

drupa 2016 分享會

Topic : 3D Printing
Speaker: Percy Fung

2016 · 6 · 20

主辦單位：

協辦單位：

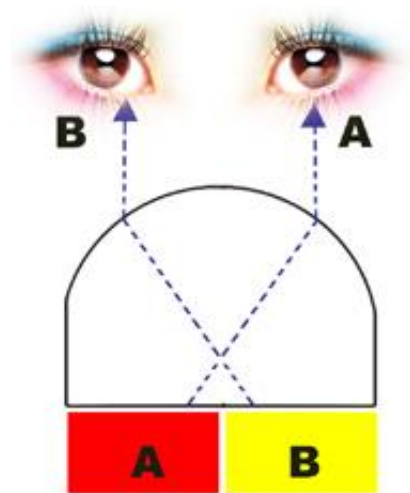
3D printing

- ↴ 光柵
- ↴ Print to Object
- ↴ 3D printer



光柵

- ↓ UV 噴墨直接噴到光柵膠片上
- ↓ 透過光柵的折射，將左右兩眼看到不同的影像，做到**3D**效果



DigiCap柔版印刷+Embossing



Color sequence:



- ↓ 1. 3D varnish (no curing of this ink!)
- ↓ 2. Embossing of the structure in the 3D varnish into the wet 3D UV varnish (without DigiCap)
- ↓ 3. Barrier Ink layer Back under the 3 D varnish areas.
- ↓ 4–7. Process colors (CMYK)
- ↓ 8. White

原理



- ↴ 3D Varnish 是做成折射的主要材料
- ↴ Embossing 是在 3D Varnish 未乾時改變折射位置，模擬光柵，做成立體效果。

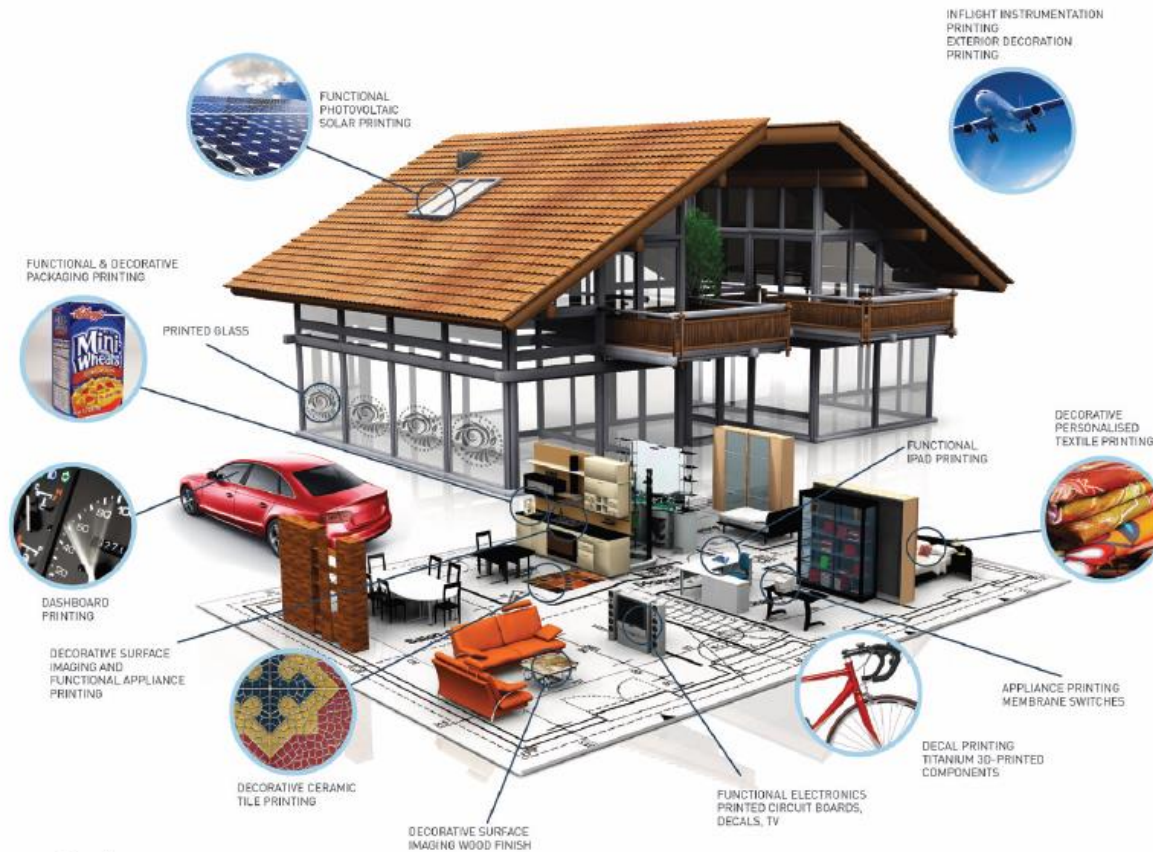
Print to object

- ↴ 全新發佈噴墨機器，可噴在實物上（水樽、球、滑板 ……）



實際應用

Industrial Printing is everywhere.



Source: istock





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瓦楞纸



亚克力



车身贴



铝扣板



玻璃



木板



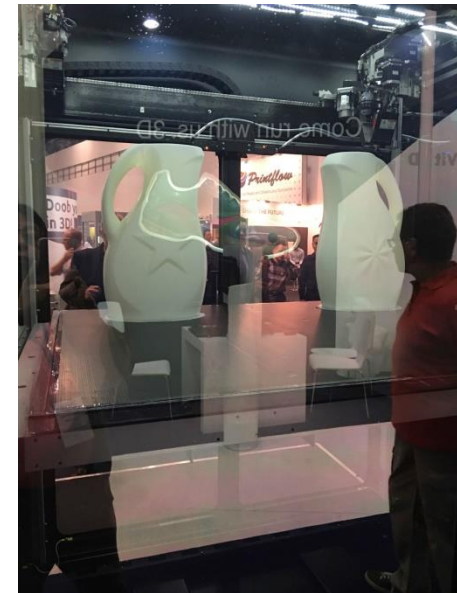
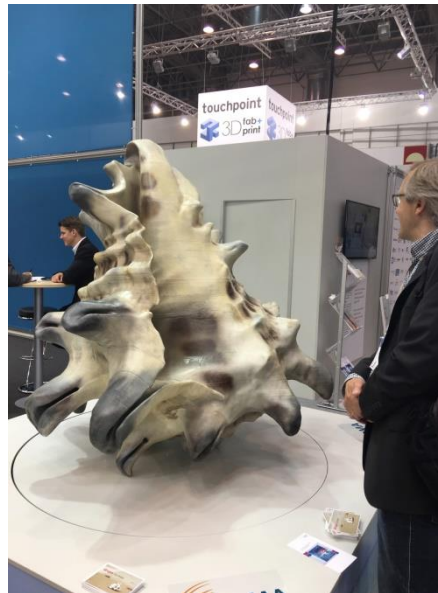
皮革



陶瓷

3D Printer

- ↴ 大型 3D Printer 尺寸 (1.2 x 1.5 x 1.7 M)
- ↴ 35 cm per hour on Z axis
- ↴ Sturdy UV curing polymer-based material





