

**More than
1000 different materials**

AMS-HYREL SYSTEMS ARE CAPABLE OF PRINTING THOUSANDS OF MATERIALS. THE ONLY LIMITATION IS YOUR IMAGINATION

3D PRINTING IS CHANGING THE WORLD

"For those of you who believe that 3D printing is just a fringe technology overhyped by an enthusiastic maker community, or that its impact is limited to headline grabbing futuristic experiments like 3D printing, also referred to as additive manufacturing, is poised to significantly and permanently disrupt global production. No longer just a tool for rapid prototyping, 3D printing is now being used for end-to-end use part production and adoption is growing exponentially."

- Rick Smith, Forbes

Check us out on YouTube OVER 100 Videos,
<https://www.youtube.com/channel/UCT-48K-0Y4xoTvbJCjyDFXA>

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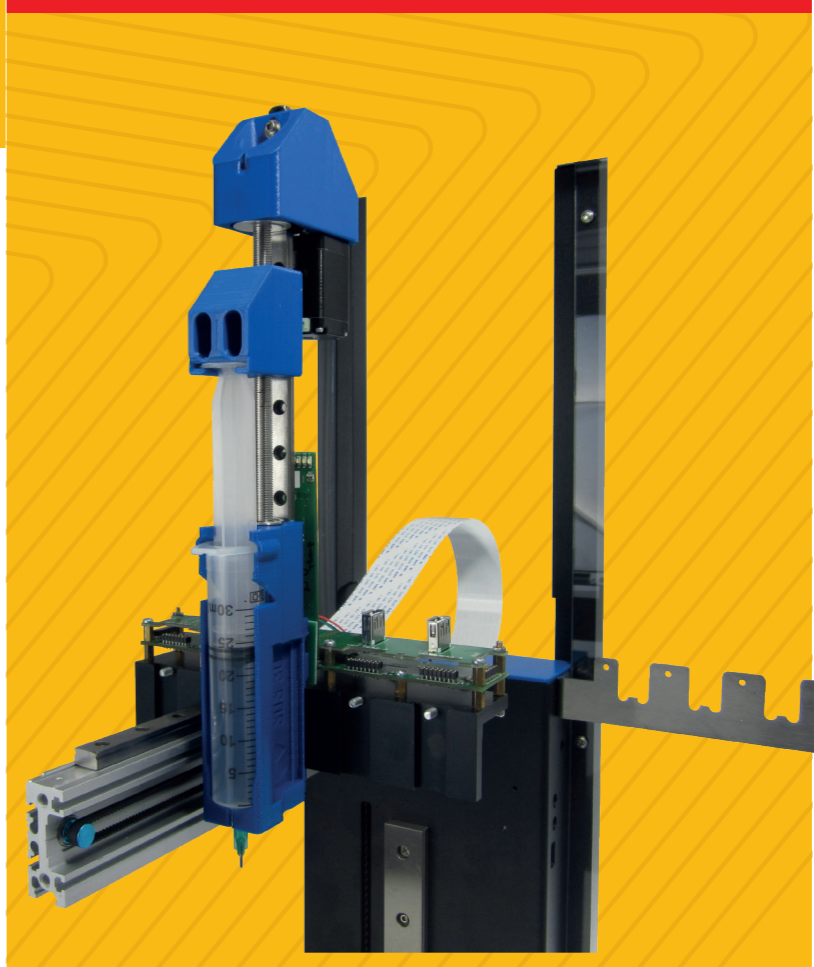


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AMS-HYREL-3D MODULAR HEADS



COLD FLOW

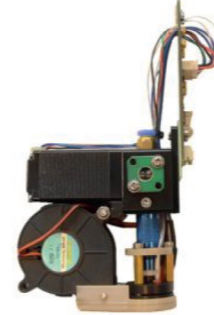
The EMO -25 Prints in Bio-gels, Clays and including PMC, Plasticine Play-Doh, Porcelain, RTV Silicone, Sugru(Rubber), Sculpey and more

The SDS heads print as above, using sterile luer-compatible syringes



STANDARD HOT FLOW

The MK1-250 prints in ABS, HIPS, LayBrick, LayWood, Nylon, PC, PET, PETG, PETT, PLA, PP, PVA, T-Glase, 1.75mm filaments at up to 250°C



WARM FLOW

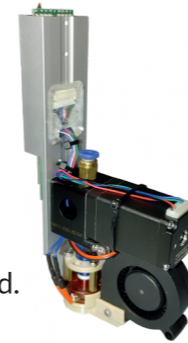
The Vol-25 prints in waxes and similar materials at up to 100°C. The KRA-15 prints in PU, PCL and similar materials at upto 150°C. The luer tip kit allows for a quick change with industry standard. Luer-lock fittings for all cold and warm flow extruders.



WARM FLOW

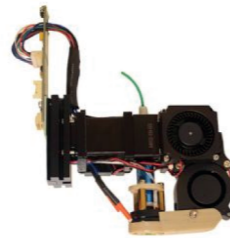
The Vol-25 prints in waxes and similar materials at up to 100°C. The KRA-15 prints in PU, PCL and similar materials at upto 150°C.

The Luer tip kit allows for a quick change with industry standard. Luer-lock fittings for all cold and warm flow extruders.



FLEXIBLE HOT FLOW

The MK2-250 prints in BendLay, EcoFlex PLA, FilaFlex, Flex45, Ninjaflex, PlastInk Rubber, 1.75mm dia filaments at up to 250°C



COLD CROSSLINKING

The COD-25 is an EMO-25 with photoinitiated crosslinking at user specified wavelengths. The COD heads with photo initiated cross linking at user specified wavelength, For 5-, 10-, 30- and 60-cc sterile, disposable syringes

WARM CROSSLINKING

The VCD-25 is a VOL-25,with photoinitiated crosslinking at user specified wavelengths. The KCD -15 is KRA-15 with photoinitiated crosslinking at user specified wavelengths

VERY HOT FLOW

The MK!-450 prints in PEEK, PEI (Ultem), PEKK and other high temperature engineering grade 1.75 mm filaments



PRINT HEADS COMPARISON			
Designation	Material	Temperature	Other
MK1-250	1.75mm Filament	Up to 250°C	For Standard Material
MK1-450	1.75mm Filament	300 to 450°C	For High-Standard Material
MK2-250	1.75mm Filament	Up to 250°C	For Flexible Material
HT-250	1.75mm Filament	Up to 250°C	For Standard Material
SDS-300	Liquid, Gel	Up to 250°C	N/A
DSD-50	Two-part Mixtures	Ambient	N/A
SMH-2	Two-part Mixtures	Ambient	N/A
HSD-10 Ardes	Liquid, Gel	Up to 100°C	N/A
RSD -30-BD	Liquid, Gel	Down to 5°C	N/A
EMO-25	Liquid, Gel, Paste	Ambient	N/A
VOL-25	Paste, Clay Hot Glue	Up to 90°C	N/A
KR2-15	Paste, Clay Hot Glue	Up to 150°C	N/A
TAM-15	Paste, Clay Hot Glue	Up to 250°C	N/A
UVP-365nm	Photoinitiators	N/A	Focusable
Lasers-808nm	Dark, Opaque	N/A	5w, 808nm
ST3	Waxes, Plastics Light material	N/A	12,000 (with no load)