DELTA WASP 2040





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INDUSTRIAL LINE X



DELTA WASP 2040 INDUSTRIAL X

Manufacture parts quickly using the strongest technical materials with professional 3D printer Delta WASP 2040 INDUSTRIAL X. Thanks to the new system featuring a heated chamber and cooled mechanics, printing technical materials it's even easier. Delta WASP 2040 INDUSTRIAL X is the 3D printer optimized for printing technical materials.

CHARACTERISTIC

Delta WASP 2040 INDUSTRIAL X is manufactured in metal with strong steel core belts and features a thermal and acoustic insulation.

"Hot and Cold technology" allows the control of room temperature up to 70°C and cools down the mechanics making the print of technical materials easier.

It's possible to configure the printer according to the needs of the user. Dual extruder "WASP ZEN X Extruder' for single and multi-material prints. Different materials from 0 to 350 $^{\circ}$ with the same cartridge and with the possibility to easily switch nozzles with multiple diameters.

Swapping the "WASP ZEN X Extruder' for the "WASP FLEX Extruder' to print soft materials (up to shore 50A) takes only few minutes.

The external Bowden replaces the suspended thanks to the new "Filament driver X'. The grip on the filament is doubled and the force tripled thanks to two hardened steel gears and a gearbox.

Delta WASP 2040 INDUSTRIAL X can be connected to Wifi network so that you can manage your printer from smartphone, tablet or PC. Inside the printer there's now a camera for monitoring the print even from afar.



TECHNICAL DETAILS

INFORMATION ON 3D PRINTING

Build volume: Ø 200 x h 400 mm Minimum layer height: 50 micron Print speed max(*): 300mm/s Travel speed max(*): 500 mm/s Acceleration(*): 10000 mm/s2 Bed temperature max: 120 C° Heated active chamber: heated up to 70°C Nozzle diameter standard: WASP ZEN X Extruder with MT cartridge, nozzle 0,4 mm

* All data relative to speed make reference t o a Delta WASP 2040 INDUSTRIALI X with WASP ZEN X Extruder 0.4 mm.

MATERIALS

Suitable filaments

Ø1.75 with "WASP ZEN X Extruder" Ø2.85 with "WASP FLEX Extruder" ASA, ABS, HIGH-IMPACT PS, PETG, POLYCARBONATE, PC+ABS, PPS, PMMA, PVA, PA, PA carbon, PLA TPU*, TPE*, POLYPROPYLENE*

*only with FLEX Extruder

SUITABLE TOOLS

WASP ZEN X Extruder: dual extruder for single material, multicolor or multimaterial prints, with end filament sensor. Nozzle diameter: 0.4 mm, 0.7 mm, 1.2 mm (filament diameter 1.75 mm)

WASP FLEX Extruder: direct drive extruder for flexible materials down to shore 50A.

Nozzle diameter: 0.4 mm (filament diameter 3 mm)

SOFTWARE

Operative system: Windows, Mac, Linux Slicing software: compatible with all slicing softwares (Cura – SLic3r – Simplify3D®) File type: .stl, .obj, .gcode

INTERFACE

Pendrive USB Wifi network Display TFT touch

PHYSICAL DIMENSION

Dimensions: 49 cm x 44 cm x 87 cm Machine weight: 38 Dimensions and weight for the packet

Dimensions and weight for the packaging on pallet: 50 cm x 58 cm x 114 cm, weight 42 kg

POWER SUPPLY

Input: 220/240 V 50/60 Hz (available 110V)

Power rating:
- WASP ZEN Extruder: 120 W max

- Hot pad: 500W max - Chamber: 750W max

TEMPERATURE

Use: 20-30° C Warehouse: 0-30° C

MECHANICS

Frame and carter: aluminum, metal sheet, polycarbonate, PU. Metal carters, defeats machine's vibrations, allows a more precise print.

Bed:

Rectified aluminum

Movements: nylon wheels on anodized aluminum sliders, PU steel core belts in delrin resistant to high temperature

Insulation: expanded polymer for thermo-acoustic insulation

Motors: Stepper

TECHNICAL INNOVATION

Hot and Cold technology: heated print chamber and active cooling on the mechanics

WIFI: machine connected to the network for monitoring and control

New GUI: new touch interface with bigger TFT display

Camera on-board: for monitoring the print and timelapse

Remote intervention: WASP technicians can work from remote on your board in necessity

FIRMWARE UPLOAD

Continuous Print: when the used extruder runs out of filament, the print continues with the other extruder.

Bed safety sensor: automatic security system

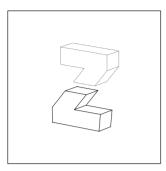
Gcode analyzer: gcode error checking system

Auto check: automatic error recognition routine

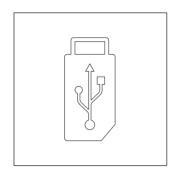
Mesh auto calibration: mesh plate calibration



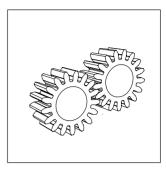
INDUSTRIAL X FEATURES



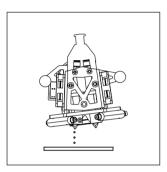
FREE-ZETA SYSTEM



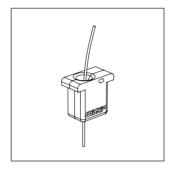
PRINT VIA USB



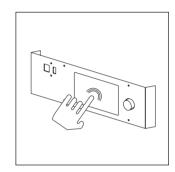
DUAL GEAR FILAMENT DRIVER



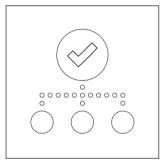
MESH AUTO CALIBRATION



END-FILAMENT SENSOR



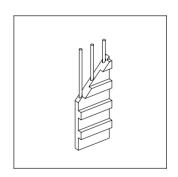
IMPROVED USER INTERFACE



MULTICORE AUTOMATIC EXTRUDER RECOGNITION



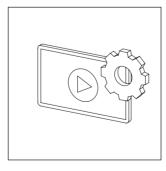
LIVE VIEW CAMERA



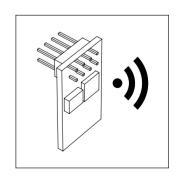
STEEL CORE BELTS FOR HIGH TEMPERATURE



HOT & COLD TECHNOLOGY



VIDEO TUTORIAL ON BOARD

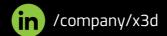


WIFI MODULE FOR REMOTE CONTROL









WORLD'S ADVANCED SAVING PROJECT





Contacte-nos:





