



2910 COLE COURT, SUITE G, NORCROSS GA 30071

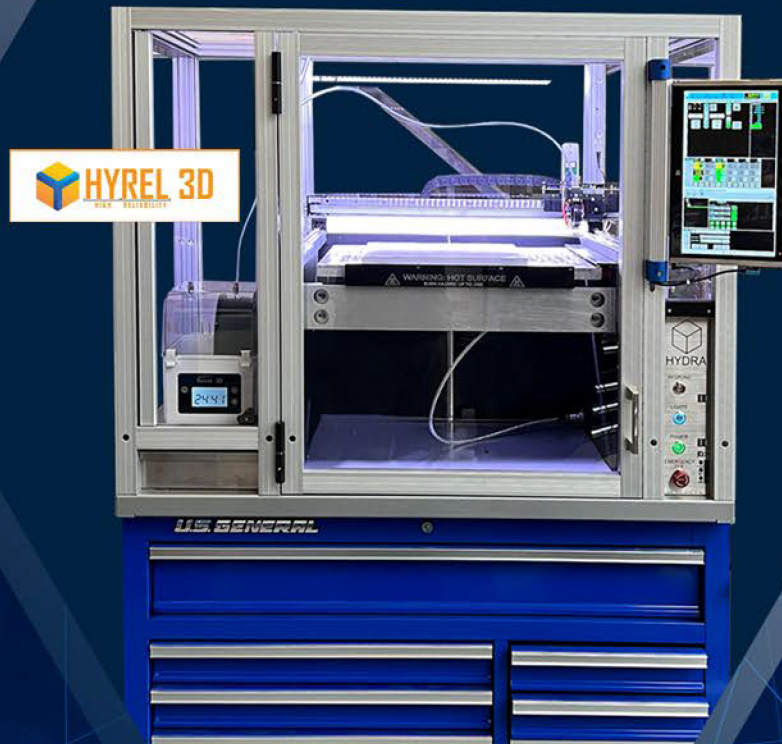


HYREL 3D

VERSATILITY TO THE MAX - ENDLESS POSSIBILITIES

PRICE LIST 2025

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



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✉ hyrel3d@gmail.com
📷 [hyrel_3d](https://www.instagram.com/hyrel_3d)
💬 SKYPE [hy.rel](https://www.skype.com/en/contacts/hyrel)
🌐 www.hyrel3d.com
📺 Hy Rel

ENGINE SR

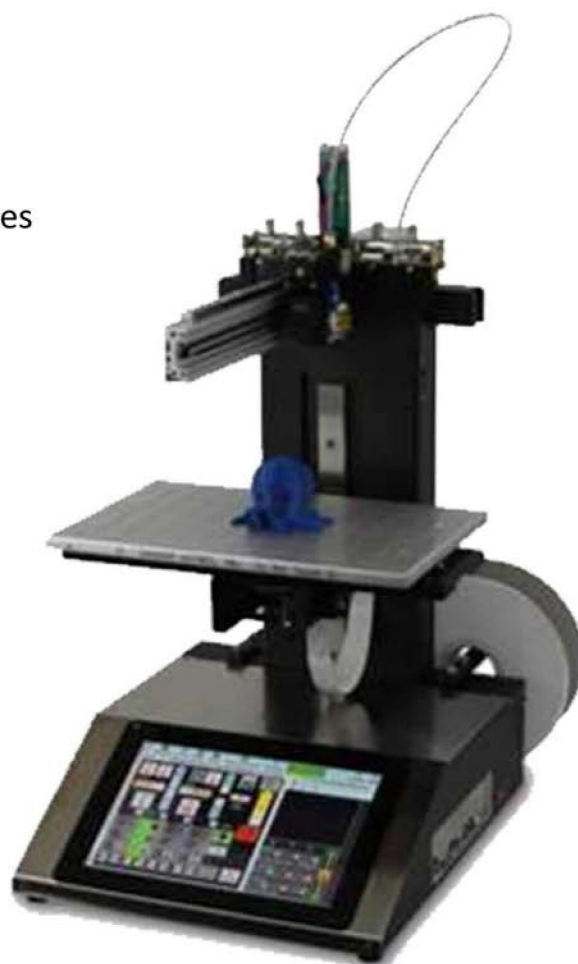
The Standard Resolution Platform for the Laboratory

