

## APPLICATIONS

### SECURITY

- ▣ Currency & Credit Card
- ▣ Stock Certificate & Legal Document
- ▣ Government Document (Passport, visa, etc)

### BENEFITS

- T**he benefits of using holograms in both security and non-security applications are widely recognized.
- ▣ **Combats Counterfeiting**  
Cannot be optically scanned by computer  
Cannot be reproduced with a photocopier
  - ▣ **Minimizes Document Tampering**  
Provides Product Authentication  
Quick and Easy Optical Validation  
Embedded and Hidden Images in the Hologram
  - ▣ **Increased Brand Sales**
  - ▣ **Enhances Packaging Appeal**
  - ▣ **Improves Consumer Brand Awareness**

## PRODUCT FEATURES

**P**EPL offers a cutting edge technology to make Registered Hologram Stamping fast, hassle free & cost effective through multiple pull (up to 3 at a time) along with foil saving. Our Registered Hologram Stamping device is equipped with a special mark sensor that ensures correct position of each foil so that the image is exactly positioned for each hologram.

The PEPL devices are a simpler and hassle free way to your Registered Hologram Stamping jobs.

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**P**iracy and duplication of identities, products and brand signatures is a major concern with the corporates.

Piracy can be effectively combated by making duplication difficult. The following measures are most commonly used against piracy

- ▣ Invisible Printing
- ▣ Thermal Inks
- ▣ Water Mark
- ▣ Hologram (Stamping and Sticker)

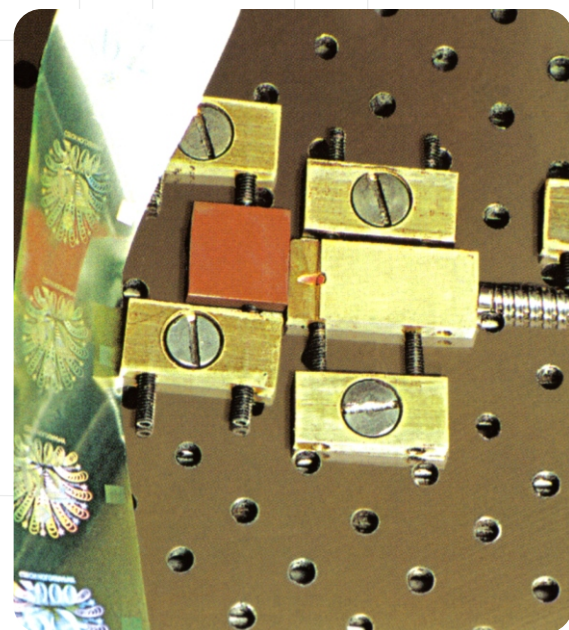
Most security techniques have their limitations and fail at some time or the other.

While Sticker Holograms can be scratched and removed by repeated use, Hologram Stamping is by far the most effective security device against counterfeiting in the field of credit cards and European banknotes. There are two kinds of Hologram Stamping Methods

- ▣ Registered Holograms Stamping
- ▣ Wallpaper stamping

Registered Holograms give an additional level of verification and security thereby making counterfeiting nearly impossible. In the corporate world the registered holograms are soon evolving as the next generation trademarks.

But, Registered Holograms are more expensive and complicated to create and transfer on the substrate, as compared to wallpaper holograms. While wallpaper holograms can be printed in bulk, Registered Holograms are usually printed one at a time.



## HOT FOIL ATTACHMENTS

**W**e at PEPL, have developed the skills to extract the best out of the used printing machines of the leading brands.

We recondition these machines to bring them to a perfectly working condition & then put our own foiling attachment on them to add value to their functioning. A great Foil Stamping machine is then ready for use.



## APPLICATIONS

- High Value Packaging
- Speciality Labels
- Hologram
- Security Applications
- Micro Embossing with Foil
- Gift Items

**H**eidelberg Cylinder Letterpress may be considered as one of the wonders of the world! Even after a contentious use of over half a century, this work horse runs like a young & strong race winner!

The biggest advantage of a converted letterpress machine is, it can run 16 foil strips as narrow as 10mm each in one single job! making holography feasible and affordable



1) Ease of stamping large solid patches.

2) Fine reverse images, and line work jobs are strong point of cylinder m/c.

