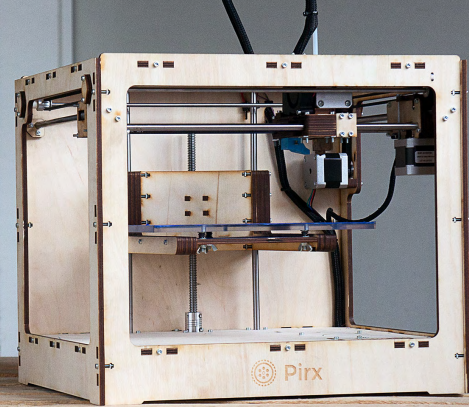**PIRX 3D Sp. z o.o.**
Ślusarska 9
Kraków 30-710
pirx@pirx3d.com

PIRX printer by PIRX 3D

PIRX is a 3D printer designed for a variety of users: from professional planning and design companies to research centers to home users. What makes it unique is its printout stability and high operating repeatability. PIRX 3D users can create a broad range of models and prototypes, everyday objects and toys. PIRX is also an excellent educational toy – by learning 3D design and creating real objects children develop their creativity and acquire concrete skills that they can use in the future.

How does it work?

The PIRX printer enables printing with PLA and nylon. Models available on the Internet or designed by yourself and saved in *.STL or *.OBJ files are converted by the printer's software to GCode. Basing on this code the print head maps the object's design precisely and places successive layers of melted thermoplastic on one another until the desired effect is obtained. The printing process may last from a few minutes to a few hours depending on the complexity of the design.

Software

PIRX is easy to use thanks to the Repetier-Host software. It allows printing artistic and utility forms designed with software including CAD, Blender, Google Sketchup, 3D Studio, Rhinoceros and many others.

High quality product

The PIRX printer is a perfectly optimized device with a high quality/price ratio. Meticulously designed extruder makes filament replacement easy and ensures a long and trouble free life of the printer. The mechanical system is based on professional solutions and provides high precision (the margin of error below 0.1 mm). The printer's chassis is made of highgrade plywood, which makes it remarkably light: it weighs only 7 kilos. Furthermore, every device comes with a comfortable handle for a spool with filament.

PIRX 3D provides comprehensive technical support and aftersales service.

Technical details

- ✔ maximum printout size:
  175 x 250 x 150 mm
- ✔ printing with PLA and nylon
- ✔ computer connection through USB cable
- ✔ FFF printing technology – Fused Filament Fabrication
- ✔ filament diameter: 1.75 mm
- ✔ nozzle diameter: 0.4 mm
- ✔ ambient operating temperature: 1530°C
- ✔ spool's operating temperature: 250°C
- ✔ dimensions without spool:
  330 x 420 x 360 mm
- ✔ dimensions with spool: 440 x 420 x 360 mm
- ✔ weight: 7 kg
- ✔ power supply: 100-240V

Warranty

A 24month "doortodoor" warranty period applies to every PIRX printer.

Technical support: support@pirx.com
Telephone: +48 535 101 605

PIRX 3D also organizes individual printer operation and 3D printing trainings for PLN 150.

Technical specification

Operating surface: 175 x 250 x 150 mm

Printing materials: PLA, nylon

Interface: UBS

Operating temperature
Recommended ambient operating temperature: 15-30°C
Recommended storage temperature: 0-30°C

Power supply
AC input: 50Hz
Power: 120W
Connectivity: USB

Materials
Chassis: highquality birch plywood
Build platform: acrylic
Linear Bearings: heavy duty linear ball bearings
Stepper motors: nema 17

Printing technology
Method: Fused Filament Fabrication – FFF
Maximum printout size: 175 x 250 x 150 mm
Nozzle diameter: 0.4 mm
Layer resolution: 100 microns
Supported OS: Windows, Linux, Mac OS X