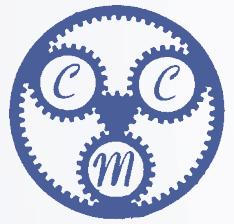


Conrad Machine Co.

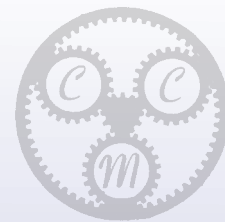
The World's Finest Printmaking Presses



Celebrating our 65 year anniversary
1945-2010

Conrad Machine Co.
1525 S. Warner St.
Whitehall, MI 49461
www.conradmachine.com
www.americanfrenchtool.com

CONRAD MACHINE CO.



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.

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

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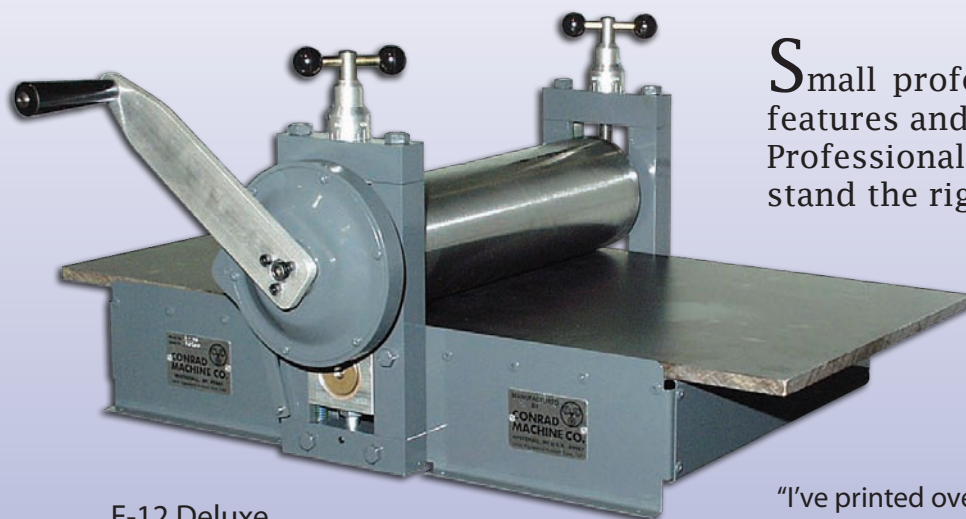
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All Conrad Machine Co. Presses come with the industry's best 25-Year Warranty. We believe in our products, so much so, that we will repair or replace any defects in materials or workmanship for the first 25 years of the life of your press.

CONRAD E-12 & E-15



E-12 Deluxe

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.

"I've printed over 20,000 prints on my Conrad E-12 and it still prints the same as it did the day I got it."

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

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.



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.



Bed Plates

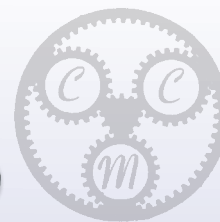
There are many different views of what material makes the best bed plate; to a large extent, we feel it is a matter of personal preference. Therefore, we offer three different types of bed plate materials. The standard bed plate is made from a 1/2" thick composite. This composite is a high density lignin-resin 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.



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ETCHING PRESS

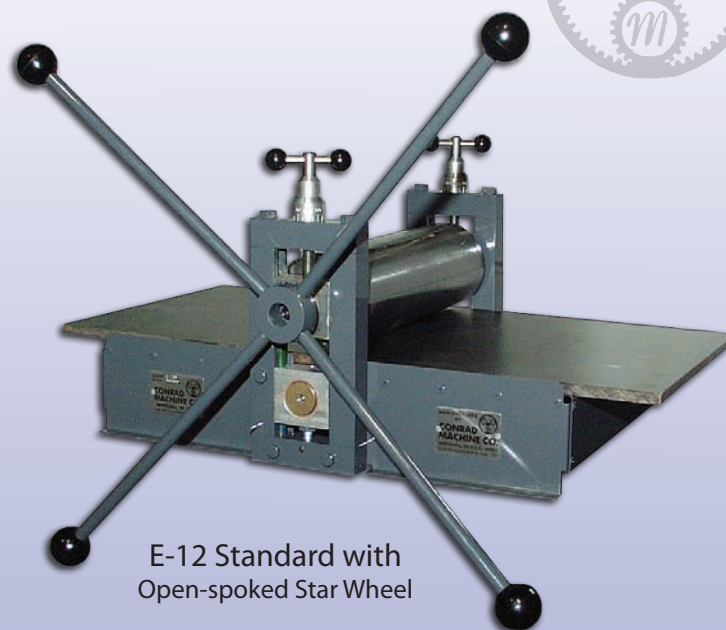


Featuring:

- Geared 6 to 1 reduction drive.
- Large counter-balanced 4.5" dia. upper roll.
- Composite, steel, or aluminium bedplate.
- Micro-gauges.
- Star wheel or hand crank.
- Large 5/8" pressure screws with lock nuts.
- Custom engineered 24" long steel base.

"I wanted to let you know how **pleased** I am with my... Etching press. I work mostly with **Mezzotint**, which is a very delicate image to print. Your press prints my plates **beautifully**, with practically no wear to the plates even after 70-80 impressions."

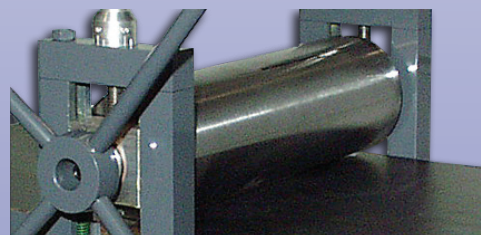
-Christopher W. Nowicki
Artist



E-12 Standard with
Open-spoked Star Wheel

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:

Overall Dimensions:
Hand Crank:
Star Wheel:
Upper Roll:

Composite Bed:
Steel Bed:
Aluminum Bed:
Shipping Weights:

E-12

24" L x 22.5" W x 14" H
10" Throw Aluminum
34" diameter
3" diameter standard
4.5" diameter optional
12" x 24" x 1/2" - 7.5 lbs.
12" x 24" x 3/8" - 31 lbs.
12" x 24" x 3/8" - 11 lbs.
83 lbs. with steel rolls- less bed

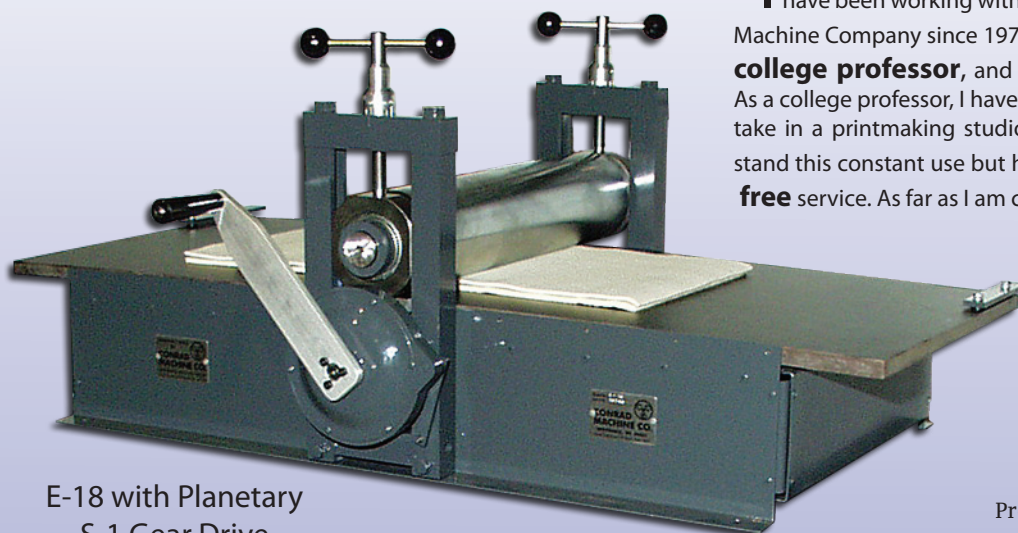
E-15

30" L x 25" W x 14" H
10" Throw Aluminum
34" diameter
4.5" diameter standard
6" diameter optional
15" x 30" x 1/2" - 11.5 lbs.
15" x 30" x 1/2" - 40 lbs.
15" x 30" x 1/2" - 22 lbs.
98 lbs. - less bed

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CONRAD E-18 & E-24



E-18 with Planetary
S-1 Gear Drive

"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-

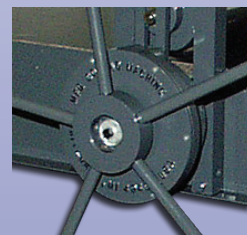
contained double reduction planetary gear drive. No chains means no misalignments. This drive is mounted directly on the roll. Don't settle for something less than the best. Options include a star wheel in place of a hand crank. (Shown above on a C-25)



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.

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

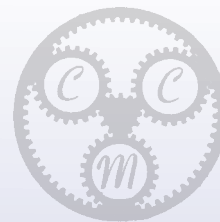


The base of the press is formed from heavy gauge sheet steel. The heavy gauge steel is riveted together to form a sturdy box section that is resistant to twisting and tipping. Unlike many of our competitor's presses, the base extends the full length (36" or 48") of the bed plate. The vertical frame is 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.

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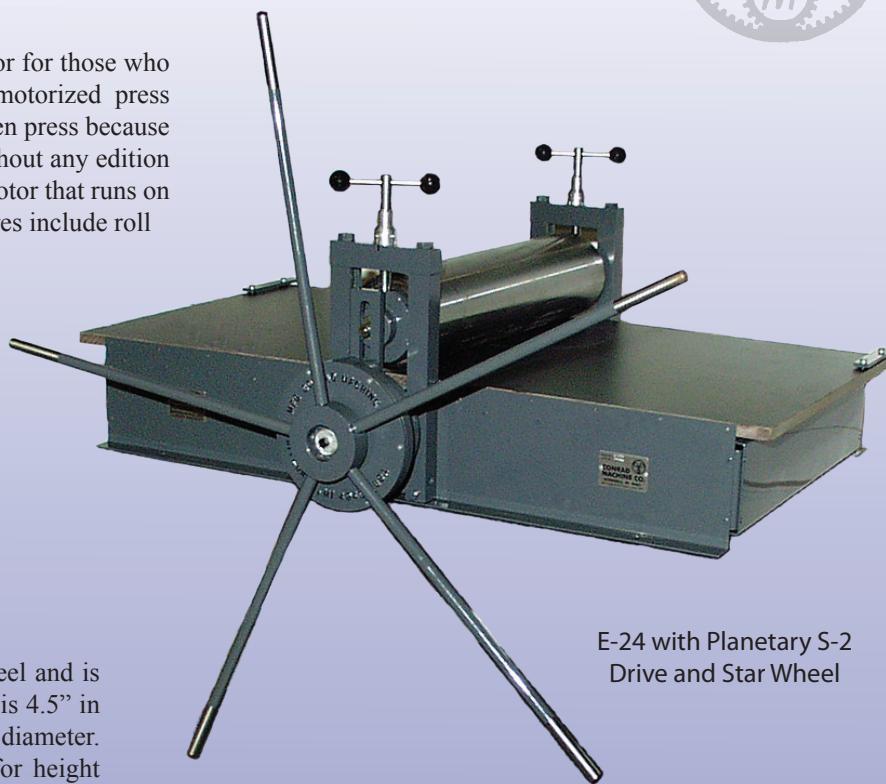
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ETCHING PRESS



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.

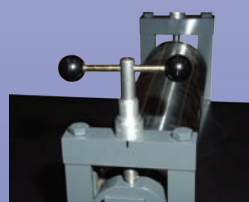


E-24 with Planetary S-2 Drive and Star Wheel

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:
Hand Crank:
Star Wheel:
Upper Roll:

Composite Bed:
Steel Bed:
Aluminum Bed:
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
18.75" x 44" x 3/4" - 26 lbs.
18" x 36" x 3/4" - 140 lbs.
18.75" x 36" x 3/4" - 49 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 1"
24" 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

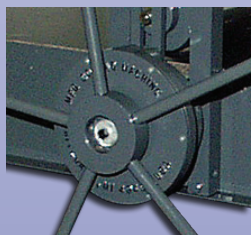


E-31 with Planetary
S-2 Gear Drive

"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

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.



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.

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

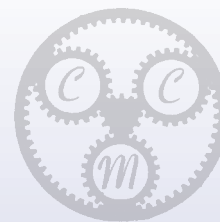
all share a common center line to eliminate twisting or bending of the frame under high printing pressure.



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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

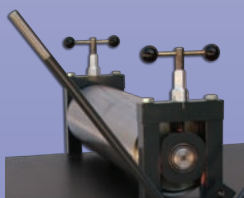


E-37 with Planetary S-2
Drive and Star Wheel

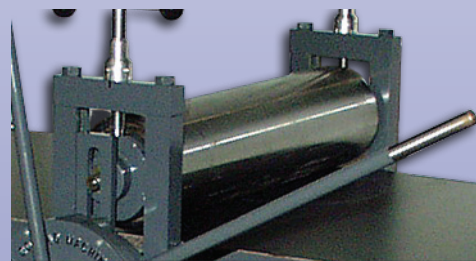
Rolls and Bearings

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:

Overall Dimensions:
Star Wheel:
Upper Roll:
Composite Bed:
Steel Bed:
Aluminum Bed:
Shipping Weights:
Flat Skid:
Enclosed Crating:

E-31

54" L x 41" W x 22" H
34" or 48" diameter
7.5" diameter standard
30.5" x 54" x 3/4" - 62 lbs.
30.5" x 54" x 3/4" - 350 lbs.
30.5" x 54" x 3/4" - 121 lbs.
530 lbs. Less bed
75 lbs.
150 lbs.

E-37

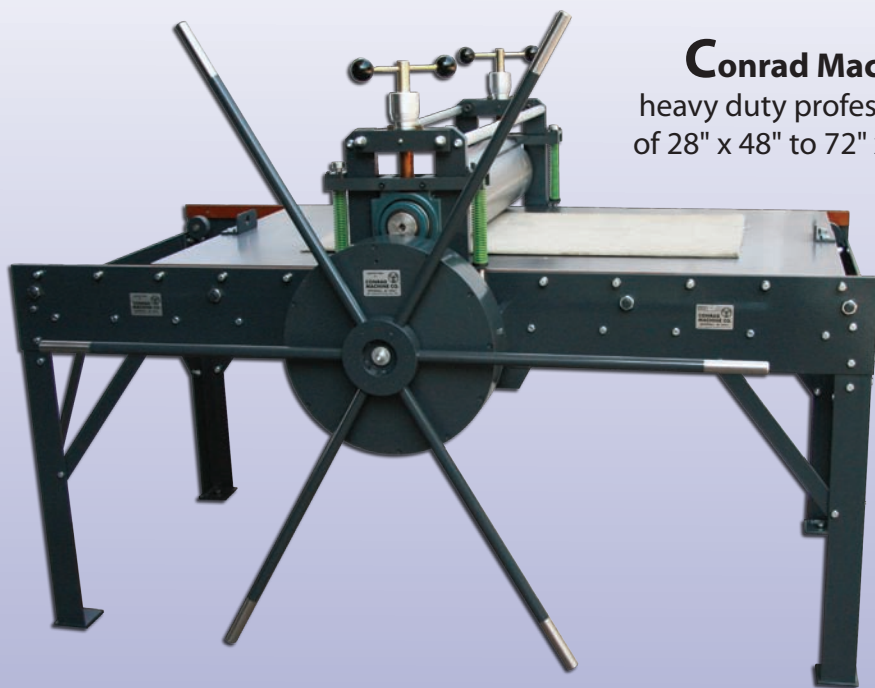
54" L x 47" W x 22" H
34" or 48" diameter
7.5" diameter standard
36.5" x 54" x 3/4" - 74 lbs.
36.5" x 54" x 3/4" - 420 lbs.
36.5" x 54" x 3/4" - 145 lbs.
630 lbs. - less bed
85 lbs.
170 lbs.

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ETCHING PRESSES

THE CONRAD FLOOR



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

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.

"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**."

- Treacy Ziegler
Artist

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.



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.

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.