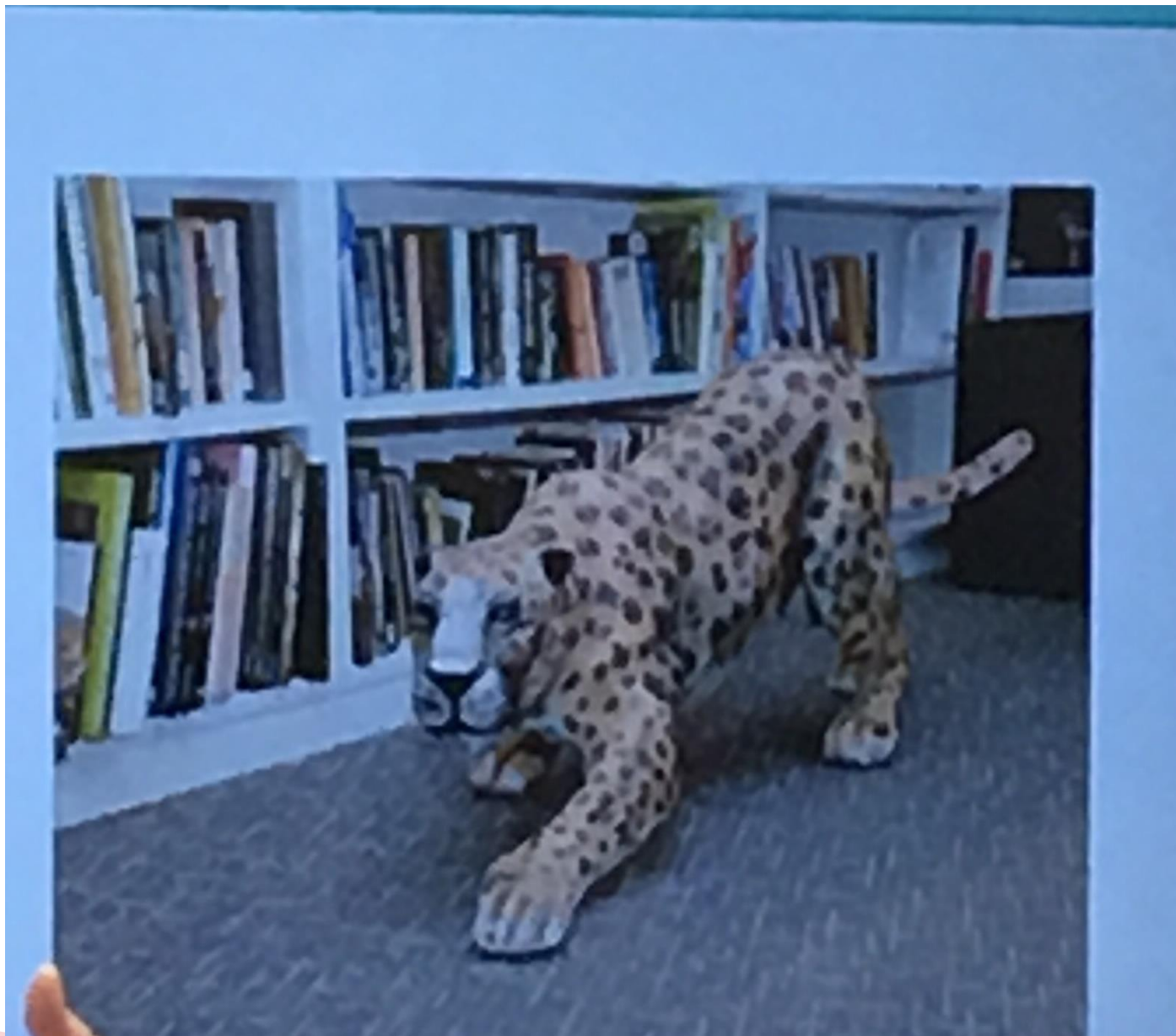
Effective retail promotion





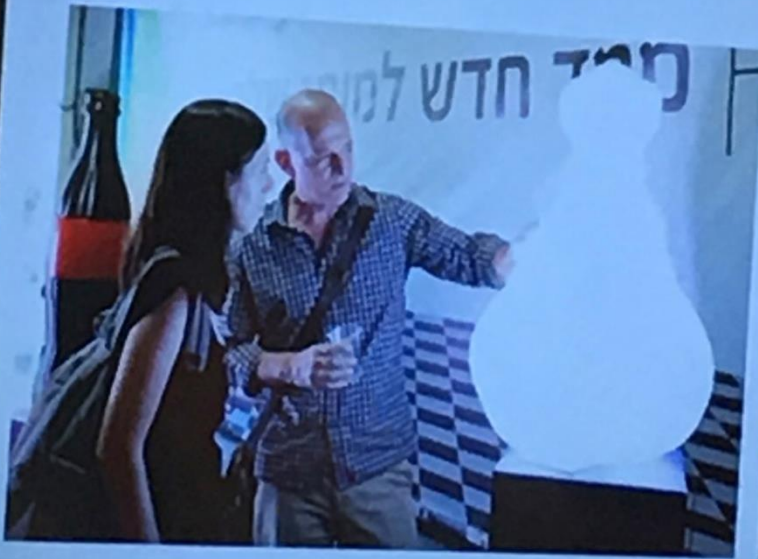
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Events show stopper



