML-24</td>
<td>24” x 48” x 7/8”</td>
<td>24” x 48” x 2.5”</td>
<td>Conrad Twin-Torque</td>
<td></td>
<td>6” Diameter</td>
<td>2” Ball Bearings</td>
<td>From 0” to 6”</td>
<td>7/8” x 25”</td>
<td>1.25” Acme</td>
<td>60” L x 40” W x 67” H</td>
<td>1,000 lbs.</td>
</tr>
<tr>
<td>FML-30</td>
<td>30” x 48” x 1”</td>
<td>30” x 40” x 2.5”</td>
<td>Conrad Twin-Torque</td>
<td></td>
<td>6” Diameter</td>
<td>2” Ball Bearings</td>
<td>From 0” to 6”</td>
<td>7/8” x 31”</td>
<td>1.25” Acme</td>
<td>60” L x 46” W x 67” H</td>
<td>1,200 lbs.</td>
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<tr>
<td>FML-36</td>
<td>36” x 60” x 1 1/8”</td>
<td>36” x 60” x 2.5”</td>
<td>Conrad Twin-Torque</td>
<td>Disengagement Drive Clutch</td>
<td>6” Diameter</td>
<td>2” Ball Bearings</td>
<td>From 0” to 6”</td>
<td>7/8” x 37”</td>
<td>1.25” Acme</td>
<td>78” L x 48” W x 67” H</td>
<td>1,650 lbs.</td>
</tr>
<tr>
<td>FML-40</td>
<td>40” x 72” x 1 1/8”</td>
<td>40” x 72” x 2.5”</td>
<td>Conrad Twin-Torque</td>
<td></td>
<td>6” Diameter</td>
<td>2” Ball Bearings</td>
<td>From 0” to 6”</td>
<td>7/8” x 41”</td>
<td>1.25” Acme</td>
<td>78” L x 52” W x 67” H</td>
<td>1,900 lbs.</td>
</tr>
</tbody>
</table>

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www.conradmachine.com www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
Frame

The unique and elegant design of American French Tool’s side frame is one of the most distinctive aesthetic features on this world class etching press. This design is achieved by precision machining 1/2” thick steel or aluminum plate. Then these side frames are connected by deck plates to provide maximum support and durability. The looks, design, stability of the American French Tool frame is second to none.

Bedplates

There are many different views of what material makes the best bedplate; we offer two different types of bedplate material for the American French Tool Presses. The standard bedplate is made from 1 1/8” thick steel plate precision ground to 7/8” thick. An optional aluminum bedplate can also be ordered.

The American French Tool Company was started by Andre Beaudoin in the mid-1970’s. Mr. Beaudoin, working with many prominent printmakers, designed and built the American French Tool presses for over 30 years. The beauty and elegance of the American French Tool design, the unmatched performance, and the outstanding durability have given the American French Tool presses the reputation of being the world’s finest etching presses. With its large, oversize bearings and solid steel rolls, the American French Tool press is the heaviest press on the market. Many publishers and artists will only use the American French Tool press to print their heavy pressure photogravure prints. In the spring of 1999, Conrad Machine Co. acquired the American French Tool Company from Mr. Beaudoin. Continuing the legacy and craftsmanship of Mr. Beaudoin, Conrad Machine Co. has built the American French Tool floor model etching presses for over 10 years and has added several tabletop etching presses to the American French Tool press line. American French Tool presses are offered with the industry’s leading 25-year warranty because the world’s most elegant and best performing etching presses are designed to last a life time.