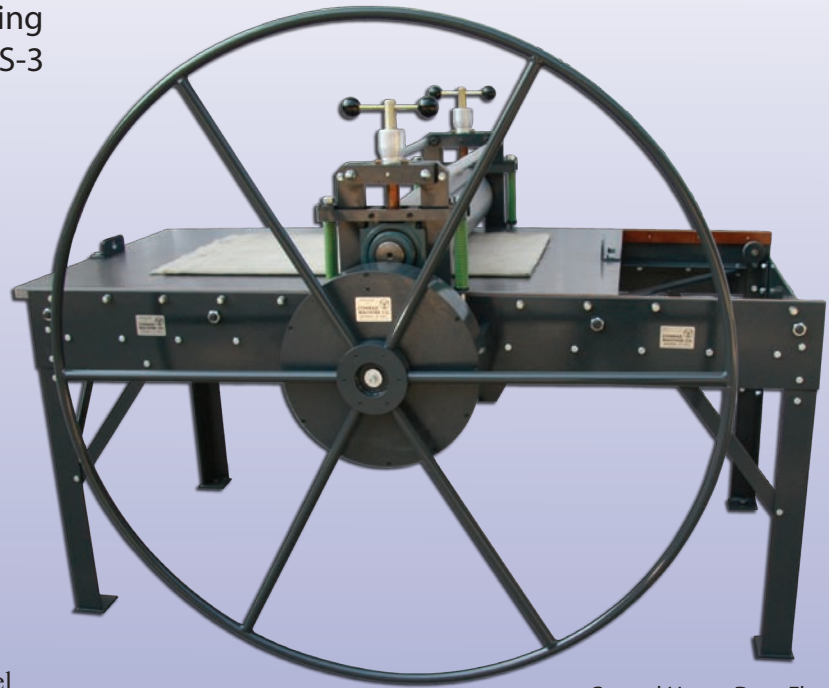
Conrad Machine Co. 1525 S. Warner St. Whitehall, MI 49461 Made in the **U.S.A.**
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MODEL ETCHING PRESSES

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

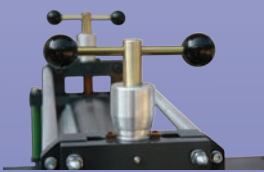


Conrad Heavy Duty Floor Model Etching Press

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. Over-size 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

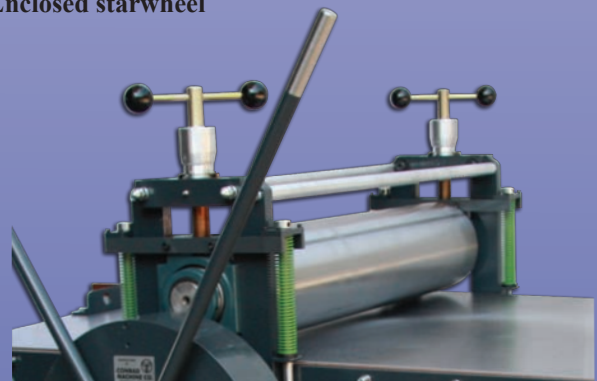
the same thickness as a human hair! The Conrad Machine Co. micro-gauges are the very best in the printmaking industry.

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**



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ETCHING PRESSES

THE CONRAD C-16

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



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.

"I enjoy and am **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

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.

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.

Rolls and Bearings

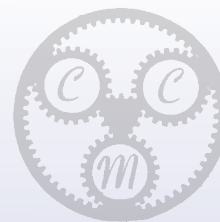


The upper roll is 4 1/2" diameter and made from special pre-stressed steel tubing. This makes the roller very strong but light enough that one person can change over to the litho process. The lower roll is made from 4 1/2" diameter

steel. An optional 6" upper roll is available for those printmakers desiring a larger upper roll.

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COMBINATION PRESS



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



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

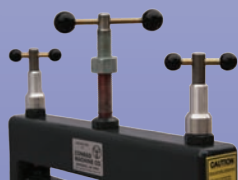
Pressure Screws

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.

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:
Hand Crank:
Upper Roll:
Lower Roll:
Composite Bed:
Lower Auxiliary Rolls:
Drive:
Geared:

C-16

220 lbs.
10" Throw Aluminum
4.5" dia. tubular steel
4.5" dia. steel
16" x 32" x 3/4"
16 hard rubber wheels
Conrad Planetary Series 1
Reduction drive 6:1



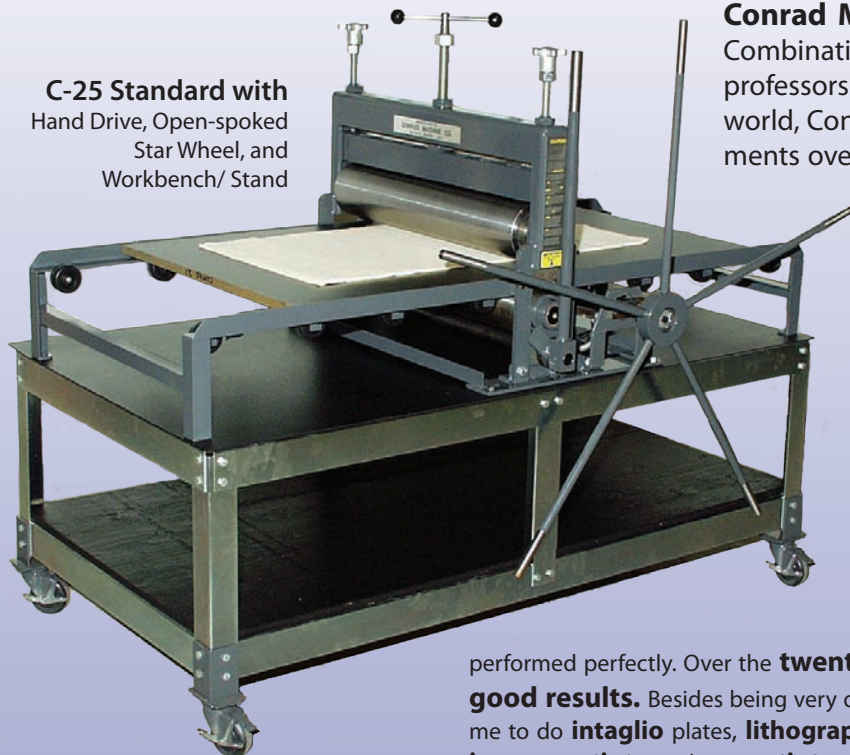
All Conrad Machine Co. Presses come with the industry's best 25-Year Warranty. We believe in our products, so much so, that we will repair or replace any defects in materials or workmanship for the first 25 years of the life of your press.

