Kluge 14x22 ApexFoil™ Foil Stamping, Embossing & Diecutting Press

Now you can control the 3 - T's: **T**ime - **T**emp - **T**onnage

- TRU-DWELL™ Patented Adjustable Dwell System
- TRU-TEMP™ Dual Surface Heating System
- TRU-TON™ Adjustable Impression System

Overview

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

The process of foil stamping and embossing requires a combination of impressional strength, heat and time on impression. At Kluge, we understand this process, and our presses are designed from the ground up to perform to the demands of the market.

All Kluge presses start with a welded steel frame, solid steel side arms and a cast iron bed and platen.

Impressional strength, controlled heat and dwell time are the core elements that make the Kluge ApexFoil Press the gold standard of the industry.

Foil Stamping, Embossing & Diecutting Applications

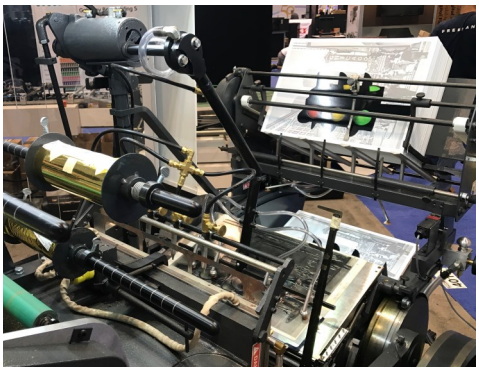
- Folding Cartons
- Greeting cards
- Holograms and security
- Presentation/pocket folders
- Paper/hard back book covers
- Labels
- Business cards
- Digital Workflow
- Letterhead/stationery
- Announcements
- Report covers
- Packaging
- Diecutting/kiss cutting
- Media and mailing

Features

- The newly designed Compass™ Control System features a PLC touch-screen interface for easier operation, enhanced control, and easy to program foil advancing. Ultimately this design reduces or eliminates make-ready on most jobs, permits a wider range of applications, and over all makes the press Operator friendly.
- Clearview interlocking safety guards with LED lighting, make it safe and convenient to access all operational points of the press.
- A Delrin® surface provides a convenient resting space for the die mounting and diecutting chase.
- Programmable foil system with touchscreen interface. Stepper motor drives can control motions to within .001"; this allows the unit to hold a tolerance as close as +/- .016" at the foil gap.
- Air Controlled Foil Separators result in better foil transfer quality and allow for faster operating speeds.
- 24/7 programmable heat controls with pre-heat capability allows press temperature to be ready as programmed which reduces set-up time.
- Foil, Die and Make-ready alignment system making make-ready time faster and more accurate.
- Light-weight die mounting plate; honeycomb design provides an infinite range of secure die mounting positions. Weighing only 14 lbs. this makes mounting the plate nearly effortless for the operator.
- Missed sheet detector eliminates damaged dies and counter-dies.
- Quick-set tool-less side guide adjustment change from LH to RH in seconds.
- Micro-adjustable head-stop registration, assures accurate product registration and reduces set-up time.
- A variable frequency drive offers more flexibility to address challenging jobs.

