

Kluge

**Kluge EHD***Foil Stamping, Embossing & Die Cutting Press***Applications**

- Pocket folders
- Greeting cards
- Envelopes
- Annual report covers and corporate materials
- Packaging
- Paperback book covers
- Pressure sensitive labels
- Die cutting and kiss cutting
- Security printing
- Holograms
- Liquor and wine labels
- Stationery
- Case bound book covers

**Foil Stamping. Embossing. Die Cutting.**

Striking graphic finishing techniques that add value to any printed piece. Used individually or in combination, these techniques transform the ordinary into extraordinary.

To achieve results like these, results your customers have come to expect, you need a press that combines strength and heat with precision. And that's exactly what you'll find with the Kluge EHD Series Foil Stamping, Embossing and Die Cutting Press. A welded steel frame, solid steel sidearms and a cast iron bed and platen give the press unprecedented strength. The dual zone temperature control hot plate provides accurate heat

regulation, while precision components machined in-house provide press accuracy and repeatability. These standard elements, integrated with Kluge's precise press controls, insure quality results.

Today, throughout the world, Brandtjen & Kluge, Inc. is recognized as the leading manufacturer of rugged, dependable, easy to use and affordable finishing equipment.

In fact, the trade name "Kluge" has become synonymous with quality foil stamping, embossing and die cutting. With the Kluge EHD, you'll be assured of complete and solid foil stamping coverage, deep, crisp embossing and clean, accurate die cutting.

The Kluge EHD has design features for improved production:

- Straight-in/straight-out feeding motion prevents misfeeding of stock and assures accurate sheet registration.
- Open bottom magazine allows accurate feeding of odd-shaped and circular cut stock.
- Adjustable bottom gauge band provides quick, accurate positioning of the sheet.

The Kluge EHD comes equipped as standard with a number of features designed to make it extremely user-friendly:

- Swing away magazine and feeder arm allow for complete access to the platen area for easy make-ready and setup.
- Central location of all press controls
- Three-draw foil pull system
- Ability to foil stamp and emboss anywhere within the platen area
- Impressional strength greater than any press in its size range
- Dual zone hot plate with independent controls
- Air blast foil release system
- Patented delayed dwell system doubles impression time with no sacrifice of press speed

The Kluge EHD is available in two sizes to best meet your production needs.

*Kluge — the next generation of print and print finishing equipment.*



▲ Kluge EHD Foil Stamping, Embossing & Die Cutting Press

## Standard Equipment

### Feeder

- Magazine aprons
- Magazine comb springs
- Set of gripper fingers
- Rotary vacuum pump with separate motor
- Special "feed without impression" control

### Platen Area

- 11/16" recessed bed casting which allows for 1/4" standard height dies
- Delayed dwell system
- Die heating plate with dual thermostatic heat controls and solid state relays

### Delivery

- Four-finger delivery system
- Impression counter

### Foil System

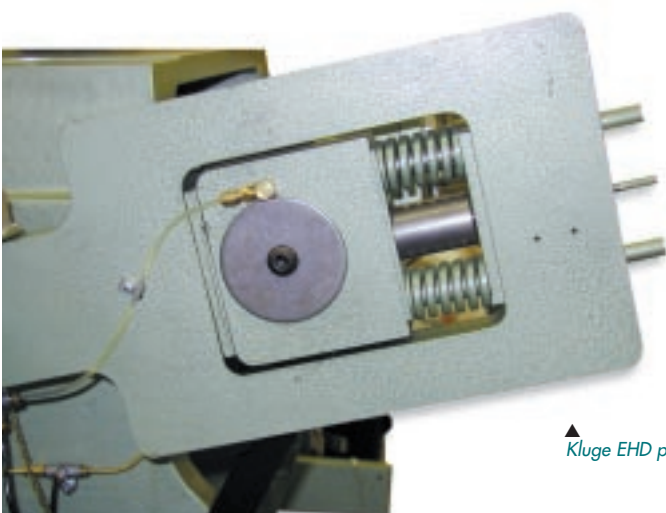
- Three-draw roll leaf feeder with rewind unit
- Two air blast foil release (requires separate

### Hardware

- Lightweight toggle base with four brass bearers mounted
- Two steel chases
- 1/8" steel die cutting plate
- 1/16" steel die cutting plate
- Toggle hooks, keys and bits
- Set of double thick bottom and side guides
- Two offset grippers
- Two offset side guides
- Two sets of sheet holder tongues
- 48 rubber suckers

