



2910 COLE COURT, SUITE G, NORCROSS GA 30071

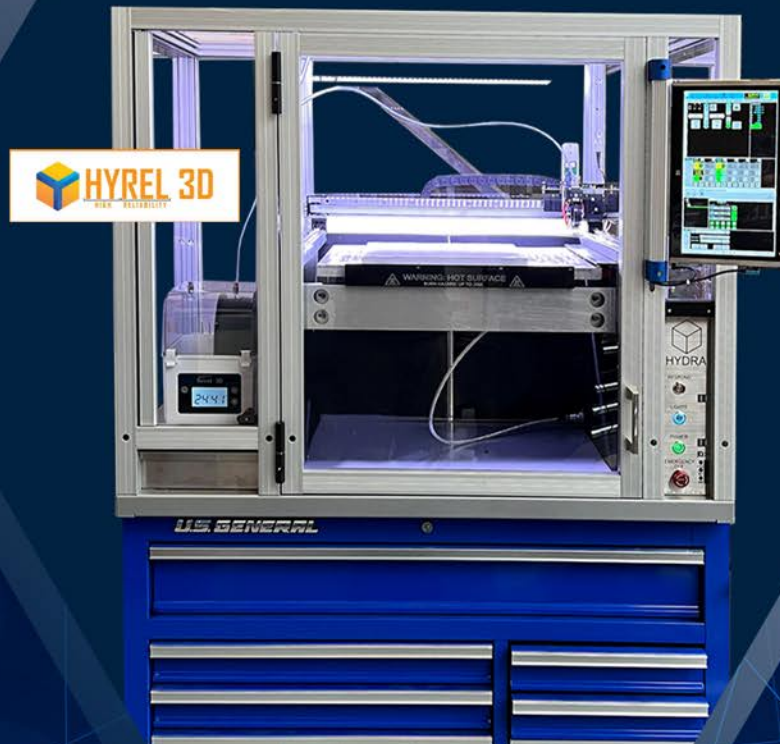


HYREL 3D

VERSATILITY TO THE MAX - ENDLESS POSSIBILITIES

PRICE LIST 2024

CERAMIC, PETG, PEEK, ALUMINA,
NINJAFLEX (A), NINJAFLEX (B),
RTV SILICONE, PVACEMENTS,
HYDROGELS, PHOTOCURABLE RESINS,
PCL, ABS, FILAFLEX



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💬 SKYPE [hy.rel](https://www.skype.com/name/hy.rel)
🌐 www.hyrel3d.com
📺 [Hy Rel](https://www.youtube.com/channel/UC...)

ENGINE SR

The Standard Resolution Platform for the Laboratory

Ideal for Standard prints, Multiple material prints, Exotic materials and Experimentation.

***not Recommended for Thermoplastics*

SPECIFICATIONS

- **Motion Control:**
 - Precision Ball Screw in Z-axis
 - Precision Linear Bearing Systems in X, Y, and Z Axes
- **Positional Resolution (minimum movement):**
 - 5 microns in the X and Y Axes
 - 1 micron in the Z-axis (layer thickness)
- **Positional Accuracy (full travel and return):**
 - +/- 50 microns in the X and Y Axes
 - +/- 10 microns in the Z-axis
- **Integrated Windows Tablet PC**
 - Multitouch Screen
- **Integrated Dual CAN-bus architecture**
- **Hotbed to 80°C**
- **Power: 750 W**
- **Voltage: 115/230 V**
- **Current: 16/8 A**
- **Frequency: 60/50 Hz**



Bundle Discount

ESR +90C Hotbed + FH2-260

\$3050

ENGINE HR

The High Resolution Platform for Biologicals and Micro-Scaffolds

Specifically engineered for microfluidics and bioplotting.
Configured for Wellplates & UV Photoinitiation

SPECIFICATIONS

- **Motion Control:**
Precision Ball Screws in ALL AXES
Precision Linear Bearing System in ALL AXES
- **Positional Resolution (minimum movement):**
1 micron X/Y/Z
- **Positional Accuracy (full travel and return):**
10 micron X/Y/Z
- **Integrated Windows Tablet PC**
Multitouch Screen
- **Integrated Dual CAN-bus architecture**
- **Optional Chilled Cold bed**
- **Power:** 750 W
- **Voltage:** 115/230 V
- **Current:** 16/8 A
- **Frequency:** 60/50 Hz