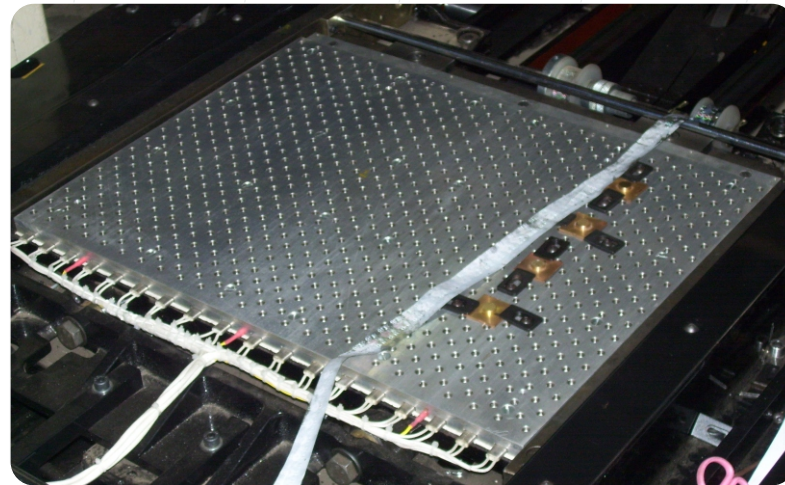
## TECHNICAL SPECIFICATIONS OF STAMPING ATTACHMENTS FOR HEIDELBERG CYLINDER

Mode	No of Heating zones	Min Foil Width	Max length of fresh foil	Rated Power	Pulling station
KSB (15x20") 38x51cm	3	10mm	240mtrs/88 dia	5KW	Single/Double
KSB (15.75"x23") 40x58cm	3	10mm	240mtrs/88 dia	5KW	Single/Double
KSB (16"x22.5") 41x57cm	3	10mm	240mtrs/88 dia	5KW	Single/Double
KSB (18"x23") 46x58cm	3	10mm	240mtrs/88 dia	5KW	Single/Double
S (21"x28") 54x72cm	4	10mm	240mtrs/88 dia	9KW	Single/Double
SB (21"x30") 54x76cm	4	10mm	240mtrs/88 dia	9KW	Single/Double
SBG (22"x30") 56x77cm	4	10mm	240mtrs/88 dia	9KW	Single/Double
SBB (22"x32") 56x81cm	4	10mm	240mtrs/88 dia	9KW	Single/Double
SBB1/2 (22.5x32.5") 57x83cm	4	10mm	240mtrs/88 dia	9KW	Single/Double
SBD (25"x35") 64x89cm	4	10mm	240mtrs/88 dia ext to 115 dia	9KW	Single/Double



## HEATER PLATE

**H**eater plate is made of imported aluminum, specially graded and machined for finest accuracy to ensure even surface, equal and rapid heat distribution and adequate compressive strength. Heater plates are equipped with uniquely designed and heavy-duty heaters with PID temperature controllers coupled with 3-phase solid state relays mounted in easily replaceable PC boards.

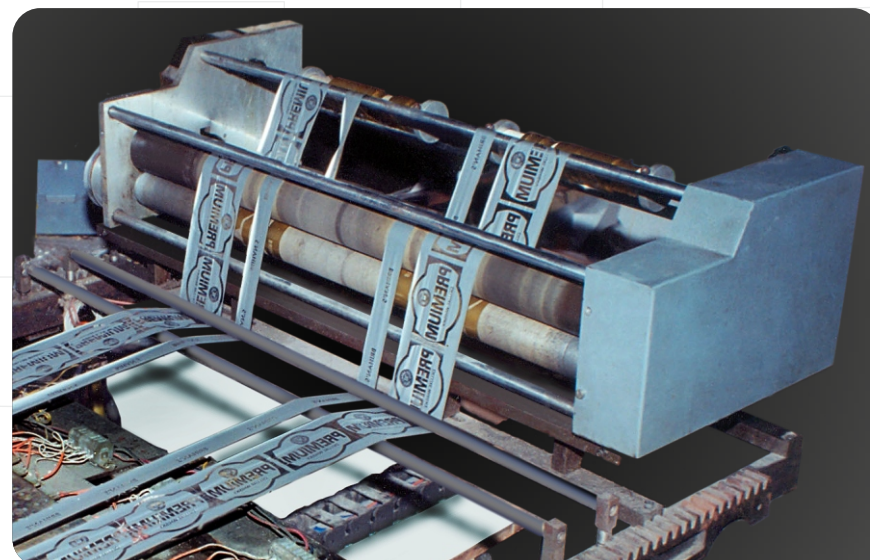


## CONTROL PANEL

**I**ntegrated control panel with easily replaceable makes maintenance very easy.

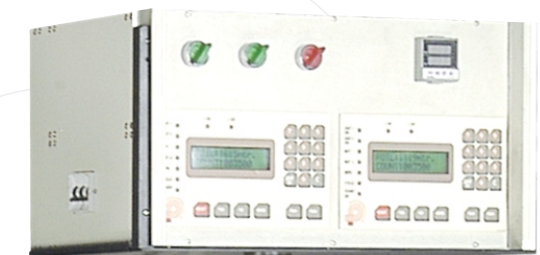
## PULLING UNIT

Foil pulling station allows better accuracy. All attachments are laced with foil saving features and user friendly operating systems with self fault diagnostics.



