Cavomit Holo@Foil 122X2
Electronic hot-stamping & hologram registration system

The **CAVOMIT Holo@foil-122X2** electronic attachment is designed to fit on the Heidelberg GT press (34x46). It can be easily mounted on the machine for the on-site conversion of the platen press, without affecting its standard uses: ink-printing, die-cutting, embossing, numbering, creasing, punching etc.
The functions of the letterpress are thus enhanced with foil stamping techniques, opening new markets with unlimited potential for creativity.
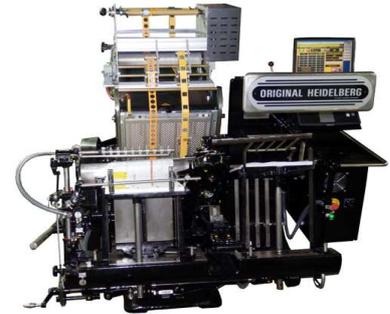
Holograms can also be registered accurately for promotional or security printing applications.
With the accumulated experience over a number of demanding applications, an in-house developed powerful and flexible software as well as numerous ingenious features, the **Holo@foil 122X2** system represents perhaps the **best value** electronic attachment in the market today.

The **Holo@foil 122X2** attachment comes complete and ready for installation.
It consists of the following main parts:
1. Electrical board controlling the hot-stamping attachment and the machine.
2. Laptop with WINDOWS software for the data entry.
3. Foil-pull cylinders controlled by a stepper motor.
4. Hot-plate.
5. Foil feed axis.
6. Photoelectric sensor (one for each cylinder).
7. Optical fibre for hologram registration (one for each cylinder).
8. Multiple-axis system for external hologram registration (one for each cylinder).
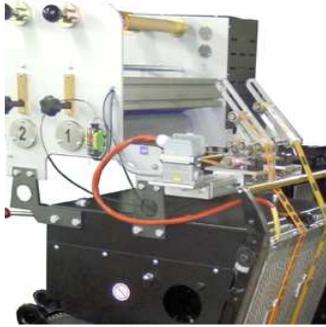
Hologram:
Powerful and flexible software for the most demanding multiple-die hologram applications.

Conventional Foils:
- Practically unlimited combinations of short-long pull repeat cycles for optimal efficiency and maximum economy in materials.
- Foil-advance by means of electronic stepper motor.
- Foil-pull cylinder combined with a durable rubber cylinder.
- Foil-feed commands transferred by microelectronic switches.
- Foil, on 16mm or 25mm core, is fed from a removable axis mounted on the press underneath the hot plate.
- Specially designed system for uniform tension and easy replacement of used rolls.

Max roll length:
122 m across the width of the hot-plate (max. width 46cm).
Dedicated rewind system synchronized with stepper motor.

Hologram registration

- Specially developed multi-axis system with optical fibre.
- Photoelectric sensor with adjustable sensitivity. The detector is easily positioned and recognizes all types of hologram registration marks.
- Powerful software with various cycle combinations for multiple-die printing (holograms, kinegrams etc).
- Repetitive excellent printing accuracy and consistency are guaranteed: a non-accumulative tolerance of ± 0.2mm in both holographic and standard foil modes.

Hot plate

- The hot-plate is made of special high-conductivity alloy and is insulated from the main body of the machine.
- Optimal heat allocation and energy saving.
- The required accuracy in printing temperature is achieved with six (6) parallel resistances in two (2) independent temperature zones.
- Net printing area of 28x44 cm.
- Temperature accuracy control through Laptop.
- Printing dies 6.35 – 7.00 mm thickness
- Functional die-mounting locks for micro-adjustments.

Technical specifications Cavomit Holo@Foil 122X2 Heidelberg GT 34X46	
For platen presses	Heidelberg GT,GTK,GTS,GTP (34 x 46cm)
Max sheet size	34 x 46cm
Min sheet size	85 x 120mm
Net hot-stamping area	28 x 44cm
Resistances on hot plate	6
Temperature instruments	2
Temperature range	0 - 200°C
Heating capacity	3000 W
Connection voltage	380/440 V, 50/60 Hz
Foil-pull cylinders	2
Foil-pull accuracy	0.1 mm, non-accumulative
Max foil width	44 cm
Roll core	16 mm or 25mm
Foil length	122 m
Rewinders	2
Used foil roll diameter	12 cm
Die thickness	6.35 - 7.00 mm
Programmable short/long pulls	1-999 short pulls, 1 long pull of 0-999mm per cycle
Average productivity	1.200 – 4.000 printings
Weight of attachment (approx.)	74 kg
Total weight (with Heidelberg 34 x 46)	2.400 kg