Bundle Discount

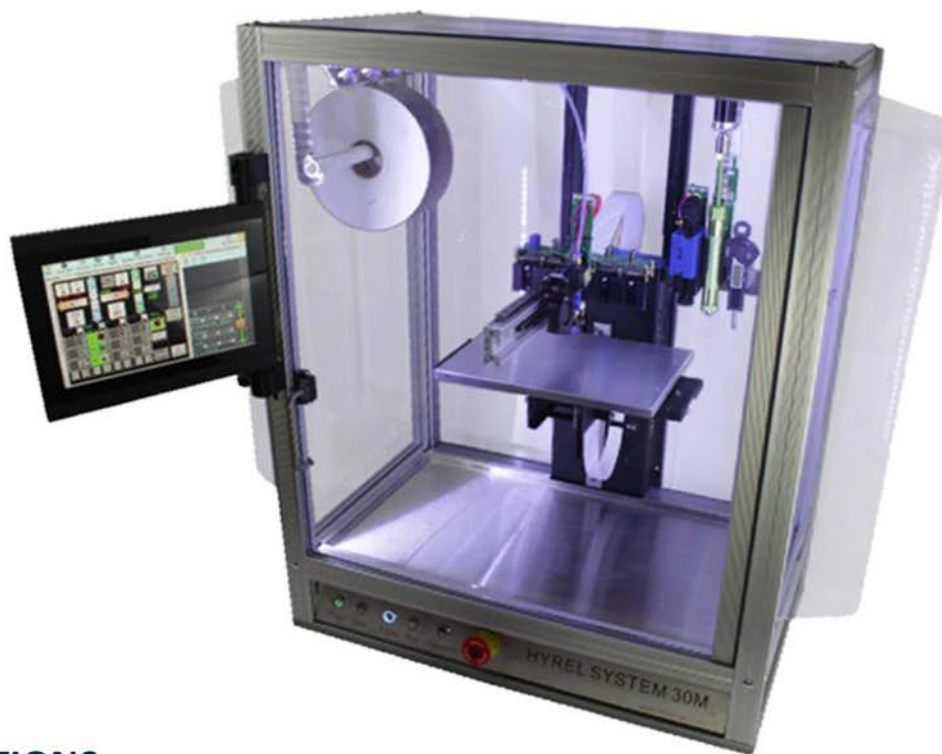
EHR +100C Hotbed + FH2-260

\$8650

SYSTEM 30M

The Workhorse for Material Science

Ideal for Standard prints, Multiple material prints, Exotic materials and Experimentation.



SPECIFICATIONS

- **Motion Control:**
Precision Ball Screw in Z-axis
Precision Linear Bearing Systems in X, Y, and Z Axes
- **Positional Resolution (minimum movement):**
5 microns in the X and Y Axes
1 micron in the Z-axis (layer thickness)
- **Positional Accuracy (full travel and return):**
+/- 50 microns in the X and Y Axes
+/- 10 microns in the Z-axis
- **Integrated Windows Tablet PC Multitouch Screen**
- **Integrated Dual CAN-bus architecture**
- **Hotbed to 80°C**
- **Optional Enclosure heater to 55°C**
- **Power: 750 W**
- **Voltage: 115/230 V**
- **Current: 16/8 A**
- **Frequency: 60/50 Hz**

Bundle Discount

30M +90C Hotbed + FH2-260

\$5800

HTC: Enclosure Heater with Thermostat

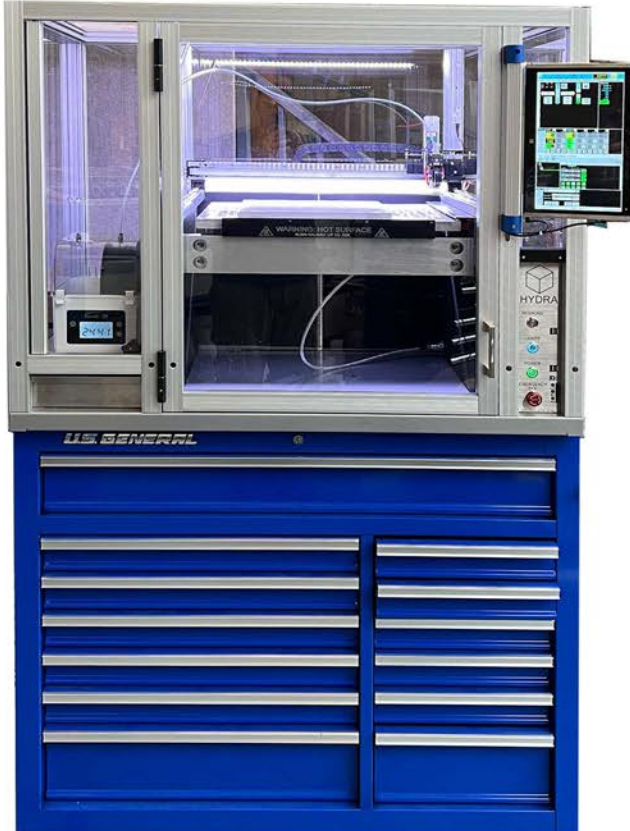
\$800

HTS: Humidity and Temperature Sensor

\$150

HYDRA H21

The Rugged, Very Large Volume Printer for Serious Applications
with Dozens of Heads for Thousands of Materials and Multi-disciplinary Operations.



