WASP

Robotic arm 3D printing



CEREBRO

Integration system between robots and extruders

PRODUCT SPECIFICATIONS

Dimensions : 25x50x58 cm
Net weight: 17 kg
Connectivity: Wifi, Ethernet, Bluethooth, USB

REQUIREMENTS

Input: 220/240V 50/60 Hz
Power consumption: From 200W to 2500W (Depending on used tools)
Compressed air: 8bar, 100L/min. tank, 8m pipe (Only for FGF tools)
Connectivity: WiFi, LAN, USB
Hotend temperature: Max 500°C
Localized chamber temperature: Max 200°
Material Tank: ~25kgs

COMPATIBLE WASP EXTRUDERS

FGF

- WASP HDP Extruder
- WASP HDP XL Extruder (w/ Firecap)

Materials: PLA, ABS, PET, PLA Wood, ASA, PLASMIX, 100% Recycled PLA and PET, etc.

LDM

- WASP LDM 3.0 Extruder
- WASP LDM XL 3.0 Extruder
- WASP LDM XXL 3.0 Extruder
- WASP LDM Manual Feeding
- WASP HLDM Extruder for Industrial Clay

Materials: clays, earthenware, porcelain, gres, refractory materials, concrete mortars, foamed concrete, earth based mixtures, mycelium, etc.

COMPATIBLE WASP TOOLS

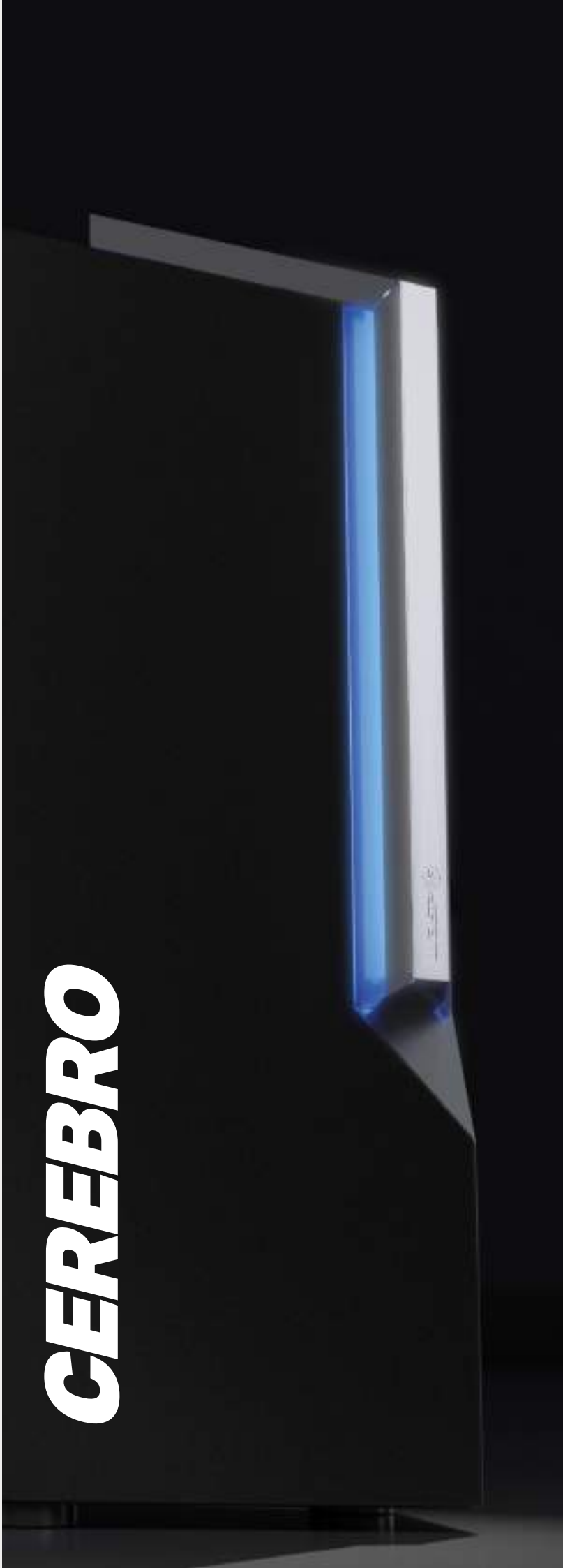
- WASP Continuous Feeding System Clay
- WASP Concrete HD CFS
- WASP 3MT HDP Vacuum buildplate
- NEW OMAP Pellet Dryer

DESCRIPTION

CEREBRO is a cutting-edge system that transforms any robot into a 3D printer.

