



PRINTERS ▾

MODULAR
HEADS

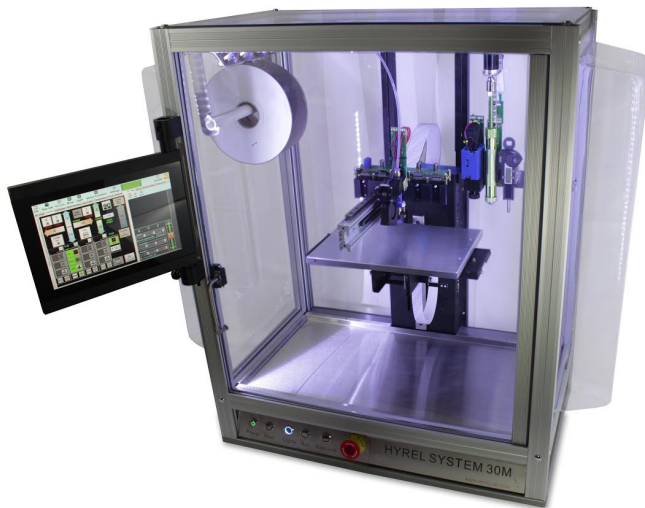
MATERIALS

APPLICATIONS

RESOURCES ▾

SYSTEM 30M

High Reliability - Low Maintenance - High Uptime - Enclosure



- Protect your builds from outside environmental changes
- Enclosed build environment and filament storage
- Works with all Hyrel print heads, allowing you to work with numerous materials, including Clay, Plasticine, Sugru, Silicone RTV, porcelain, ABS, PLA, Nylon, NinjaFlex, FilaFlex and more!
- Designed with safety in mind
- Rugged, all-metal design
- Includes interchangeable mounting system
- State-of-the-art, plug-and-play electronics (Gib System)
- Ready for upgrade/expansion options

- Compatible with large volume extruders

TECH SPECS

BUILD VOLUME

- X Axis 225 mm
- Y Axis 200 mm
- Z Axis 200 mm

POSITIONAL ACCURACY:

- X Axis +/- 50 microns
- Y Axis +/- 50 microns
- Z Axis +/- 10 microns

POSITIONAL RESOLUTION:

- X Axis 5 microns
- Y Axis 5 microns
- Z Axis 1 micron

CHASSIS & ENCLOSURE:

- Powder-coated Steel & Anodized Aluminum
- Plastic Windows

MOTION CONTROL:

- Precision Ball Screw in Z-axis
- IKO Linear Bearing System in X, Y, and Z Axes

ELECTRONICS:

- State-of-the-art 150+ MHz 32-bit ARM processor
- Modular, micro-stepping motor-drivers
- Integrated, Dual CAN-bus architecture
- “Smooth Move” motion control technology firmware
- Integrated web camera for build area monitoring

TABLET PC:

- USB: Four USB 2.0 Ports (External)
- WLAN: WiFi Capable

PHYSICAL DIMENSIONS

OUT OF THE BOX, DOORS OPEN & LCD FULLY-EXTENDED

- Weight: 50 lbs / 23 kgs
- Width: 40 in / 97 cm
- Depth: 16 in / 41 cm
- Height: 31 in / 79 cm

OUT OF THE BOX, DOORS CLOSED & LCD FULLY RETRACTED

- Weight: 50 lbs / 23 kgs
- Width: 35 in / 89 cm
- Depth: 16 in / 41 cm
- Height: 31 in / 79 cm

ATX POWER SUPPLY SPECS:

- Power: 750 W
- Voltage: 115 / 230 V
- Current: 16 / 8 A
- Frequency: 60 / 50 Hz
- Physical On/Off Switch: Yes

- IEC-60320 C14 connector
- IEC-60320 C13-to-NEMA 15 Power Cable
- US Standard (International must supply own)

COMPATIBLE HEADS

HOT FLOW HEADS:

- MK1-250
- MK2-250
- MK1-450

COLD / WARM FLOW HEADS:

- EMO-25, COD-25
- VOL-25, VCD-25
- KRA-15, KCD-15

SYRINGE HEADS:

- SDS-5, CSD-5
- SDS-10, CSD-10
- SDS-30, CSD-30
- SDS-60, CSD-60

OTHER HEADS:

- Spindle Tool
- Lasers
- Extra Cooling Fan
- Microscope

WHAT IS INCLUDED

- ✓ Enclosed HYREL 3D Printer
- ✓ Emergency Off (EMO) Button & Illuminated Control Panel
- ✓ Tablet PC
- ✓ Large 225x200x200mm Build Area
- ✓ Swiveling LCD Touch Screen
- ✓ Chamber Lighting
- ✓ Tool Tree holds up to five additional heads

SERVICE & SUPPORT

Our Warranty Policy is contained within our Ordering Terms, Policies, and Conditions page. We are committed to providing the best customer service and support possible.



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