*toolbox not included

H21 + 200C Hotbed + FH2-260 + UV sides

Bundle Discount

\$10650

- 4LN:** Lathe-style 4th axis
- 45TN:** Trunion-style 4th and 5th axes
- 45HN:** Harmonic-style 4th and 5th axes
- PNP:** Pick and Place head, camera, parts holder
- ST3:** Spindle Tool, 48VDC, 8.3A, 400W
(12,000 rpm with no load)

- \$1500**
- \$2500**
- \$4000**
- \$2500**
- \$750**

SPECIFICATIONS

- **Motion Control:**
Four Precision Ball Screws in Z-axis
Precision Linear Bearing Systems in X, Y, and Z Axes
- **Positional Resolution (minimum movement):**
6 microns in the X and Y Axes
1 micron in the Z-axis (layer thickness)
- **Positional Accuracy (full travel and return):**
+/- 60 microns in the X and Y Axes
+/- 10 microns in the Z-axis
- **Integrated Windows Tablet PC Multitouch Screen**
- **Integrated Dual CAN-bus architecture**
- **Enclosure can be heated to 55°C**
- **Power: 750 W**
- **Voltage: 115/230 V**
- **Current: 16/8 A**
- **Frequency: 16/8 A**

MODULAR HEADS FOR FDM/FFF and Specialty Tools

FILAMENT PRINTING

FH2-260: 1.75mm filaments up to 260C	\$500
FH2-450: 1.75mm filaments up to 450C	\$650
QS: Quiet Storm additional cooling fan	\$175

LASER ACCESSORIES

LA6-450: 6W, 450nm Laser	\$1000
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SPECIALTY TOOLS

VORF electronic probing head *custom configurations	\$2500
PNP: Pick and Place head, camera, parts holder	\$2500
Mic200: 200x USB Microscope	\$500

CUSTOM DEVELOPMENT OPTIONS

Please inquire if you are interested in custom heads,
Electro-Melt Spinning, or other special technologies.

Don't see what you need?
Please contact us!

Modular Heads for DIW, SEP, SSE, 3DCP, DCC, DPE, HME, or Robocasting

AMBIENT TEMPERATURE

ONE MATERIAL

SDS-1: 1cc Syringes, up to 100,000 cP	\$500
SDS-5: 5cc Syringes, up to 100,000 cP	\$500
SDS-10: 10cc Syringes, up to 100,000 cP	\$500
SDS-30: 30cc Syringes, up to 100,000 cP	\$500
SDS-60: 60cc Syringes, up to 100,000 cP	\$500
EMO: 25cc Reservoir, up to 300,000 cP	\$500
SDS-30XT: 30cc Syringes, up to 300,000 cP	\$650
SDS-60XT: 60cc Syringes, up to 300,000 cP	\$650
SDS-150XT: 150cc Syringes, up to 300,000 cP	\$650
EMO-XT: 11cc Reservoir, up to 1,000,000 cP	\$750
EMO-ST: 30cc Reservoir, up to 1,000,000 cP	\$1100

MULTI-MATERIAL

DSD-2: Passively blends parts A and B from a two-part syringe, up to 100,000 cP	\$600
DSD-2: Passively blends parts A and B from a two-part syringe, up to 1,000,000 cP	\$800
SMH-2: Passively blends two material (from supplying heads), up to 100,000 cP	\$1000
DMH-2: Actively blends two material (from supplying heads), up to 100,000 cP	\$2800

HEATED/CHILLED

ONE MATERIAL

HSD-30: 30cc Syringe, heated up to 50C, up to 100,000 cP	\$750
HSD-10-Ardes: 10cc Polyamide Syringe, heated up to 100C, up to 100,000 cP	\$1000
RSD-30: 30cc Syringe, chilled down to 0C, up to 100,000 cP	\$1600
VOL: 25cc Reservoir, heated up to 90C, up to 300,000 cP	\$700
KRA: 11cc Reservoir, heated up to 180C, up to 1,000,000 cP	\$1200
KRA-ST: 30cc Reservoir, heated up to 180C, up to 1,000,000 cP	\$1500
TAM: 11cc Reservoir, heated up to 270C, up to 1,000,000 cP	\$1600

ADVANCED FLOW CONTROL

CV: Clench (Pinch) Valve for instant start/stop, up to 100,000 cP	\$500
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HIGHER TORQUE

SMALLER VOLUME

Our EMOXT, KR2, and TAM heads can take special 1.5cc reservoirs for thicker materials:	
HTK-90: 1.5cc, up to 90C	\$400
HTK-180: 1.5cc, up to 180C	\$500
HTK-270: 1.5cc, up to 270C	\$600

UV PHOTOINITIATION

PCA-280: 0.5W, 280nm array	\$500
PCA-310: 0.5W, 310nm array	\$500
PCA-365: 0.5W, 365nm array	\$150
PCA-405: 0.5W, 405nm array	\$150
PCA-450: 0.5W, 450nm array	\$150
UVP-365: 5W, 365nm UV Pen	\$1000
UVP-405: 5W, 405nm UV Pen	\$1000
UVP-450: 5W, 450nm UV Pen	\$1000