מיי
MASSIVE 3D



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Brands that come to life





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High impact billboards & posters



MASSIV 3D

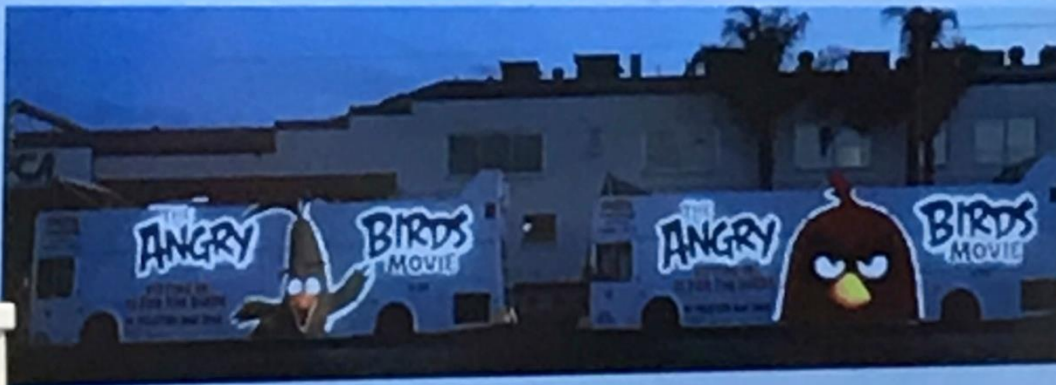
Other special projects & promotions



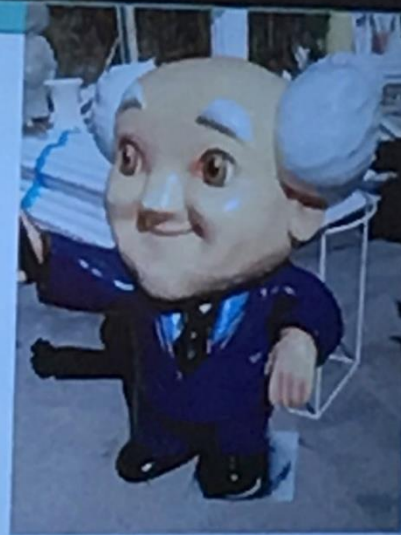
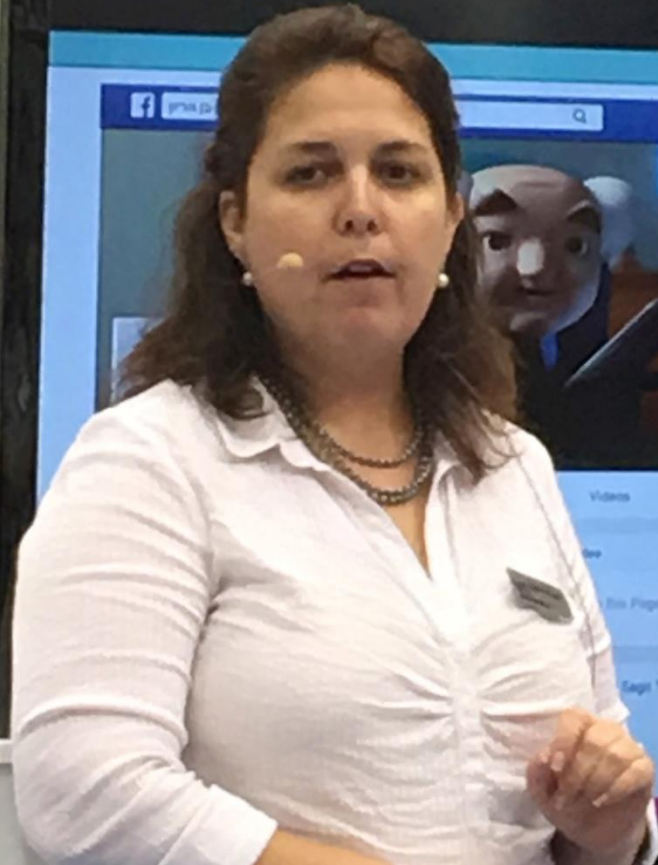
North
Entrance



Enhanced fleet promotions



Engage & Entertain!



MASSIVE 3D



Thanks