



## DPL -UV200 UV LED Embosser for Laboratory

UV LED Embossing is a process that creates a clear holographic or optical or texture pattern over different types of printed materials.

Compared with the complex and expensive process of embossing production, DPL specially designed this machine for laboratory application, so that our clients can study and research this process before they invest big money into this business.

DPL-UV200 is a desktop system, which can create different type of optical, holographic or texture feature on film or paper. According to your budget, our client can choose from a manual version to small production version.

- **DPL-UV200-LFD**

DPL-UV200-LFD is specially design for low budget clients. This machine don't have un-winder and re-winder. Our client manually apply A4 size paper on the small UV coating, the object will be automatically passing through embossing system and cured by UV or UV LED lamp. Through change different type of embossing roller, our clients can get different types of 3D texture feature.



DPL-UV200-LFD also can be connected into your existing printing press as the final surface finishing process.

The technical specification is as following:

Max Coating width: 200mm

Max Coating thickness: 5mm

Coating method: reverse coating

Coating speed: 10m/min

Embossing cylinder: 1x Texture cylinder and one plain cylinder for posting holographic shim

Power: AC 220V, 50Hz,2.5kw

Size: 750 x935 x 520mm

Certifications: CE

**Price: EXW DPL Denmark EUR20000**

- **DPL-UV200-SFD**

DPL-UV200-SFD is specially design for researching and developing Laboratory, who like to produce small quantity sample film to their customers. The technical Specification is as following

Max Coating width: 200mm

Coating thickness: 5 to 15mic

Coating method: gravure coating

Coating speed: 80m/min



Embossing material : 12-80mic

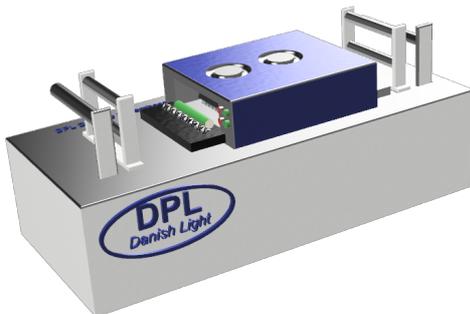
1. 1x Un-winder station with in-feed system: magnetic breaker + 3" air expanding shaft
2. 1 x gravure coating station including:
  - 1x gravure roller with coating width: 180mm
  - 1x adjustable doctor blade
  - DC control driver motor
  - Adjustable lay-on roller for coating
  - Lacquer supply tray removable
3. 1x embossing unit including:
  - chilled embossing cylinder (removable) with rotary water supply assembly (water chiller is not included) Holographic shim (nickel or plastic) will be posted on embossing cylinder by double side tape
  - Pneumatic pressure nip roller
  - DPL UV lamp 150mm 140w/cm
  - or DPL UV LED lamp 150mm
4. 1x Re-winder station including: magnetic clutch+DC re-winder motor and 3" air shaft
5. Control panel:
  - Un-winder manual tension control
  - Re-winder manual tension control
  - Main speed control
  - Gravure roller speed control
  - Machine emergency stop control
  - UV lamp on/off switch
  - Nip roll in/out switch
6. Water chiller (optional)
  - Capacity: 3kw
  - Temperature: 5-25C

Warranty: 1 year warranty after installation  
Machine requirement: 240 V 50-62Hz, Clean air

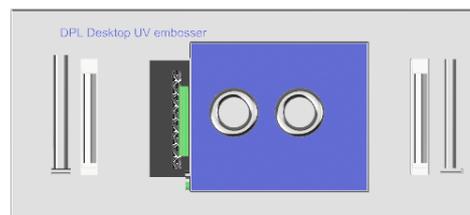
**Price: EXW DPL Denmark EUR45000**



(Machine Side see)



(Machine Front See)



(Machine Top See)