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THE CONRAD C-25

C-25 Standard with
Hand Drive, Open-spoked
Star Wheel, and
Workbench/ Stand



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.



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.

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.

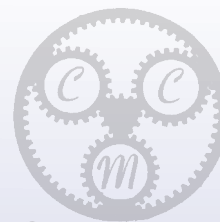
Pressure Screws

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.

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COMBINATION 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

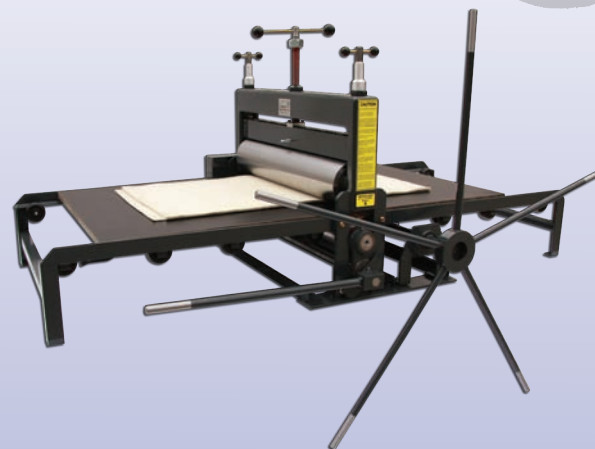


One of the most sought after options we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .005" per line. This means you can adjust each

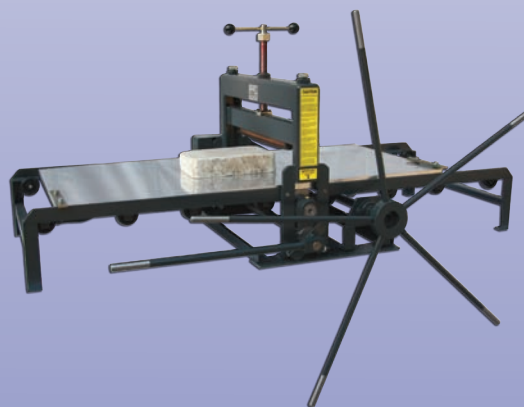
pressure screw by about the same thickness as a human hair! The Conrad Machine Co. micro-gauges are the very best in the printmaking industry.

Specifications:

Overall Dimension:	C-25 64" L x 39" W x 30" H - 550 lbs.
Hand Crank:	10" Throw Aluminum
Upper Roll:	5" diameter tubular steel
Lower Roll:	4.5" diameter solid steel
Composite Bed:	27" x 48" x 3/4"
Lower Auxiliary Rolls:	16 Hard rubber wheels
Scraper Housing:	Inside dimension 7/8" x 26"
Hand Drive:	Std. 4:1 chain drive, S-2 6:1 geared drive, or Conrad Twin-Torque, 5:1 and choice of 10-15-20 or 25:1
Motor Drive:	1/2 HP, 110/120 V, 60 or 50 Hz



The versatile **C-25** set up as an Etching Press with the Twin-Torque drive and star wheel with 4.5" diameter upper roll installed in the scraper bar housing.



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 spoked 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.

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COMBINATION PRESSES

CONRAD MONOTYPE



Monotype 18" with Direct Drive, Open-spoked Star Wheel, and Micro-gauges.

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 a 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

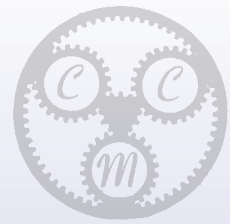
The vertical frame is constructed of solid steel angle. The frame, pressure screws, bearing blocks, and lower roll adjusting screw all share a common center line to eliminate twisting or bending of the frame under high printing pressure.



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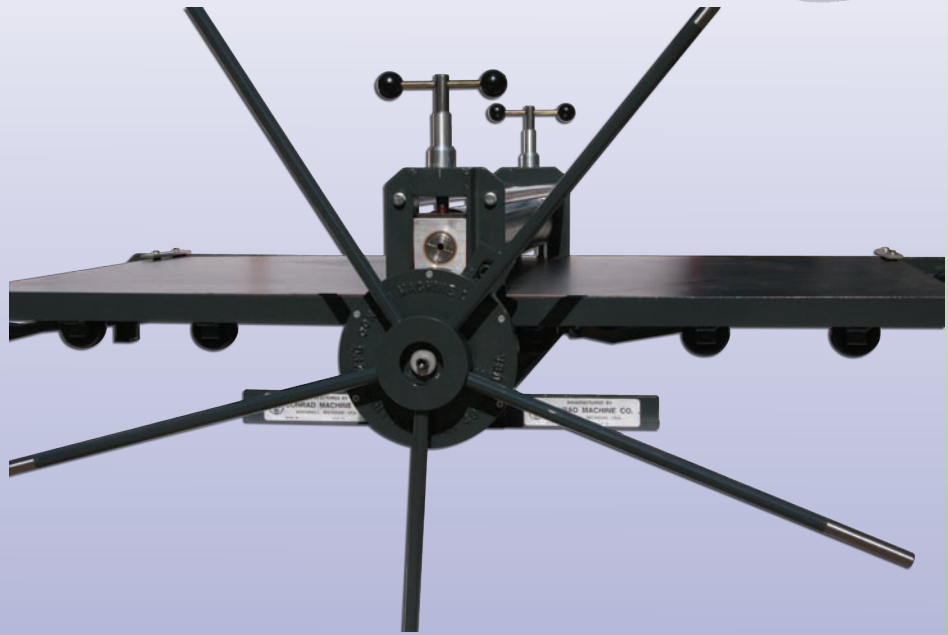
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PRESSES