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:** 120/240 VAC
- **Current:** 16/8 A
- **Frequency:** 60/50 Hz



Bundle Discount

ESR +90C Hotbed + FH2-260

\$3050

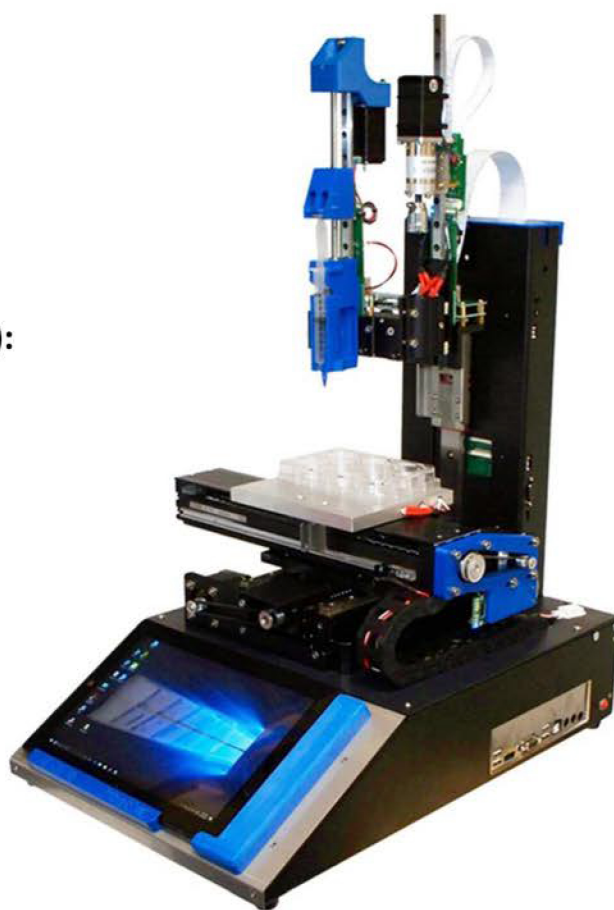
ENGINE HR

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:** 120/240 VAC
- **Current:** 16/8 A
- **Frequency:** 60/50 Hz