## SERVICE FEATURES

- SAFETY** - The foremost important aspect of any retrofit equipment is
- Machine safety** - PEPL takes utmost care to assure that the foiling attachment would never damage the machine. Special locking systems for foil bars, stamping dies and heaters safety is assured in the system.
- Operator's safety** - Lockable sliding safety guards are provided on the moving bed to ensure the safety of the operator.
- EASE OF OPERATION** - It is extremely easy to operate the foiling equipment to set the job, perform make ready, adjust dies to set registration etc.
- TRAINING & SUPPORT** - We provide a strong support & thorough training to the operators.



**H**eidelberg Platten letterpress machine is definitely the most adaptable machines on the market. Change over from hot foiling to cutting and creasing or embossing is possible in minutes.

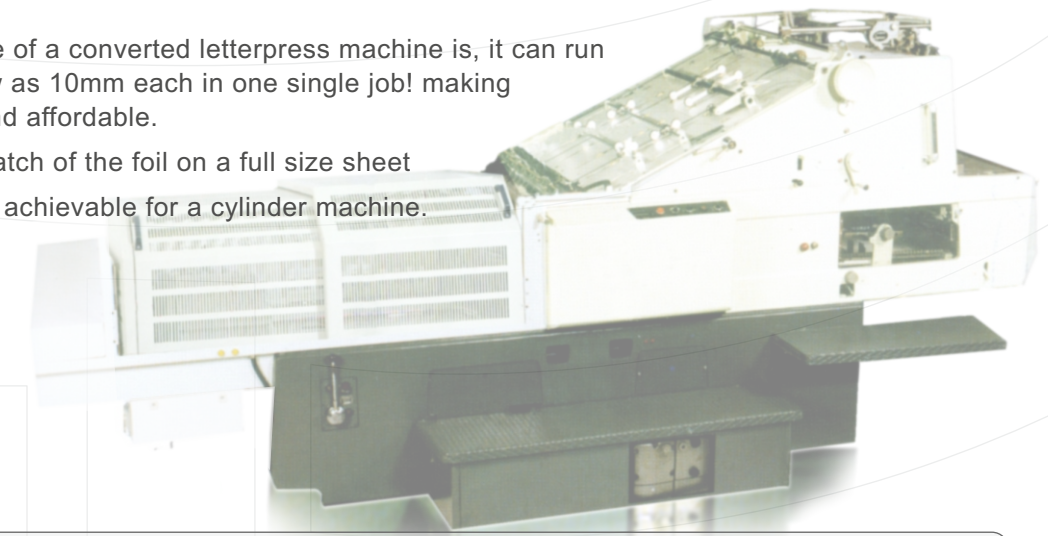
### TECHNICAL SPECIFICATIONS OF STAMPING ATTACHMENTS HEIDELBERG PLATEN

Model	No of Heating zones	Min Foil Width	Max length of fresh foil	Rated Power	Pulling station
10"x15" (26x38cm)	1	10mm	122mtrs	2.4KW	Single/double
13"x18" (34x46cm)	1	10mm	122mtrs	2.4KW	Single/double

**T**he Miller Johannesburg Cylinder Machine is one of the strongest & robust machines amongst the cylinder letterpress family. Its hassle free performance & easy operating Procedure offers a new life to these machines as 'Foil Stamping' machines.

The biggest advantage of a converted letterpress machine is, it can run 16 foil strips as narrow as 10mm each in one single job! making holography feasible and affordable.

Transferring of solid patch of the foil on a full size sheet Of a machine is easily achievable for a cylinder machine.



### TECHNICAL SPECIFICATIONS OF STAMPING ATTACHMENTS FOR JOHANNISBERG CYLINDER

Model	No of Heating zones	Min Foil Width	Max length of fresh foil	Rated Power	Pulling station
29"x41" (74cmx104cm)	5	12mm	300mtrs/ 115 dia	10KW	Single/Double