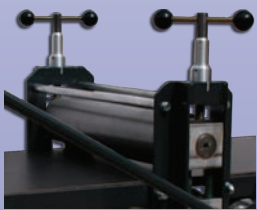


Conrad Machine Co.

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.



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.

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.

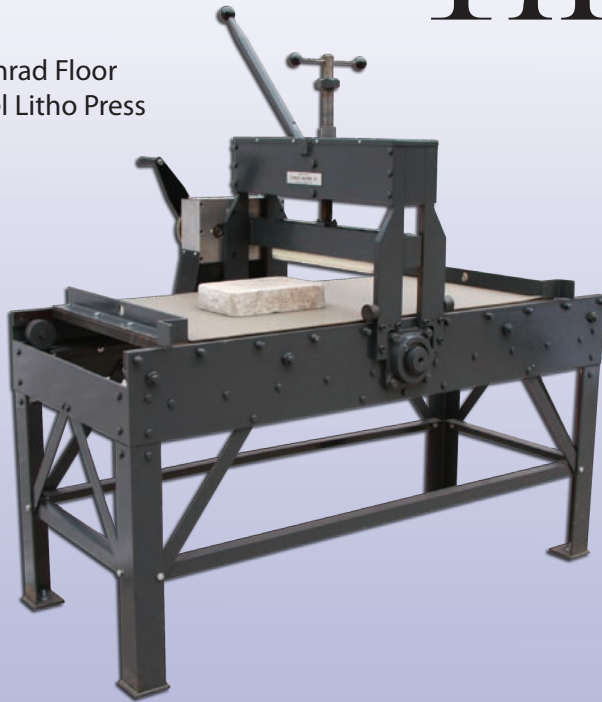
3/4" thick composite laminate.

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THE CONRAD

Conrad Floor
Model Litho Press



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

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 thermoset 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.



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.

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.

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LITHOGRAPHY PRESS

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

Features

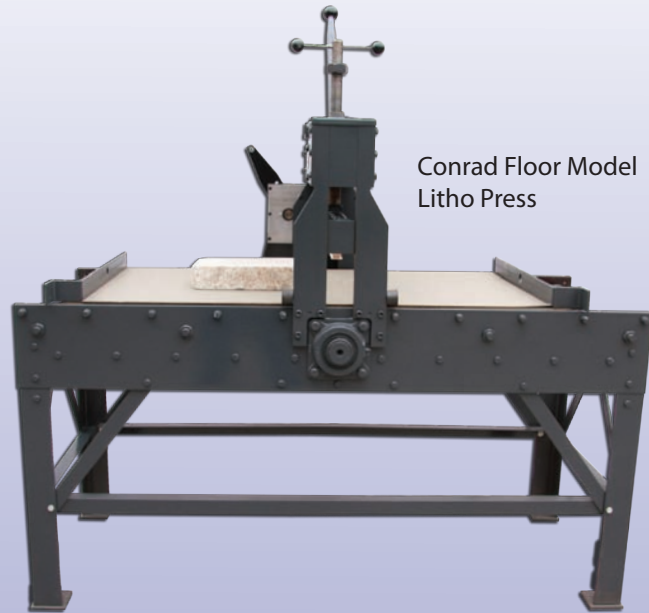
- Fully adjustable center pressure screw with locking device that can be adjusted down to the bed plate eliminating the need for risers.
- Self centering scraper bar.
- Rock hard maple bed or ground steel bed.
- All steel construction.
- Single lever pressure actuator.
- Full length adjustable bed guides.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



Frame



The frames of these floor model presses are fabricated from heavy solid steel plate, reinforced and cross braced to maintain alignment. The legs are equipped with leveling screws for precise leveling. An optional storage shelf is available under the lower roll.



Conrad Floor Model Litho Press

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.
- Castors:** set of 4 removable all-swivel, all-locking casters.

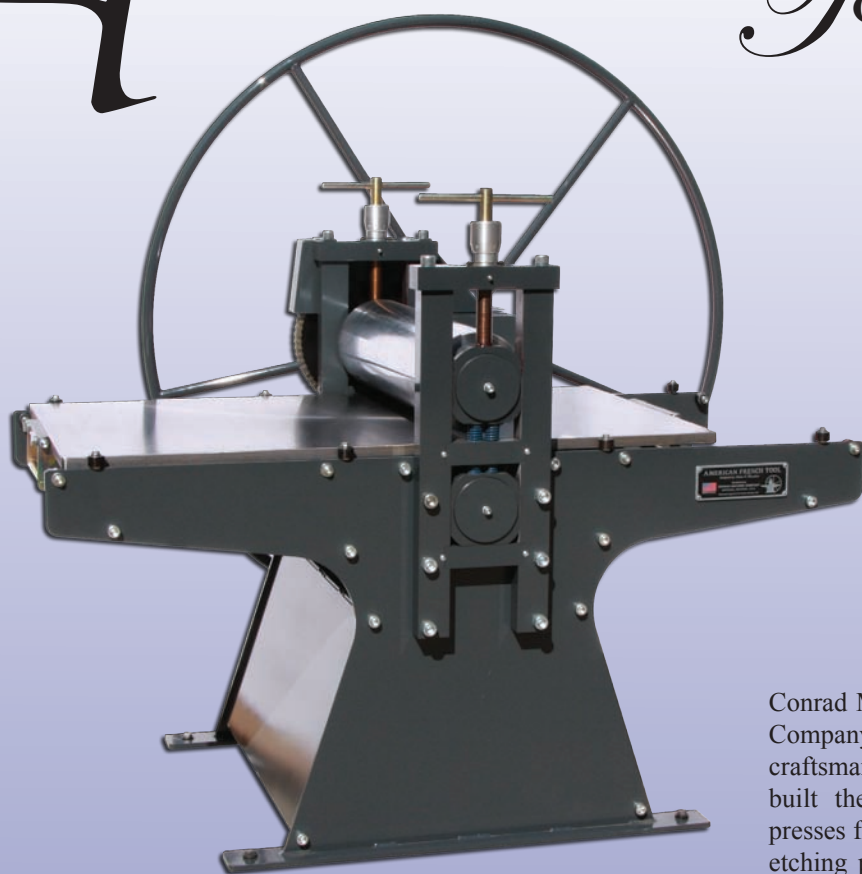
Specifications:

	FML-24	FML-30	FML-36	FML-40
Bed- Ground Steel:	24" x 48" x 7/8"	30" x 48" x 1"	36" x 60" x 1 1/8"	40" x 72" x 1 1/8"
Bed- Solid Hard rock maple:	24" x 48" x 2.5"	30" x 40" x 2.5"	36" x 60" x 2.5"	40" x 72" x 2.5"
Drive- Standard:	Conrad Twin-Torque	Conrad Twin-Torque	Conrad Twin-Torque	Conrad Twin-Torque
Drive- Option:	Disengagement Drive Clutch			
Rolls- Solid Steel:	6" Diameter	6" Diameter	6" Diameter	6" Diameter
Roll Bearings:	2" Ball Bearings	2" Ball Bearings	2" Ball Bearings	2" Ball Bearings
Scraper Bar Lift:	From 0" to 6"	From 0" to 6"	From 0" to 6"	From 0" to 6"
Scraper Bar Capacity:	7/8" x 25"	7/8" x 31"	7/8" x 37"	7/8" x 41"
Pressure Screws:	1.25" Acme	1.25" Acme	1.25" Acme	1.25" Acme
Overall Dimensions:	60" L x 40" W x 67" H	60" L x 46" W x 67" H	78" L x 48" W x 67" H	78" L x 52" W x 67" H
Shipping Weights:	1,000 lbs.	1,200 lbs.	1,650 lbs.	1,900 lbs.

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AMERICAN FRENCH TOOL FLOOR MODEL



American French Tool 30" Floor Model Etching Press with Standard 60" Enclosed Star Wheel and Micro-gauges.

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.

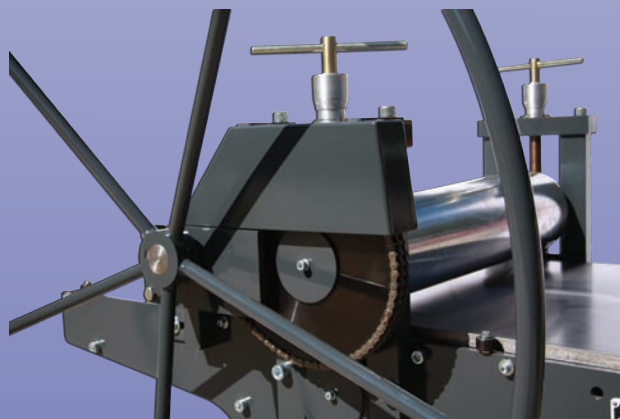


All Conrad Machine Co. Presses come with the industry's best 25-Year Warranty. We believe in our products, so much so, that we will repair or replace any defects in materials or workmanship for the first 25 years of the life of your press.

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

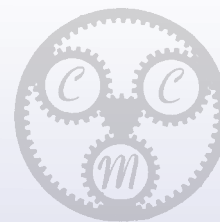


The American French Tool chain drive allows printmakers to pull prints effortlessly, even under the heaviest of pressures. The chain drive consists of an oversized, double-row sprocket mounted directly to the upper roll. The chain drive is powered by the beautiful, large 60" fully enclosed star wheel. 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.

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ETCHING PRESSES



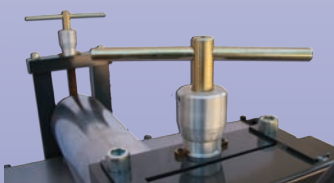
"We currently have two American French Tool presses here at Open Studio, one with a 30" x 48" bed and the other a 48" x 78" bed – we wouldn't trade them for anything! These presses are simply top of the line and true workhorses. Since 2002 I have been the Technical Director at Open Studio, an artist 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



American French Tool -
Motorized

Micro-Gauges

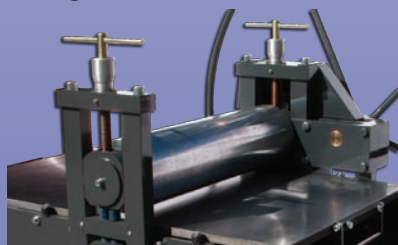


One of the most sought after features we offer is the micrometer gauge. The micro-gauge provides easy-to-repeat, precise settings. Our gauge is a barrel thimble type that is calibrated to .001" per line. This means

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 1/4" 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:** 1/2 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.
- Auxiliary Bed Support Rollers:** 16 roller bearings.
- 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.

