

Polycarbonate Line PC Line

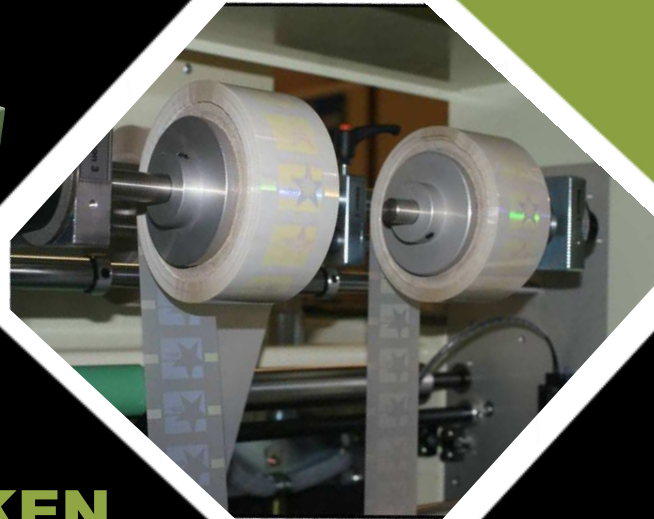
The PC Line comprises a DC 8406/SPU model combining our conventional unwind with a sprocket punch station to take rolls of polycarbonate, unwind, sprocket punch and feed over a photocell control unit to the first DC 8614 H4 model.

The H4 is equipped with 4 foiling heads, each with its own foil unwind and rewind stations, registration system and temperature controls to accurately register the Kinegram to the stamping dies.

The operator programmes the computer with the required stepping programme to feed the polycarbonate to each foiling position. The machines pin feeds drive the sprocketed web from foiling position to foiling position with great accuracy. The web is then fed over a photocell control to the DC 8922 Heavy Duty Sheeter where the sprocket margins are trimmed with rotary slit blades and the web is cross cut to the required length for the customer's lamination machinery. The out feed of the Sheeter is equipped with an anti static bar and air blow system to allow the cut sheet to drive out cleanly onto a simple inclined delivery table.

The standard line comprises of one DC8614-H4 that will allow for 4 holograms across the sheet, this is ideal for jobs such as passports etc.

An additional DC8614-H4 can be inserted into the line to allow for foiling in 8 positions across the sheet, this allows for much greater foiling capacity for ID Cards, Driving Licences etc.



DIMUKEN

The Dimuken PC Line has been developed for the application of Kinegrams (and Holograms) onto materials such as Polycarbonate and PVC.

KINEGRAM Technology offers the ultimate in foil based security features. Thanks to Dimuken's highly innovative application equipment, KINEGRAM images can be applied in register onto government documents significantly increasing their anti counterfeiting security.

✓ **Passports, ID cards, Visas**

KINEGRAM SECURITY

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Specifications

DC8406/SPU Dimuken Unwinder
Core diameter: 150mm
Maximum roll diameter: 500mm
Minimum web width: 100mm
Maximum web width: 545mm
Minimum micron PC: 80 micron
Maximum micron PC: 150 micron

DC8614-H4 Dimuken Hologram Applicator
Maximum web width: 545mm
Maximum Hologram size: 28mm
Maximum Holograms across web: 4
Minimum micron PC: 80 micron
Maximum micron PC: 150 micron
Tolerance foil to web: ± 0.3 mm
Tolerance foil to die: ± 0.25 mm

DC8922 Dimuken Heavy Duty Sheeter
Web width: 100mm ~ 545mm
Sheet width: 80mm ~ 520mm
Sheet length: 3" ~ 24"
Minimum micron PC: 80 micron
Maximum micron PC: 150 micron
Tolerance: ± 0.3 mm on length & width
Speed: 400 sheets per hour with 48 images per sheet

**Hot Stamping of Kinegrams,
Optically Variable Devices (OVD's)
and Holograms**

**DIMUKEN PROVEN TECHNOLOGY
FOR DOCUMENT SECURITY AND
ANTI-COUNTERFEITING**

PC Line Configuration

DC8406/SPU Dimuken Unwinder

Unwinder is combined with a sprocket punching station. Unit is supplied with 150mm airshaft to accept a 150mm core.

DC8614-H4 Dimuken Hologram Applicator

With four heating heads, Sensors for positioning element not on the dies but with the 4 sensors mounted outboard in front of the head.

Knife bar is included for separation of foil from PC material.

Includes a tandem control unit to interface with following machines.

DC8922 Dimuken Heavy Duty Sheeter

Heavy Duty Sheeter With fixed position table.