

WANHAO 3D PRINTER

Catalogue  
Duplicator Three



**DOUBLE EXTRUDER**

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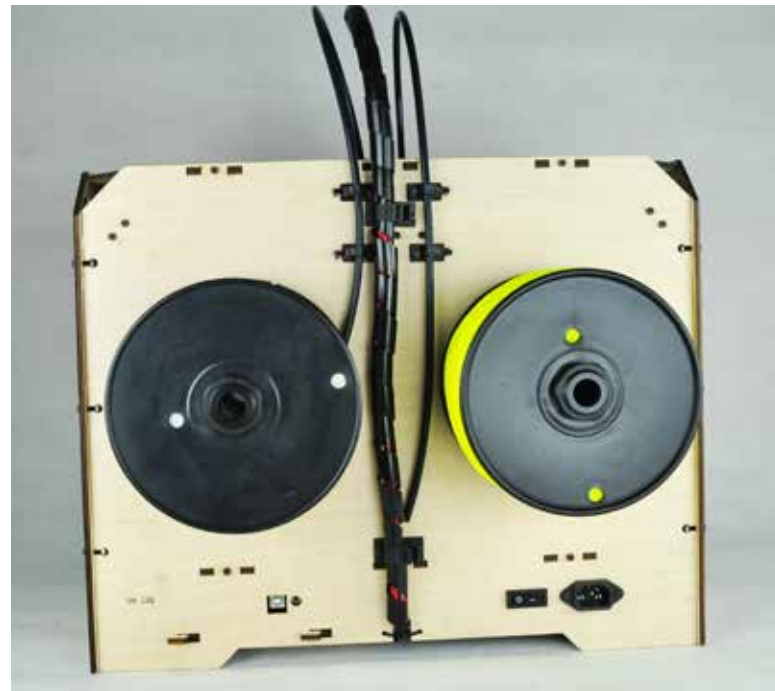
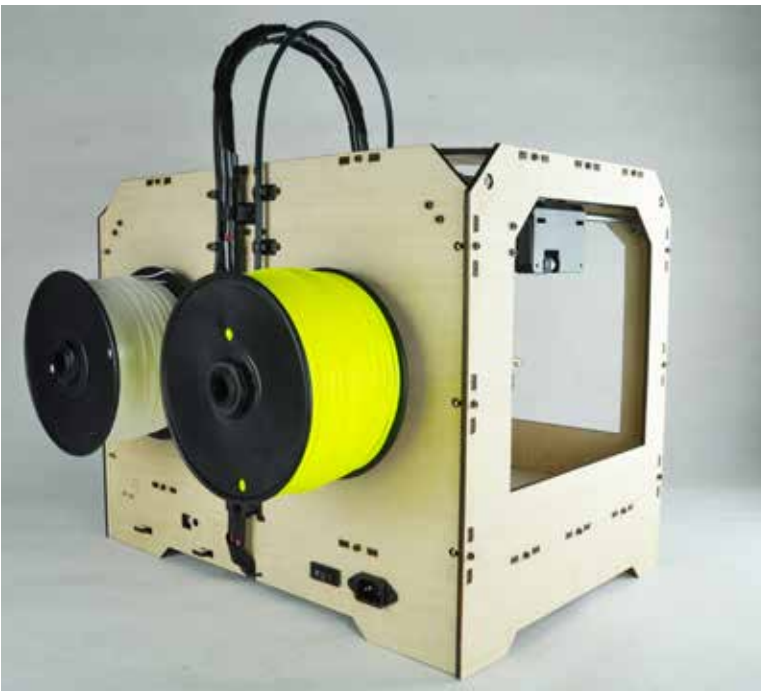
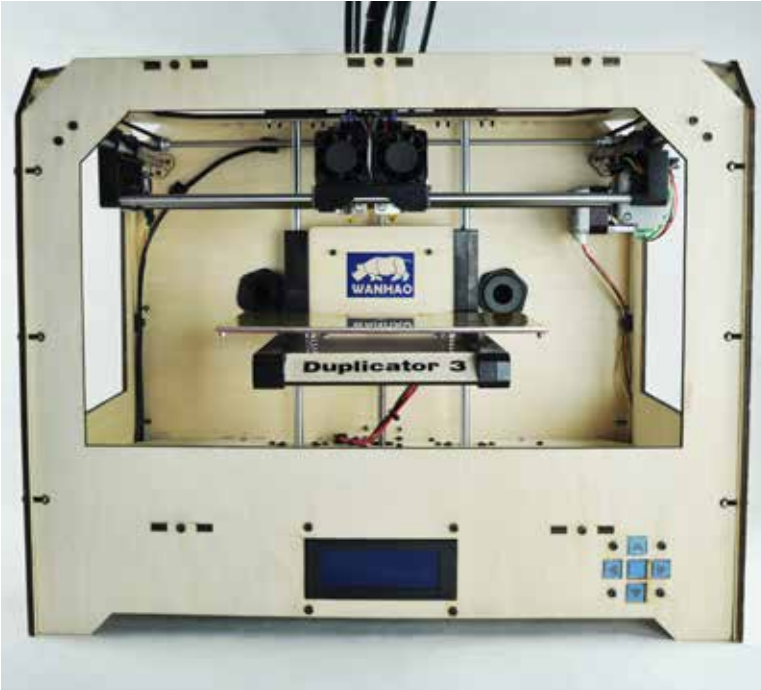
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WANHAO 3D PRINTER



