

# Pharaoh® XD

High Definition Network 3D Printer with Touchscreen

Prints precision parts quickly,  
using wide variety of  
thermoplastic materials  
from a range of manufacturers

## High Definition Printing Convenience

- Best resolution in it's class
- Fast real-world printing speed
- Low vibration and noise level
- Automatic calibration
- Touchscreen operation
- Network connectivity

## Versatile for Multiple Applications

- Up to two material feeders
- Exchangeable nozzles

## Plus: Print with Advanced Materials

- Air filtration system
- Enclosed build chamber
- Heated printbed



### INCLUDED SOFTWARE



A full commercial licence of the award-winning Simplify3D slicing and printer control software is included with every Mass Portal printer. Simplify3D simplifies advanced printing and helps to achieve perfect print results every time.

### PLYWOOD CABINET

Mass Portal Pharaoh XD ships in a plywood box that doubles as a printer stand. It can also be used as a filament storage cabinet with three shelves, easily fitting about 16 rolls of filament and all the necessary accessories. The cabinet also makes later printer transportation easy and safe.

### OPEN MATERIALS

All Mass Portal printers support open and independent filament choice — enabling you to print with a large number of different thermoplastic materials from any vendor. The Plus series printers are additionally equipped with support for advanced printing materials like ABS, PP, PC and Nylon.

### KEY APPLICATIONS

- Education
- Visualization
- Engineering
- Prototyping
- Functional testing
- Product development
- Individual production
- Personalized production
- Architecture
- Printing service
- Retail printing
- Medical

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Configuration Price (excl. VAT)	Standard € 3300,—	Plus € 3500,—	Plus Dual € 3700,—
Build area	Diameter: max 20 cm; height: 20 cm		
Material feeders	1	1	2
Materials compatibility	Standard materials	Advanced materials	
Print Chamber	Open	Open or enclosed	
Side and front doors	-	Removable, transparent side and front doors	
Air filtration	-	4 fan air filtration and circulation system	
Printbed	Glass, non-heated	Heated glass printbed (up to 120° C)	
Printer dimensions	Width 32 cm, depth 31 cm, height 63 cm		
Printer weight	17 kg		
Shipping dimensions	Width 40 cm, depth 40 cm, height 75 cm		
Shipping weight	31 kg		
Printer features	Delta robot mechanics; precision linear guides; rigid aluminium frame Illuminated printing chamber and nozzle High resolution 7" touchscreen with Pharaoh Touch™ software 32-bit electronics, Open Source Repetier-Firmware Automatic calibration		
Printhead and feeders	Thermoplastic filament diameter 1.75 mm; Printing temperature up to 300° C Geared feeders for precise and smooth filament feed All-metal Mass Portal Pharaoh™ printing head with dual heaters Nozzle diameter: 0,4 mm (supplied); optional — 0.2 mm; 0.6 mm; 0.8 mm Layer thickness: 0,01–0,6 mm (depending on nozzle diameter and material) Printing speed: up to 300 mm/s		
Software	Desktop software: Simplify3D full commercial licence included OS support: Windows (XP SP3 +); Mac OS X (10.6+); Linux 3D file formats: STL, OBJ; print file format: Gcode		
Connections	Wi-Fi, USB 2.0, Ethernet		
In the box	<ul style="list-style-type: none"><li>• Mass Portal Pharaoh XD 3D printer with USB cable and power cord</li><li>• Plywood box can be used as cabinet with three shelves</li><li>• One roll of sample printing material, sample printbed coating,</li><li>• Printed object removal tool: BuildTak Spatula</li><li>• Printed user manual</li></ul>		
Electrical	Electricity consumption: max 360W; nominal 200–230W		