



THERMOFLAN

Equipment & products



Sign

# **Faster and easier** **DOMING PRODUCTION** **products and equipment for UV doming**

Uv technology makes domed label production **easier**, **faster** and more **ecofriendly**.

The application of a "dome" of clear resin makes the image resistant to scratches, dust, liquids, impacts and produces an **elegant** and **eye-catching 3-D** result.

Doming can be made on any shape (square, round, oval..) and many substrates (adhesive materials, metal..)

## **Applications :**

Industry : trademarks, company logos ...  
 Signage : lettring...  
 Promotional items : key rings  
 Cars : tuning, lettring ..  
 Textile : caps, luggage ...  
 Presents , souvenirs : plates...



*UV resin is an alternative to polyurethane resin*

*Main interest is a faster and easier use.*

*Using cost is reduced by saved time : very fast UV drying makes domed labels immediately available.*

### How to dom labels in a few steps (Non contractual photos)



Label design



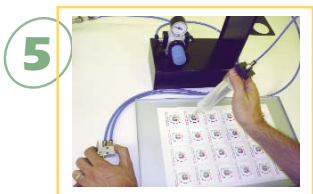
Printing :  
screen printing, digital printing,  
laser or ink jet printer



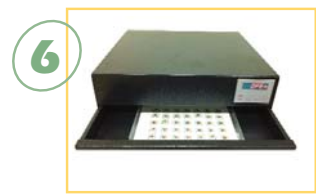
Cutting : plotter, CO2  
laser



Mixing of two  
components



Resin is applied on labels



Final domed labels  
after drying in UV oven

### UV Resin

7 good reasons to use UV resin



#### 1/ No dangerous substance

UV resin contains no Isocyanate, so it produces no adverse reactions either on the skin or in the environment

#### 2/ Cured under light

When exposed to UV light, UV resin is cured within minutes, domed labels being immediately available.

#### 3/ Stable when mixed

After mixing the 2 components, UV resin remains usable for 5 days if stored in a refrigerator. Its "pot life" is much longer than with alternative resins.

#### 4/ Transparency

UV resin has a high transparency for a three dimensional optical effect.

#### 5/ Resistant

UV resin does not discolour or harden, it is specially suitable for outdoor use.

#### 6/ Highly adhesive

UV resin has a very long-lasting adhesion to a wide variety of materials, for increased application possibilities

#### 7/ Flexible

UV resin permits the coating of very flexible materials such as textiles.

### Dispenser

Easy to use to dome any form of label, in small or large series, simply and intuitively, by manual or automatic control of the quantity of dispensed resin

- **E1000E** Automatic digital model with  
3 operating modes:

-manual: Amount of dispensed product is controlled by a more or less long press on the pedal.

-semi automatic: dispensing time is set to correspond to a label volume

-automatic: time is set to dispense a label volume + interval before next label



Very innovative, it includes a "Teach" function taking into account the quantity of resin poured by operator and repeating the same quantity after validation. This "Teach" mode is also applicable for intervals, repeating pouring time defined during operator's gesture.

It also includes an anti-drop system by venturi effect preventing resin from flowing between 2 applications.

- NOTE: the applicator requires an air compressor.

### UV oven

To polymerize UV resin.

Available in several sizes according to production output



### Drying rack

This is an important accessory for quality results. Rigid and superimposable, it maintains labels flat to prevent resin from running to one side and protect them from dust when cured.

