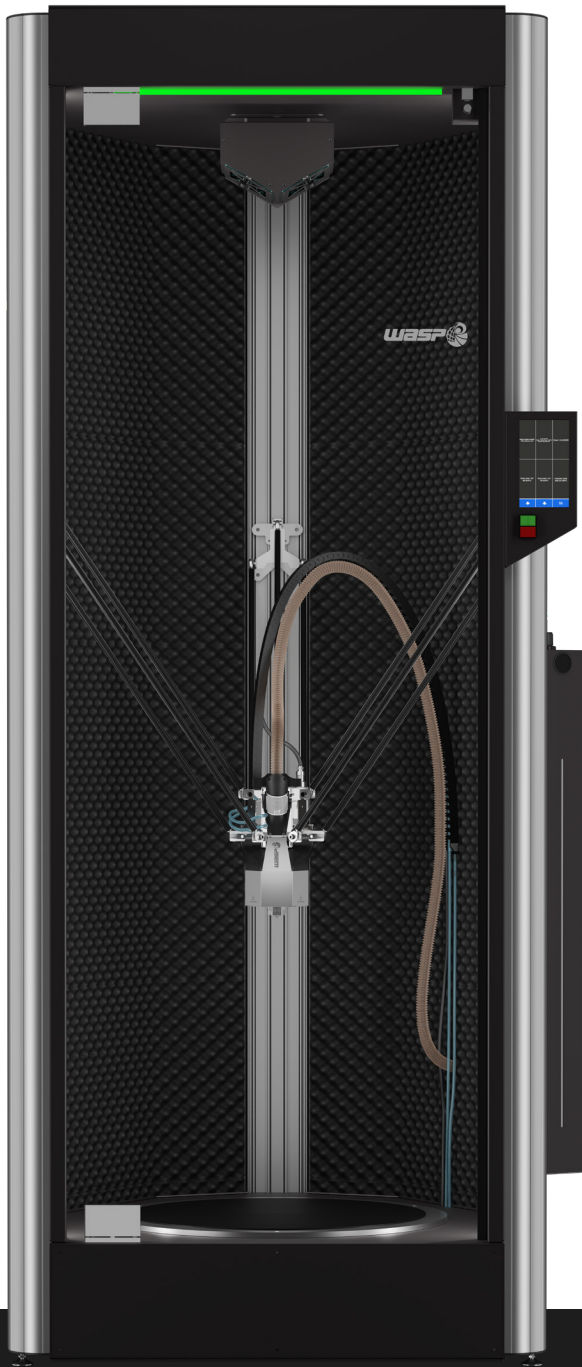WASP 60100 HDP is a large format 3D printer designed to print directly from granules. **Affordable, heavy-duty prints from plastic granules.**

1. **LIQUID COOLED HIGH TEMP EXTRUDER**

2. **ACTIVE VACUUM BUILD PLATE CONTROL**

3. **PNEUMATIC CONTINUOUS FEEDING**

4. **NEW PATENTED FIRECAP LOCALIZED HEATED CHAMBER**

5. **STEEL CORE PRECISION BELTS**

6. **HEPA FILTERS**

The WASP 3D printer for *plastic granules.*

RECYCLED MATERIALS

Experiment with an incredibly wide variety of customized and WASP officials recycled materials.

LOCALIZED HOT CHAMBER

The new FIRECAP system ensures perfect infra-layer adhesion throughout the whole build volume, minimizing energy consumption.