American French Tool Chain Drive

The American French Tool chain drive allows printmakers to pull prints effortlessly, even under the heaviest of pressures. The chain drive consists of an oversized, double-row sprocket mounted directly to the upper roll. The chain drive is powered by the beautiful, large 60” fully enclosed star wheel. The oversized star wheel not only provides the printmaker with complete control, but it also completes the signature look and elegant design of the American French Tool etching press.
ETCHING PRESSES

“We currently have two American French Tool presses here at Open Studio, one with a 30” x 48” bed and the other a 48” x 78” bed – we wouldn’t trade them for anything! These presses are simply top of the line and true workhorses. Since 2002 I have been the Technical Director at Open Studio, an artist run center in Toronto, Canada, and I have witnessed our presses withstand the daily use of our regular studio users and members, as well as visiting artists, custom project artists and our many education program participants, with only the usual maintenance and no major repairs or parts replacements required. Our smaller press was actually purchased in 1977 and the large one in 1991 so that’s saying a lot!”

-Jill Graham,
Technical Director
Open Studio

Micro-Gauges

One of the most sought after features we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .001” per line. This means 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. All American French Tool floor model presses come standard with micro-gauges.

Rolls and Bearings

The rolls are precision machined from 8” diameter solid steel. The rolls are mounted in self-aligning, anti-friction bearings to insure smooth and easy operation under the most severe printing pressures. Roll bearings are rated at well over five times the maximum pressure encountered in normal printing! The upper roll is spring counter balanced to maintain positive contact with the pressure adjusting screws at all times. Sixteen auxiliary rollers are provided to support the bed plate in the extended positions. If a lighter press is desired, tubular rolls can be provided in place of the standard solid steel rolls. Please see our options and pricing sections of our catalog for more information.

Motorizing

All Floor Model American French Tool Etching Presses can be customized and motorized. Please call the factory for additional information.

Pressure Screws

The pressure adjusting screws are 1 ¼” diameter x 10 pitch. Micrometer type gauges on the pressure screws assure ease of fine adjustments and absolute repeatability of setting.

Options

-Oversized upper roll: If you desire a larger upper roll, we offer as an option a 2” larger upper roll. Just add two inches to the standard size listed.
-Bedplates: aluminum alloy or composite laminate.
-Motor drive: ½ H.P., 110/220 v., 60 or 50 Hertz.
-Hand crank: We offer a heavy duty 25:1 commercial drive with a hand crank instead of the star wheel.
-Chrome: chrome upper roll.

Specifications

-Bed plate sizes: 20”x40”, 24”x48”, 26”x48”, 30”x52”, 32”x54”, 36”x60”, 40”x70”, 44”x70”, 48”x78”, 60”x120”
-Drive: chain drive with oversized double-row sprocket.
-Star Wheel: 60” enclosed.
-Upper Roll: 8” diameter solid steel with 3” dia. bearing journals.
-Lower Roll: 8” diameter solid steel with 3” dia. bearing journals.
-Micro-Gauges: calibrated to .001” per line.
-Bed Stops: standard.
-Steel Bed: 7/8” thick precision machined.
-Side Frames: 1/2” thick steel.
-Columns: 1 3/4” x 2 1/2” thick steel.
American French Tool Tabletop

Conrad Machine Co. is proud to introduce the new American French Tool tabletop etching presses. We have taken the elegant design and stunning performance of the American French Tool floor model etching presses and created this beautiful tabletop line of etching presses. Now the world's most graceful printmaking press can fit on your workbench.

“She is beautiful.”

Mauricio Lasanski
The University of Iowa
School of Art and Art History
Former Head, Print Department

Rolls and Bearings

The upper roll is spring counter balanced to maintain height adjustment, whether or not roll is in contact with the work. The roll bearings are large 1 1/2" in diameter, self-aligning, and rated at well over 5 times the maximum pressure encountered in normal printing! The upper roll on the American French Tool 24" tabletop press is precision machined from 6" diameter, solid steel assuring precise and deflection-free printing. Options include an oversize 7 1/2" diameter upper roll. Please check our specifications for specific tabletop sizes and options.

Drives

The American French Tool tabletop etching press can be custom built with either a direct drive or a geared drive. A direct drive, as shown on the following page, utilizes a fully enclosed star wheel mounted directly to the upper roll for its pulling power. For printmakers who want the ease of a geared drive under heavy pressure, we also offer the Conrad Machine Co. Planetary Series-2 Gear Reduction Drive, custom fit for the American French Tool tabletop press. This type of press drive, developed by Conrad Machine Co. in 1959, has provided trouble free service over the past 50 years on thousands of presses ranging in width from 12" to 50".