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AMERICAN FRENCH TOOL TABLETOP

American French Tool Tabletop
24" with small Star Wheel and
Conrad S-2 Drive



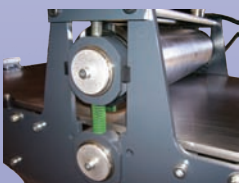
Conrad Machine Co. is proud to introduce the new American French Tool tabletop etching presses. We have taken the elegant design and stunning performance of the American French Tool floor model etching presses and created this beautiful tabletop line of etching presses. Now the world's most graceful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

"She is beautiful."

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

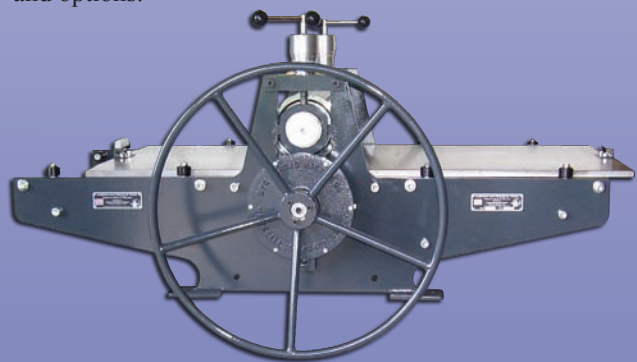
Rolls and Bearings

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

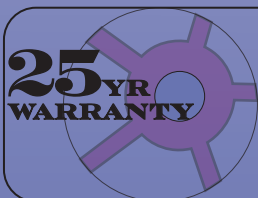
The American French Tool tabletop etching press can be custom built with either a direct drive or a geared drive. A direct drive, as shown on the following page, utilizes a fully enclosed star wheel mounted directly to the upper roll for its pulling power. For printmakers who want the ease of a geared 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.

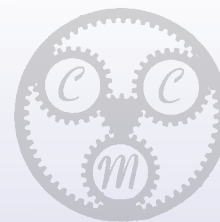


All Conrad Machine Co. Presses come with the industry's best 25-Year Warranty. We believe in our products, so much so, that we will repair or replace any defects in materials or workmanship for the first 25 years of the life of your press.

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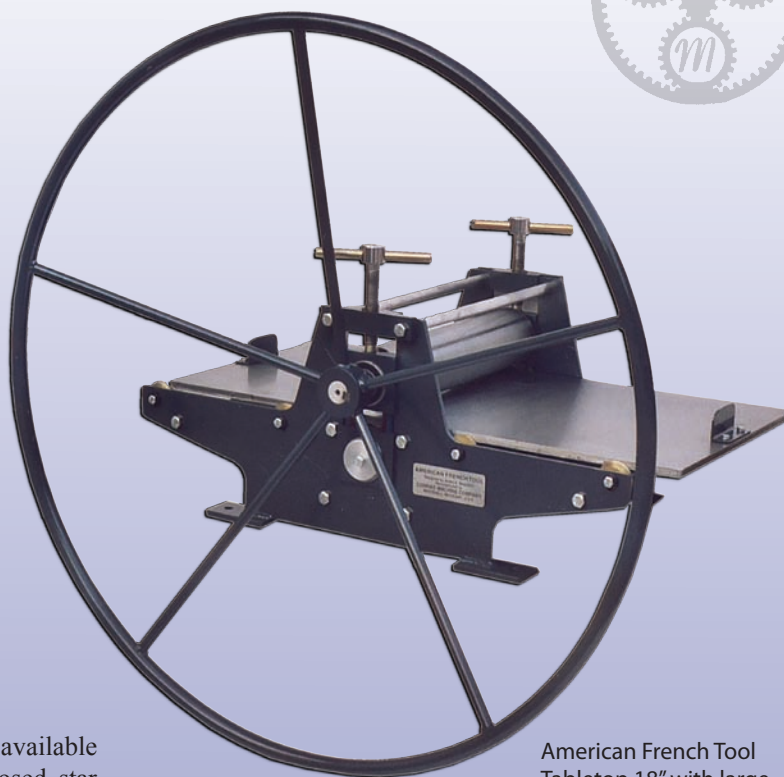
ETCHING PRESSES



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



American French Tool
Tabletop 18" with large
Direct Drive Star Wheel

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

Overall Dimensions LxWxH:

Geared Drive:

Direct Drive:

Star Wheel:

Hand Crank:

Upper Roll:

Micro-Gauges:

Auxiliary Bed Support Rollers

Bed Stops:

Composite Bed:

Steel Bed:

Aluminum Bed:

Shipping Weights:

AFT 12" x 24"

29" x 18" x 17"

6 to 1

Star Wheel

Open 36" Diameter

Geared

4 1/2" Diameter

Optional

Standard

Optional

1/2" x 12" x 27"

1/2" x 12" x 27"

150 lbs.

AFT 18" x 36"

35" x 23" x 18"

6 to 1

Star Wheel

Enclosed 44" Diameter

Geared

4 1/2" Diameter

Optional

Standard

Optional

1/2" x 18" x 36"

1/2" x 18" x 36"

350 lbs.

AFT 24" x 48"

52" x 30" x 21"

6 to 1

Star Wheel

Enclosed 44" Diameter

Geared

6" Diameter

Optional

Standard

Optional

5/8" x 24" x 48"

5/8" x 24" x 48"

573 lbs.

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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.