Bundle Discount

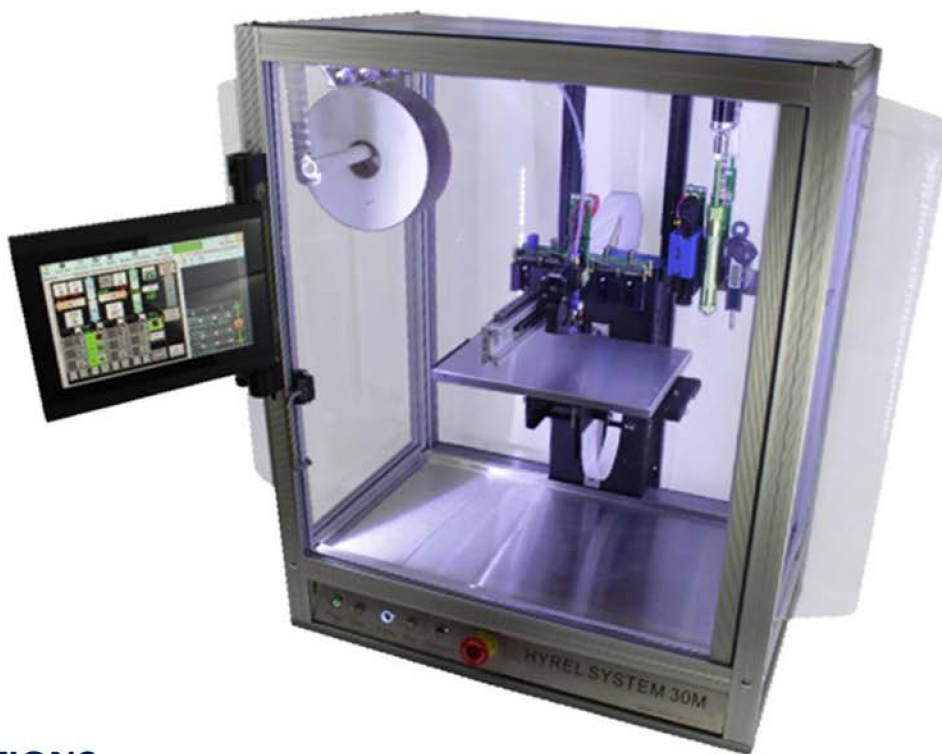
EHR +120C Hotbed + FH2-260

\$8650

SYSTEM 30M

The Workhorse for Material Science

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



SPECIFICATIONS

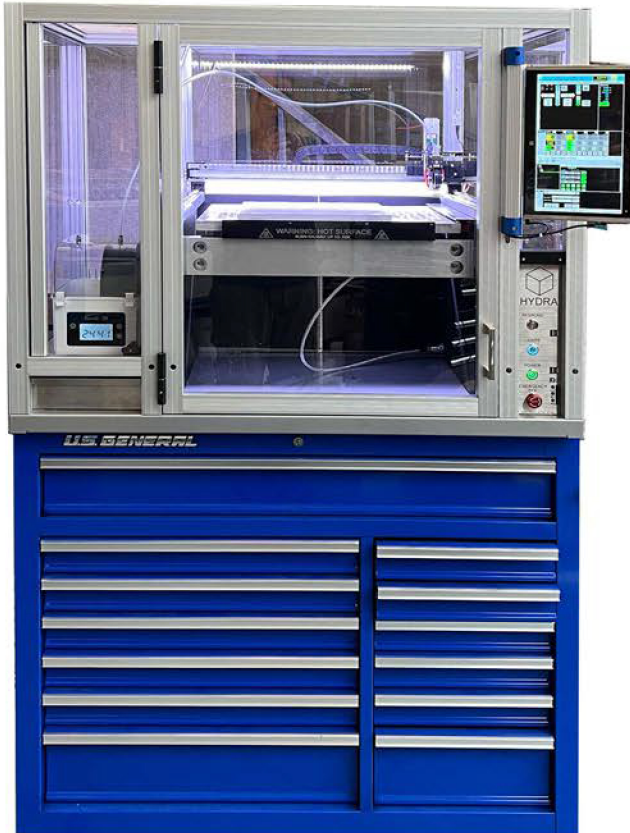
- **Motion Control:**
Precision Ball Screw in Z-axis
Precision Linear Bearing Systems in X, Y, and Z Axes
- **Positional Resolution (minimum movement):**
5 microns in the X and Y Axes
1 micron in the Z-axis (layer thickness)
- **Positional Accuracy (full travel and return):**
+/- 50 microns in the X 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: 120/240 VAC**
- **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):**
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**
- **Enclosure can be heated to 55°C**
- **Power: 750 W**
- **Voltage: 120/240 VAC**
- **Current: 16/8 A**
- **Frequency: 60/50 Hz**

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	\$200

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
PNU-300SS-VA: 300cc pneumatic drive (customer supplies), valve activated, ambient temperature, up to 1,000,000 cP	\$1200
PNU-500SS-VA: 500cc pneumatic drive (customer supplies), valve activated, ambient temperature, up to 1,000,000 cP	\$1500

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	\$800
KR2: 11cc Reservoir, heated up to 180C, up to 1,000,000 cP	\$1200
KR2-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
PNU-300SS-VH: 300cc pneumatic drive (customer supplies), valve activated, heatable to 80C max, up to 1,000,000 cP	\$2200
PNU-500SS-VH: 500cc pneumatic drive (customer supplies), valve activated, heatable to 80C max, up to 1,000,000 cP	\$2500

ADVANCED FLOW CONTROL

CV: Clench (Pinch) Valve for instant start/stop, up to 100,000 cP

\$500

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
HTK-180: 1.5cc, up to 180C
HTK-270: 1.5cc, up to 270C

\$400
 \$500
 \$600

UV PHOTOINITIATION

PCA-280: 0.5W, 280nm array
PCA-365: 0.5W, 365nm array
PCA-405: 0.5W, 405nm array
PCA-450: 0.5W, 450nm array
UVP-365: 5W, 365nm UV Pen
UVP-405: 5W, 405nm UV Pen
UVP-450: 5W, 450nm UV Pen

\$500
 \$150
 \$150
 \$150
 \$1000
 \$1000
 \$1000

MULTI-MATERIAL

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

\$600
 \$800
 \$1000
 \$2800