Frame

The American French Tool Tabletop's frame design is based on the elegant American French Tool floor model press design. The side frames are custom machined out of 1/2" thick steel and bolted together with custom made deck plates. The American French Tool tabletop frame is not only the most graceful design of any tabletop etching press, it is also one of the most durable and stable designs.

Bedplates

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 3 different types of bedplate material. The standard bedplate is made from 3/4" thick steel plate precision ground to 1/2" thick. We also offer optional bed plates made of aluminum alloy and composite laminate.
ETCHING PRESSES

The looks and feel of an American French Tool brought to the top of your work bench with the same quality and precision of a Floor Model.

"I have worked on your press at the University of Northern Iowa, Cedar Falls Iowa, and at the Pyramid Press and Paperworks in Baltimore, Maryland. Your press is generally acknowledged to be... outstanding... I heartily concur with this sentiment."

-Dean Dass
Assistant Professor of Studio Art
University of Virginia

Star Wheel
The American French Tool tabletop etching press is available with your choice of two different sized, fully enclosed star wheels: 36” and 44”. Like all presses built by Conrad Machine, the American French Tool tabletop is fully customizable. Any size wheel can be custom ordered. Please call the factory for more information.

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 .001” 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.

Options
- Roll Materials: 3” diameter solid aluminum alloy rolls - Saves 30 lbs.
- Roll Sizes: oversize upper roll are available.
- Bed Plate: Steel or Aluminum Alloy Bedplate.
- Micro-gauges: calibrated to .001” per line.
- Star Wheel: 34” or 44” diameter (in place of Hand Crank)
- Chrome: chrome plated upper roll.
- Steel Stand/Work bench.

Specifications
<table>
<thead>
<tr>
<th>AFT 12” x 24”</th>
<th>AFT 18” x 36”</th>
<th>AFT 24” x 48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Dimensions LxWxH:</td>
<td>Overall Dimensions LxWxH:</td>
<td>Overall Dimensions LxWxH:</td>
</tr>
<tr>
<td>29” x 18” x 17”</td>
<td>35” x 23” x 18”</td>
<td>52” x 30” x 21”</td>
</tr>
<tr>
<td>6 to 1</td>
<td>6 to 1</td>
<td>6 to 1</td>
</tr>
<tr>
<td>Star Wheel</td>
<td>Star Wheel</td>
<td>Star Wheel</td>
</tr>
<tr>
<td>Open 36” Diameter</td>
<td>Enclosed 44” Diameter</td>
<td>Enclosed 44” Diameter</td>
</tr>
<tr>
<td>Geared</td>
<td>Geared</td>
<td>Geared</td>
</tr>
<tr>
<td>4 ½” Diameter</td>
<td>4 ½” Diameter</td>
<td>6” Diameter</td>
</tr>
<tr>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Auxiliary Bed Support Rollers:</td>
<td>8 Roller Bearings:</td>
<td></td>
</tr>
<tr>
<td>Bed Stops:</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Composite Bed:</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Steel Bed:</td>
<td>½” x 12” x 27”</td>
<td>½” x 18” x 36”</td>
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<tr>
<td>Aluminum Bed:</td>
<td>½” x 12” x 27”</td>
<td>½” x 18” x 36”</td>
</tr>
<tr>
<td>Shipping Weights:</td>
<td>150 lbs.</td>
<td>350 lbs.</td>
</tr>
</tbody>
</table>

Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the U.S.A.

www.conradmachine.com www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
Brand New

For all you Charles Brand lovers

Charles Brand presses have been a very popular press for decades. Ever since they went out of business in the '90s, there has been no factory support for Charles Brand press owners.