It was designed to integrate any robotic arm to all of WASP extruders and printing tools, including both LDM and FGF technologies, giving you the possibility to print any kind of material, from technical and recycled thermoplastic pellets to clay and concrete, and even biomaterials such as mycelium.

As you integrate CEREBRO into your robotic system, you're allowing for more than a thousand combination of WASP technologies, including our FIRECAP and Vacuum buildplate system.



Robotic arm

DESCRIPTION

CEREBRO is an integration system between robots and extruders, designed to integrate any robotic arm to all of WASP extruders and printing tools, including both LDM and FGF technologies.

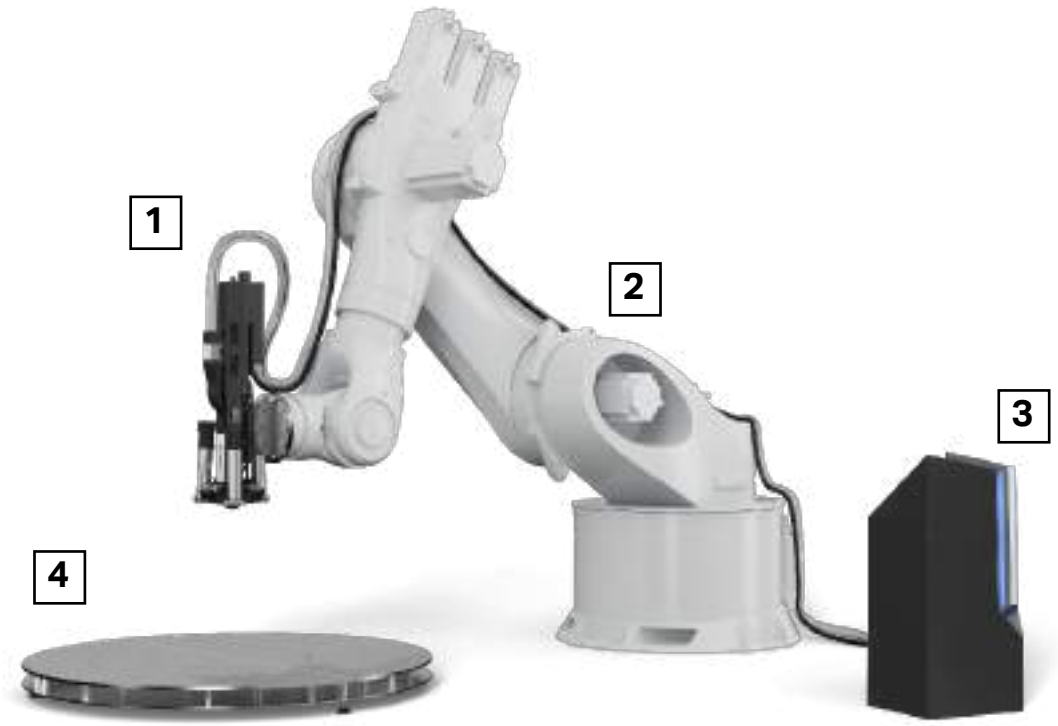
This technology will give you the possibility to print any kind of material, from technical and recycled thermoplastic pellets to clay and concrete, and even biomaterials such as mycelium.

1. WASP EXTRUDER AND COMPATIBLE TOOLS

2. ROBOTIC ARM

3. CEREBRO

4. VACUUM BUILDPLATE



WASP EXTRUDERS AND TOOLS

Seamless integration of WASP Extruders and tools on many different systems

MULTI-PROTOCOL FUNCTIONALITY

**Connect via WiFi, Ethernet, USB or Bluetooth.
Adapt to any robotic system effortlessly.**

LIVE CAMERA

Included for real-time monitoring of the printing process.

EXPERT GUIDANCE

WASP offers dedicated support to guide you through the integration process.

USER-FRIENDLY APP

Take command with our intuitive app, providing precise control and customization at your fingertips.

Industry 4.0 compliant technology

Wi-Fi module for support remote control





Extruders



CEREBRO is an integration system between robots and extruders

Compatible with all WASP Extruders and printing tools, both LDM and FGF

EXTRUDERS

- HDP Extruder
- HDP XL Extruder
- LDM 3.0 Extruder
- LDM XL 3.0 Extruder
- LDM XXL 3.0 Extruder
- LDM Manual Feeding
- HLDM Industrial Clay

TOOLS

- WASP CFS Clay
- Concrete HD CFS
- Vacuum buildplate





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