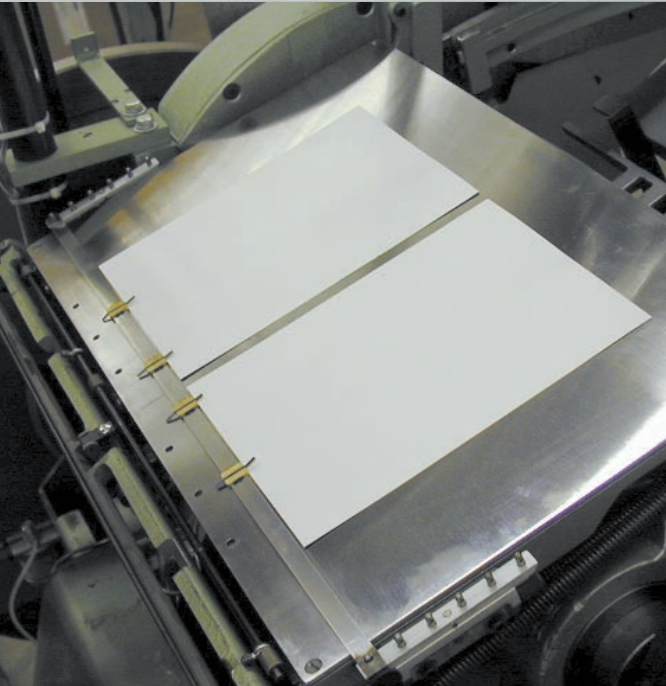
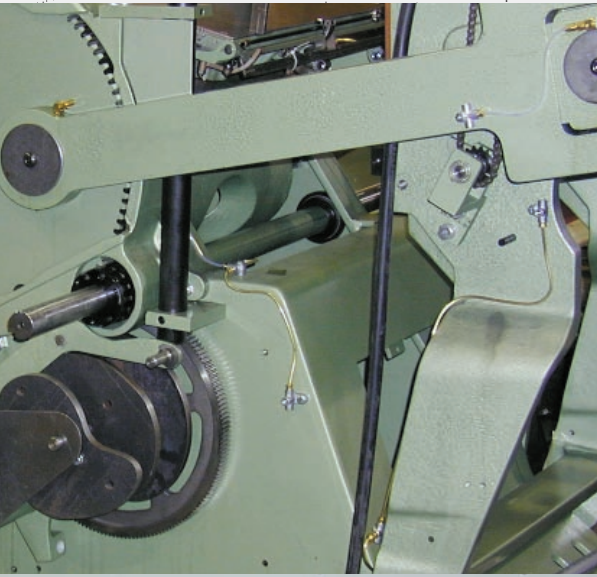
### Mechanical/Safety

- Auto lubrication system
- Oil drip pan
- Complete guarding with electric interlock system
- Air brake system (requires separate compressor or air system)
- Set of mounting pads
- Set of adjustment tools



▲ Kluge EHD patented delayed dwell system





## Optional Equipment

### General

- *Mobile Control Console/Tool Box*  
Control and monitor all functions from one central location
- *CE Compliance Package*

### Leafer

- *Electronic Leafer*  
Electronically programs foil draw to minimize waste
- *Hologram Registration Unit*  
Provides exact register of hologram foil to die for proper image transfer

### Feeder

- *Wide Magazine*  
Feeds a 26-1/4" wide sheet versus 24-3/4" standard
- *Pre-Load Magazine*  
Increases production capability
- *Two-Up Feeding Attachment*  
Doubles production with no reduction in speed

### Delivery

- *Mechanical Jogger*  
Straightens delivery pack for easy reloading and faster packaging
- *Delayed Delivery*  
Allows stock greater than 14" in height to be run without interference from the delivery arm
- *Missed Sheet Detector*  
Minimizes downtime and material waste

### Platen Area

- *Micrometer Adjustable Gauge Band*  
Facilitates quick and accurate stock registration
- *Filler Plate (11/16")*  
For use with die cutting
- *Electric Speed Control*  
More accurate and efficient than crank style controls

Optional pre-load magazine



▲ Clockwise from top: Kluge craftsman putting the finishing touches on an EHD; operator console for remote mobile control box; micrometer adjustable gauge band; dual heat zone controls for hot plate