Conrad Machine, wanting to help our many printmakers and customers who own Brand presses, extended our wealth of knowledge and expert services to all Brand owners. We offer full factory support for all Charles Brand Presses. We will fix, repair, or rebuild any Charles Brand press as well as provide replacement parts for all Charles Brand Models.

After years of repairing and rebuilding Brand presses, we have come to know all the strengths and weaknesses of the Brand press design. Conrad Machine has decided to create a line of presses similar to the Brand press. We have redesigned the weak points and improved the overall quality of these machines. If you love Charles Brand presses, you will love this new line of Conrad Machine Co. presses.

Brand New Geared Drive

The drive is a time tested 25 to 1 shaft mounted commercial gear box. This is an expensive drive box and is the very best. We have used this type of drive for over 50 years and have never had a failure.

Brand New Frame

The frame is constructed from 5/8" x 8" solid aircraft aluminum alloy plate. This material is stronger than steel and saves weight.

Rolls

The upper roll is larger and heavier. It is constructed from 8 5/8" dia. extra heavy steel tubing making it stronger with less flex.

Micro-Gauges

All Brand New etching presses come standard with micro-gauges. These micro-gauges are calibrated to .005" per line. The Conrad Machine Co. micro-gauges are the best in the printmaking industry.

Bearings

Bigger bearing shaft sizes are used in all models. These bearings are bigger than our competitors by as much as 50 percent. This will eliminate shaft flex or breakage under heavy printing conditions like photo gravure.

Prices

<table>
<thead>
<tr>
<th>Press Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand New 12&quot; x 24&quot; etching press</td>
<td>$3,990</td>
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<tr>
<td>Brand New 20&quot; x 40&quot; etching press</td>
<td>$6,500</td>
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<tr>
<td>Brand New 22.5&quot; x 45&quot; etching press</td>
<td>$9,400</td>
</tr>
<tr>
<td>Brand New 26&quot; x 48&quot; etching press</td>
<td>$10,900</td>
</tr>
<tr>
<td>Brand New 30&quot; x 52&quot; etching press</td>
<td>$11,450</td>
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<tr>
<td>Brand New 34&quot; x 58&quot; etching press</td>
<td>$12,950</td>
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<tr>
<td>Brand New 36&quot; x 60&quot; etching press</td>
<td>$14,200</td>
</tr>
</tbody>
</table>

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www.conradmachine.com  www.americanfrenchtool.com  Phone: 231-893-7455  Fax: 231-893-0889
As with all our products, this press is designed to meet the highest industrial standards and uses first rate materials and parts. The Elephant press is our largest model. The precision 4.5” solid aircraft alloy lower roller is designed to provide deflection-free support and long, trouble free service even when printing with the heaviest pressures. The upper roller is 8.5” in diameter tubular steel with 2-15/16” diameter journals fitted with heavy duty, self-aligning ball bearings. Bed movement is controlled by tough, low-friction guides supported by the lower drive roller and eight 4” diameter idler wheels with anti-friction bearings for smooth, quiet operation. The height of each wheel can be easily and precisely adjusted. To produce its characteristically smooth operation the drive system incorporates our unique planetary gear drive. A counter-balanced hand crank is used to drive the bed. Each bed is precision ground top and bottom from a single 1- ¼” thick plate of stress-relieved steel. Approximate shipping weight is 1,350 lbs.

Elephant Etching Press 30” x 52” ........................................ $10,900

These exceptionally sturdy, smooth operating, medium sized presses are perfect for heavy classroom use or professional studios. They can be mounted on any sturdy table or purchased with a stand to make them into a floor model. They are constructed of the highest quality steel and aluminum alloys and feature generously proportioned self-aligning ball bearings. The lower roll on the Pelican press is 5” in diameter solid aircraft alloy with a 8” diameter upper roll. It has a gear ratio of 15 to 1. The lower roll on the Graves press is 3 ½” in diameter solid aircraft alloy with a 8” diameter upper roll. The Graves press features a 5 to 1 gear ratio. The crank handle is counter-balanced with a rotating anatomical grip. The bed is made of stress-relieved, precision ground steel, 7/8” thick, and cannot be removed from the press without deliberate dismantling.