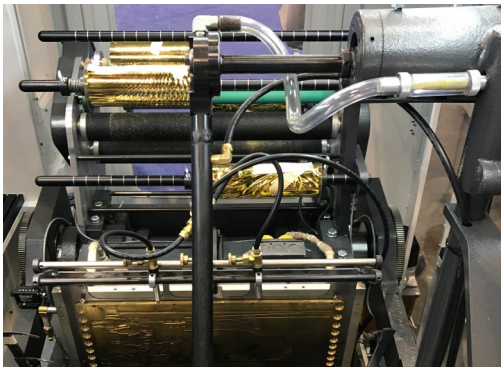
KLUGE®

ApexFoil™



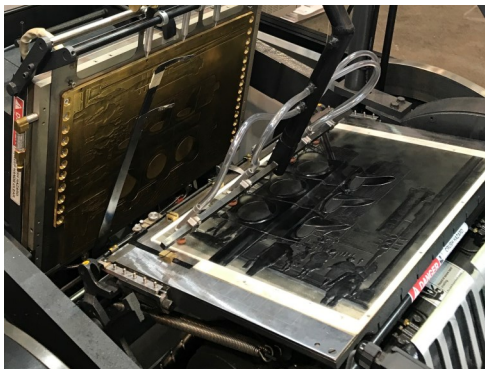
Feeder

Kluge feeders offer ease of operation and unmatched versatility. Their straight-in/-out motion prevents mis-fed stock, can feed a wide range of material thicknesses and ensures registration of +/- .004". The open bottom design and air blast allows odd-shaped stock to be easily fed. The feeder can be swung away for make-ready.



Electronic Foil Control System

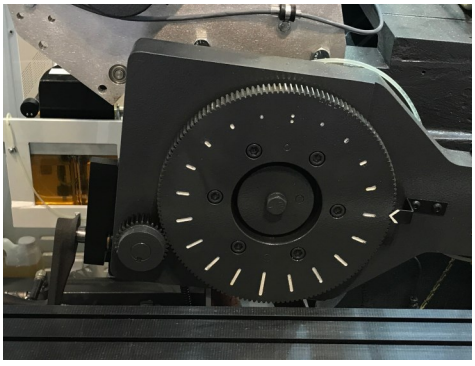
Programmable foil system with touchscreen interface. Stepper motor drives can control motions to within .001"; this allows the unit to hold a tolerance as close as +/- .016" at the foil gap.



TRU-TEMP™ Dual Surface Heat Control

Provides dual zone heat control for dies mounted to the bed and heat control for counter dies on the platen. Reduces temperature loss when sheets and make-ready contact die surface. Increases temperature of substrate to allow more effective converting of multiple substrates like plastic and heavy board stock.

**Optional SpeedChase® pictured above*



TRU-TON™ Adjustable Impression System

Reduces or eliminates the use of packing material in make-ready. Simple single point adjustment control to increase tonnage (impression/pressure). Greatly reduces make-ready time allowing more jobs to be processed in a single shift. Requires lower operator skill level.

TRU-DWELL™ Patented Adjustable Dwell System

Touch screen control to stop/dwell press at any position in the press operating cycle, most used at "dead-center" impression. Adjustable up to 3 full seconds of dwell time. Significantly expands the number of substrates that can be processed. Increased capability to run dies that have high tonnage ratings.

Delivery

The Kluge delivery system utilizes a four-finger delivery arm operating via a straight-out motion. Combined with a receding pile delivery table and impression counter, the Kluge ApexFoil will not damage stock and gives the operator an accurate count of stock run.

Specifications		ENGLISH	METRIC
Platen Size		14" x 22"	356 mm x 559 mm
Length, Width & Height		112", 60", 79"	2845, 1524, 2007 mm
Net Weight (approx.)		4900 lbs	2223 kg
Operating Speed	Up to 3300 iph		
Maximum Sheet Size		17" x 24.75"	432 mm x 629 mm
Minimum Sheet Size*		4" x 5"	102 mm x 127 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		16.25" x 23.5"	413 mm x 597 mm
Stock Range	Onion Skin to .200" board		
Electrical	(Machine) 208/230V, 3 phase, 60 cycle, 30 Amp (Hot Plate) 208/230V, 3 phase, 60 cycle, 50 Amp		
Air	100 PSI @ 20 CFM		

Brandtjen & Kluge, Inc., 539 Blanding Woods Road, St. Croix Falls, WI 54024

Toll-free U.S./Canada: (800) 826-7320 | (715) 483-3265

sales@kluge.biz | www.kluge.biz | www.folder-gluers.com

**Standard delivery is available in place of Delayed Delivery, allowing for a minimum sheet size of 3" x 3" and a maximum sheet height of 15".*

WARNING: For literature purposes, guards and safety features may have been removed. Kluge products should never be operated without all proper guards fully functioning and in place. Kluge presses should never be hand-fed.