Contents

Introduction 1
Halls that exhibited 3D Printers 2
List of Brands 2
Baicheng Digital 3
CHZ 4
ColorQ 5
Jet Sun 6
Massivit 3D 7
SDJD 3D 8
Zhouli 9

*All items on this list are hotlinks.
Introduction

As we have seen through the years, APPPEXPO is one of the largest signage trade shows in Asia; the amount of 3D printers exhibited has fluctuated in the course of 6 years, from around 30 3D printers on the most popular year, to nearby 10 different models during this year’s show.

3D printers have evolved from small prototyping machines, to more complex and useful machines, below are a few listed examples:

- 10 million color 3D printer (Mimaki)
- Large format printer with a capacity of 3 cubic meter build volume (Massivit)
- Carbon Fiber 3D printing machine (MarkForged)

3D printers are manufactured in several shapes and sizes, there are a few variants regarding the technology the printer is based, each one has its advantages and drawbacks, but some of the components that can be common among them if they are FDM Printers (fused deposition modeling) are the following:

- Extruder: the most common variants are long distance extruder (bowden) and short distance extruder
- Hot-end: here there are several versions, but among them the most important things to mention is the nozzle diameter, this determines how much material can be forced out by the extruder at a certain speed, varying from 0.2mm (for slow and ultra-high quality prints) to 2mm (for ultra-fast and low quality prints).

Both of the above-mentioned components need to be compatible with the filament size or material width (in cases where plastic filament spools are used).
Halls that exhibited 3D Printers

The main hall for 3D printers was hall 1 (engraving machines hall), less than 5% of the brands exhibiting had a 3D printer or where 3D printer related.

Hall 3 had a 3D printer related brand: Massivit, another hall with 3D applications but not the machines was hall 6.

Several brands that leaped in the 3D printing industry during the past years have now ceased to invest in this area, and thus led to a lower amount of brands displaying said technology and machines.

List of Brands

Here is a list of the brands we observed at the show:

- Baicheng Digital
- CHZ
- ColorQ
- Jet Sun
- Massivit 3D
- SDJD 3D
- Zhouli
BAICHENG DIGITAL

Baicheng Digital Film Co. was founded on 1988 in Taixing, they are part of a large group of companies, they handle traditional signage and marketing strategies.

During the show, they displayed a 3D printed scaled down version of the most iconic view of Shanghai, The Bund.
CHZ exhibited mainly 3D printers, but also had different CNC machines.

The YM-NT-750 is a medium format 3D printer, able to print 75cm x 75cm x 75cm max building volume, with dual nozzle (capable of printing 2 different colors or materials simultaneously).
Specialized in traditional signage letters, they now 3D print the letters instead of using a CNC bender.

Here you can see a test being printed on one of their 3D printers, for later adding acrylic to use backlight.
Located on hall 1 among the CNC equipment, they had on display a special PVA with infused wood filament, where you can polish and varnish the final print as if it was wood.
MASSIVIT 3D

An Israel based company, one of the pioneers on manufacturing a commercial large format 3D printer, during the show, they displayed several large 3D printed objects done with their Massivit 1800 printer.
SDJD 3D is a company that has been present in APPPEXPO for the second time, besides being founded in 2015. SDJD displayed during the show the JD600, a medium format 3D printer with the option to print 2 colors/materials simultaneously.
ZHOU LI

A company dedicated to traditional signage letters, using a 3D printing method to form each letter of the illuminated sign, their printers are particularly short in height, due to the need to print low height letters for signage.
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