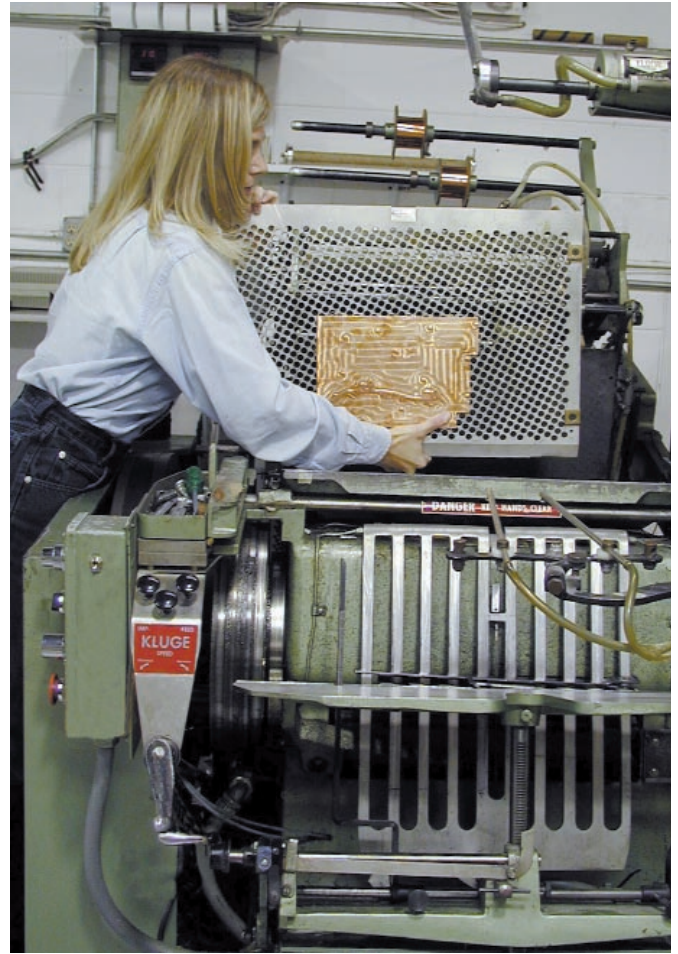
# Kluge EHD Series | Foil Stamping, Embossing and Die Cutting Press

## General Specifications (13 x 19 Press)

Main Unit: . . . . . 13" x 19" (330 mm x 483 mm)  
Length: . . . . . 74" (1880 mm)  
Width: . . . . . 50" (1270 mm)  
Height: . . . . . 68" (1727 mm)  
Net Weight (approx.): . . . . . 4300 lbs (1950 kg)  
Shipping Weight (approx.): . . . . . 4900 lbs (2222 kg)  
Operating Speed: . . . . . up to 3,300 iph  
Maximum Sheet Size: . . . . . 14" x 20" (356 mm x 508 mm)  
Minimum Sheet Size: . . . . . 2" x 3" (50 mm x 76 mm)  
Magazine Capacity: . . . . . 14" (356 mm)  
Delivery Capacity: . . . . . 14" (356 mm)  
Inside Chase Dimensions . . . 13" x 19" (330 mm x 483 mm)  
Outside Chase Dimensions . . . . . 15-1/2" x 20-1/2"  
 . . . . . (387 mm x 521 mm)  
Main and back shaft diameter . . . . . 4-3/8" (111 mm)  
Stock Range: . . . . . Onion skin to .200" board  
Electrical: 3 h.p., A.C 230/460 volt, 3-phase, 1800 rpm,  
60 cycle constant speed motor with v-belt drive and variable  
pitch pulley. Other voltages and cycles available.  
Air: . . . . . 90 psi @ 10 cfm

## General Specifications (14 x 22 Press)

Main Unit: . . . . . 14" x 22" (356 mm x 559 mm)  
Length: . . . . . 74" (1880 mm)  
Width: . . . . . 50" (1270 mm)  
Height: . . . . . 68" (1727 mm)  
Net Weight (approx.): . . . . . 4400 lbs (1996 kg)  
Shipping Weight (approx.): . . . . . 5000 lbs (2268 kg)  
Operating Speed: . . . . . up to 3,300 iph  
Maximum Sheet Size: . . 15" x 24-3/4" (381 mm x 629 mm)  
Minimum Sheet Size: . . . . . 3" x 3" (76 mm x 76 mm)  
Magazine Capacity: . . . . . 14" (356 mm)  
Delivery Capacity: . . . . . 14" (356 mm)  
Inside Chase Dimensions . . . 14" x 22" (356 mm x 559 mm)  
Outside Chase Dimensions . . . . . 16-1/4" x 23-1/2"  
 . . . . . (413 mm x 597 mm)  
Main and back shaft diameter . . . . . 4-3/8" (111 mm)  
Stock Range: . . . . . Onion skin to .200" board  
Electrical: 3 h.p. A.C 230/460 volt, 3-phase, 1800 rpm, 60  
cycle constant speed motor with v-belt drive and variable pitch  
pulley. Other voltages and cycles available.  
Air: . . . . . 90 psi @ 10 cfm



▲ Kluge lightweight toggle base (press shown is opened up to allow complete access to platen area)



Brandtjen & Kluge, Inc.,  
539 Blanding Woods Road  
St. Croix Falls, WI 54024  
Toll-free in U.S./Canada: (800) 826-7320  
Phone: (715) 483-3265  
Fax: (715) 483-1640

[www.brandtjenandkluge.com](http://www.brandtjenandkluge.com)

Be sure to read carefully the most current Application, Installation, Operation, Inspection and Maintenance Manual for this product. Also, Brandtjen & Kluge Warranty, Policy Disclaimer and Limitation of Liability are part of any transaction relating to this equipment. Specifications subject to change without notice.