Duplicator Three





## WANHAO Duplicator Three



With great efforts from everybody of WANHAO 3D Printer team, WANHAO start oversea 3D printer supplying since Aug 8th 2012. After accumulating 6 months experience in China local retail market, WANHAO has gathered good experience in manufacturing 3D printing Robot and after sales service. Based on these precious experience and hard working of our team, we believe WANHAO can provide more professional service and better up to date affordable 3D printer to awesome people all over the world.

WANHAO has involve in 3D printer filed since early 2011. Several Roommates used all their pocket money and bought one Thing-O-Matic from Makerbot. This precious awesome machine brought these college students great enthusiasm in 3D project making and help these buddy build their dream. On 1st Oct WANHAO Duplicate the Thing-O-Matic and named it DEPLICATOR ONE. This 1st Generation Made In China 3D printer has combined most of the advantage of RepRap and Makerbot, and upgrade the extruder to Non Block one.

In June 2012 WANHAO has invent it's 3D printer with LCD displayer which is now called DEPLIATOR TWO. This is geat step that free your computer that you don't have to print while keep your computer running. Just a simple SD card will do all the rest job.

On 1st Oct 2012 WANHAO 2 EXTRUDER Printer will be sold in our local market. This is big step for us.

In Aug 2012 WANHAO decided to join the world market to help more people to get access to the most awesome printing robot. WANHAO is delicate to supply most affordable and stable 3d printing machine for people who like MADE IN CHINA.

Cheers!

General Manager Frank Hua



# DUPLICATOR 3 SPECIFICATION

## MECHANICAL PROPERTY

Overall dimensions: 320 x 466 x 382 mm | 12.6 x 18.4 x 15 in

Shipping Weight: 32 lbs

Linear ball bearings

Precision ground 8mm shafts

Snap-on, snap-off carriage assemblies

## ELECTRONICS PROPERTY

Duplicator 4 single-piece motherboard

5 axis, 1/16 micro-stepping motor control

4x20 LCD character display and multi-direction control pad

Piezoelectric buzzer

Universal Power Supply: 220-250V, 50/60Hz, 4.0A (input), and takes standard IEC cable

## SOFTWARE: REPLICATOR.ORG

Compatibility: Linux, OSX, and Windows

Print from SD card or over USB

Input file type: STL, gcode

## OVERVIEW FEATURES SPECIFICATIONS

Build envelope 225 x 145 x 150 mm | 8.9 x 5.7 x 5.9 in

Build volume About 5 liters

Layer thickness Choose 0.1-0.5 mm which is adjustable by software

Stock nozzle diameter Stock 0.4 mm

Speed 40 mm/s

Flow Rate Approximately 24 cc/hr

Extruder Temperature Recommended Maximum 230 C

Heated Build Platform 120 C Maximum

Positioning precision 2.5 micron on Z axis

11.micron on XY axis

## MATERIALS

Works with ABS, PLA and other materials

Filament diameter: 1.75 mm