BIG PRINTS BIG SAVINGS

Print big objects 24/7 thanks to the pneumatic continuous feeding system using plastic granules up to 10 times cheaper than filaments.
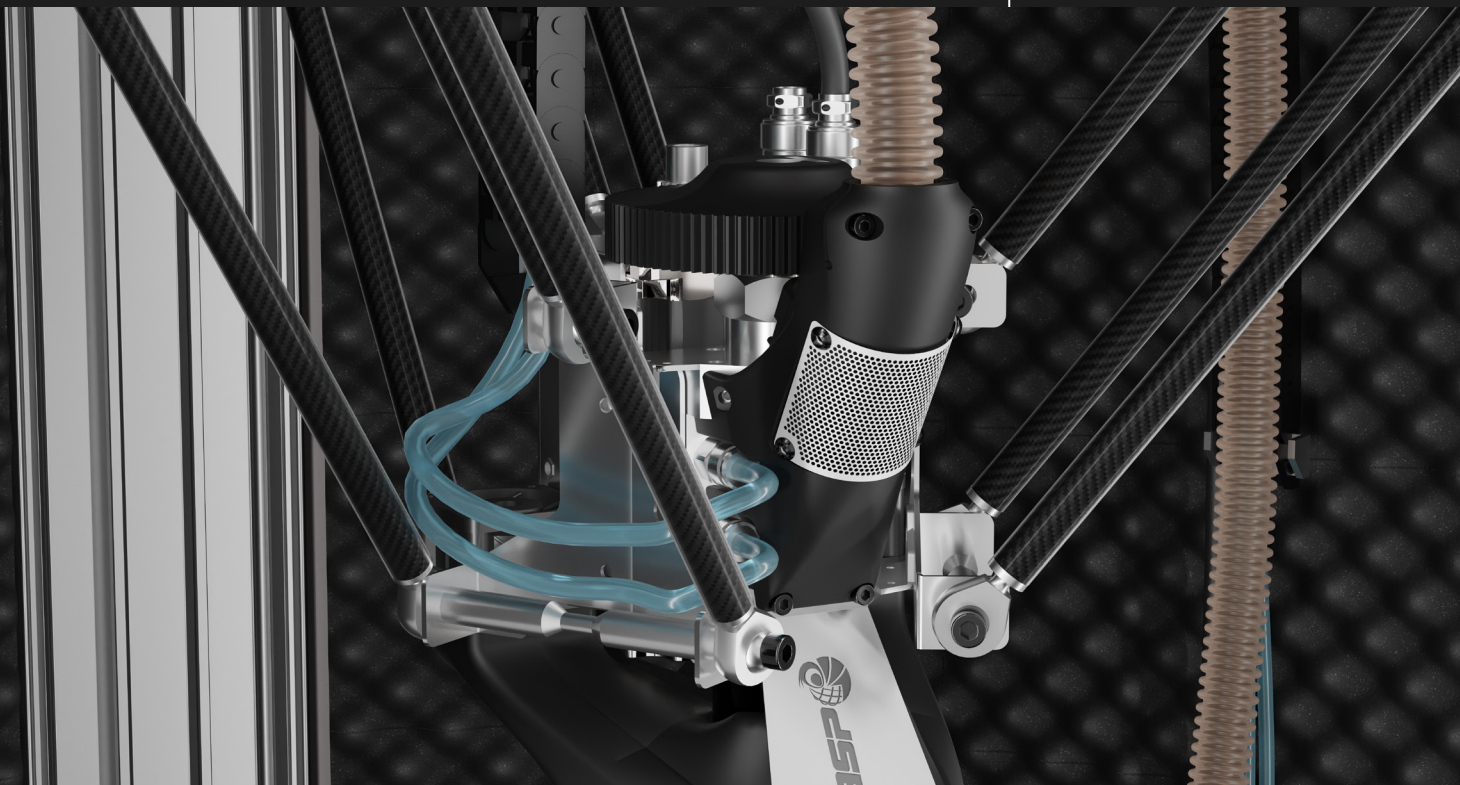
FAST, STRONG AND QUIET

Silenced motors and a new heavy-duty extruder ensure reliability on cost effective processes.

EASILY INTERCHANGEABLE PRINTING PLATES

Easy adhesion and removal of the print with Vacuum Active Control System and dedicated buildplates.

Wi-Fi module for support remote control

Industry 4.0 compliant technology

Materials

Plastic granule printing for Industrial applications.

PLA, ABS, PEEK, PPS, MIM metals
PET, PLA wood, ASA, PLASMIX,
CIM cemarics

PELLET granules are 10x cheaper than filaments and dramatically reduce printing time.

Give waste a second chance with our HDP extruder.

PRODUCT SPECIFICATIONS

Print volume: Ø 600 x h 1000 mm
Nozzle diameter: from 0,7 up to 3 mm
Layer resolution: 0,1 mm - 1,5 mm
Print speed: up to 200mm/s
Travel speed: up to 300mm/s
Connectivity: WiFi, LAN, USB
Hotend temperature: Max 500°C
Localized chamber temperature: Max 200°
Material Tank: ~25kgs

SOFTWARE

Supplied slicing software: Simplify3D®
Supported slicing software: Cura, Slic3r
File type: .stl, .obj, .gcode
Supported OS: Windows, Mac, Linux

INTERFACE

7-inch TFT touch screen display and 60 LED RGB bar

PHYSICAL DIMENSIONS

Dimensions: 97 cm x 110 cm x 250 cm
Machine weight: 250 kg

POWER AND COMPRESSED AIR REQUIREMENTS

Input: 220/240 V 50/60 Hz (110V available)
Assorbed power: Max 3,5Kw
Average power: 800W
Air compressor: 8bar, 50L tank, 6x8mm pipe

ENVIRONMENT REQUIREMENTS

Operating temperature: 15-30°C
Storage temperature: 0-30°C

MECHANICS

Frame: aluminum, steel, laminated glass.
Bed: machined aluminum with interchangeable plates.
Movement: nylon wheels on anodized aluminum sliders, PU steel core belts, carbon fiber arms.
Insulation: thermo-acoustic polymer foam.

MATERIALS

PLA, ABS, PEEK, PPS, MIM ,metals.
Other: 100% recycled PLA, PET, PLA wood, ASA, PLASMIX, CIM ceramics

Technical Details