Graves Etching Press 18” x 36” ........................................... $5,900
Pelican Etching Press 24” x 42” ........................................... $8,300

Pelican Lithography Press 26” 48” .................................................. $9,950
Elephant Lithography Press 30” x 50” ........................................... $13,000
Elephant Lithography Press 34” x 60” ........................................... $14,450

Floor Model Elephant Lithography Presses

The lithographic elephant press features a deep section scraper box, which lowers from above, and is actuated by a high-efficiency lever cam action. Very little force is required to produce the pressures necessary to print images the full width of the bed. A drive clutch is provided to engage and disengage the bed.

Floor Model Elephant Etching Presses

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Printmaking

Books

Etching and Other Intaglio Printmaking Techniques by Bannister ..................$14.00
Etching, Engraving by Leaf .................................................$18.00
The Complete Printmaker by Ross and Romano ........$55.00
The Contemporary Printmaker by Howard ..................$55.00
Monotype by Julia Ayres .................................................$22.95
Tamarind Techniques for fine art lithography ...............$85.00
Printmaking in the Sun DVD by Dan Welden ...............$29.95

Poly Scraper Bars - complete with straps ........$3.75/ inch

Hand Inking Rollers 4.25” Diameter Rollers

<table>
<thead>
<tr>
<th>Face Length</th>
<th>Rubber</th>
<th>Polyurethane</th>
<th>S.L.C.</th>
<th>Leather</th>
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<tbody>
<tr>
<td>10”</td>
<td>$270.00</td>
<td>$254.00</td>
<td>$275.00</td>
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<tr>
<td>12”</td>
<td>$293.00</td>
<td>$294.00</td>
<td>$307.00</td>
<td>$385.00</td>
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<tr>
<td>14”</td>
<td>$313.00</td>
<td>$329.00</td>
<td>$340.00</td>
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<tr>
<td>16”</td>
<td>$335.00</td>
<td>$362.00</td>
<td>$368.00</td>
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<tr>
<td>18”</td>
<td>$354.00</td>
<td>$395.00</td>
<td>$397.00</td>
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<td>20”</td>
<td>$377.00</td>
<td>$428.00</td>
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Large Diameter Hand Inking Rollers

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Face Length</th>
<th>Price</th>
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<tbody>
<tr>
<td>6 3/4”</td>
<td>16 3/4” face length</td>
<td>$470.00</td>
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<tr>
<td></td>
<td>18 3/4” face length</td>
<td>$518.00</td>
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<tr>
<td></td>
<td>20 3/4” face length</td>
<td>$572.00</td>
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<td></td>
<td>24 3/4” face length</td>
<td>$684.00</td>
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<td></td>
<td>28 3/4” face length</td>
<td>$775.00</td>
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<tr>
<td>8 3/4”</td>
<td>16 3/4” face length</td>
<td>$520.00</td>
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<td>18 3/4” face length</td>
<td>$582.00</td>
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<tr>
<td></td>
<td>20 3/4” face length</td>
<td>$643.00</td>
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<td></td>
<td>24 3/4” face length</td>
<td>$735.00</td>
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<td>28 3/4” face length</td>
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<td></td>
<td>30 3/4” face length</td>
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<tr>
<td>10 3/4”</td>
<td>20 3/4” face length</td>
<td>$833.00</td>
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<tr>
<td></td>
<td>24 3/4” face length</td>
<td>$862.00</td>
</tr>
<tr>
<td></td>
<td>28 3/4” face length</td>
<td>$930.00</td>
</tr>
</tbody>
</table>

Stainless Steel Handles - in place of standard aluminum ........$59.00/pair
Chrome-Plated Handles - in place of standard aluminum ........$37.00/pair
Specifications subject to change without notice.

Felt Blankets

Finest Quality Cut to any custom size

Pusher Blanket - 1/8” thick woven felt ..................$0.054/sq. inch
Cushion Blanket - 1/4” thick pressed felt ...............$0.074/sq. inch
Sizing Catcher - 1/16” thick pressed felt ...............$0.032/sq. inch
Set of three above felt blankets .........................$0.16/sq. inch
Woven felt - 1/16” thick ............................................$0.062/sq. inch

Steel Stand / Work Bench

All Tabletop models made by Conrad Machine Co. are available with a steel stand/work bench. We custom make our work benches to fit our presses and provide an additional shelf below the press. The work bench’s frame is made from sturdy angle iron with all plated parts. The stand to the right is shown with optional all-locking casters and optional wood shelf. See pricelists for pricing on specific press work benches.

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www.conradmachine.com www.americanfrenchtool.com Phone: 231-893-7455 Fax: 231-893-0889
Professional Hot Plates

27.5" x 36" - 220 V single phase, 3500 W with on/off power indicator light, variable thermostat, 80 to 450 degrees Fahrenheit, and 1/2" thick aluminum top plate.  
150 lbs..........................................................$1,519.00

18" x 27.5" - 110 V single phase, 2250 W variable thermostat, 80 to 450 degrees Fahrenheit, and 1/2" thick aluminum top plate.  
92 lbs..........................................................$958.00

21.5" x 12" - 110 V single phase, 1500 W with on/off light indicator, variable thermostat, 80 to 400 degrees Fahrenheit. This small hot plate is a commercially manufactured griddle. We machine the top of the hotplate and then mount a flat piece of aluminum on it for an obstruction-free heating surface.  
20 lbs..........................................................$399.00

Etching Tanks

Z*Acryl Vertical Etching tanks are an ideal alternative to the horizontal bath-style trays commonly used in the etching studio. As compared to a typical acid tray, the Vertical Etching Tank uses 80% less studio space and has 95% less exposed area for evaporation. Even full, the vertical tank can be safely moved around the studio.  
18" x 24" ............... $185.00

Press Dust Covers

Black Nylon Dust Covers are custom made out of durable nylon material to fit each press size. Covers can also be custom made to fit hotplates and other Conrad equipment. Keep the dust and debris off your Conrad press with these covers.  
Small..........................................................$110.00  
Medium.......................................................$150.00  
Large............................................................$196.00

Bedplate Protection Covers

Clear 1/8" Lexan covers help protect the bedplate from nicking and scratching. A registration grid may be placed underneath the lexan.  
Lexan............................................................$0.050/sq. inch  
Fit Lexan to Bed Plate.......................................$75.00

Copper Plates

Industrial grade 16 gauge (about .0625" thick) non-polished, non-backed copper plate. Cut to any custom size..........................$0.026/sq. inch

Registration Grids

Registration grids are available in any custom size to fit your press. We can cut these to any size.  
18" and under.................................................$0.025/sq. inch  
22" and over...................................................$0.0165/sq. inch

Litho Accessories

Used Litho Stones in all different sizes. Call for more information about Litho Stones.  
Tympan - Phenolic Linen 24" x 36" x .062............$61.00  
Tympan - Phenolic Linen 36" x 48" x .062............$98.00

Conrad Machine Co.  
1525 S. Warner St. Whitehall, MI 49461  
Made in the U.S.A.

www.conradmachine.com  www.americanfrenchtool.com  Phone: 231-893-7455  Fax: 231-893-0889
Brand New etching presses

The Conrad Machine Co. Promise

Conrad Machine Company will not be undersold. We will match or beat the price of any comparable etching or litho press on the market today. **Terms:** All prices: FOB Whitehall MI 49461, USA. Individuals - 30% down at time of order, balance due before press shipped. Recognized institutions - charges, prepaid freight - Net 30 days. Michigan purchasers add MI sales tax or show exempt license number. Allow approximately 8-20 weeks for delivery depending on backlog. Check on your specific model. A 25% restocking fee will be charged on all cancellations. **Warranty:** 25 years against defects in materials or workmanship. Specifications and prices subject to change without notice.