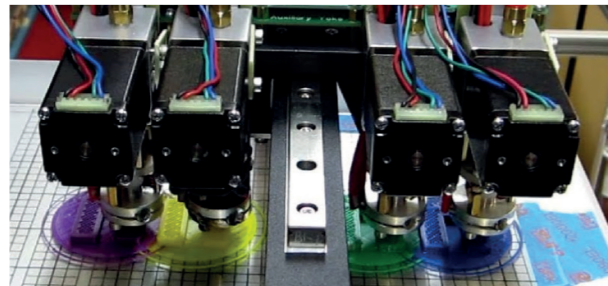


## WHAT MAKES US DIFFERENT RELIABILITY IS OUR BEST VALUE

**IT'S SIMPLE:  
WE BELIEVE IN MAKING THINGS THAT WILL  
WORK FOR A LONG TIME**

Where other 3D printing companies hope to dazzle with form, we always put function first. Our competitors make specialized machine to print specialized materials. One machine can print plastics, another can print high temperature resins, a third can print composites and on, and on. Each new task might require the purchase of another new machine. That will never happen with our machine. Instead of spending on a new printer, you might spend a fraction of that on a new printer head.



### 3D PRINTING IS CHANGING THE WORLD

Industrial 3D printing also referred to as additive manufacturing is poised to significantly and permanently disrupt global communication. No longer just a tool for rapid prototyping, 3D printing is now being used for end-use production and adoption is growing exponentially.

For those of you who believe that 3D printing is just fringe technology overhyped by an enthusiastic maker community, or that its impact is limited a headline grabbing futuristic experiments like 3D printed organs, Think again.

## WORLD CLASS SERVICE WE'VE GOT YOUR BACK

AMS-Hyrel believes innovation is a team effort. Our customers use our products with the confidence that we will always be there and available to help them. Whether it's a technical issue or a tricky print job, we work with you to find a fix



**Manufactured & Marketed By,**  
Advance Mechanical Services Pvt Ltd (AMS - India)  
108E, SRS Road Peenya Industrial Area,  
3rd phase, Bangalore -560 058, Karnataka, India.  
Contact: info@ams-india.com  
www.ams-india.com

Mr.Rajiv J Dhawan  
rajiv.dhawan@ams-india.co.in  
Contact No- +91 9552523719

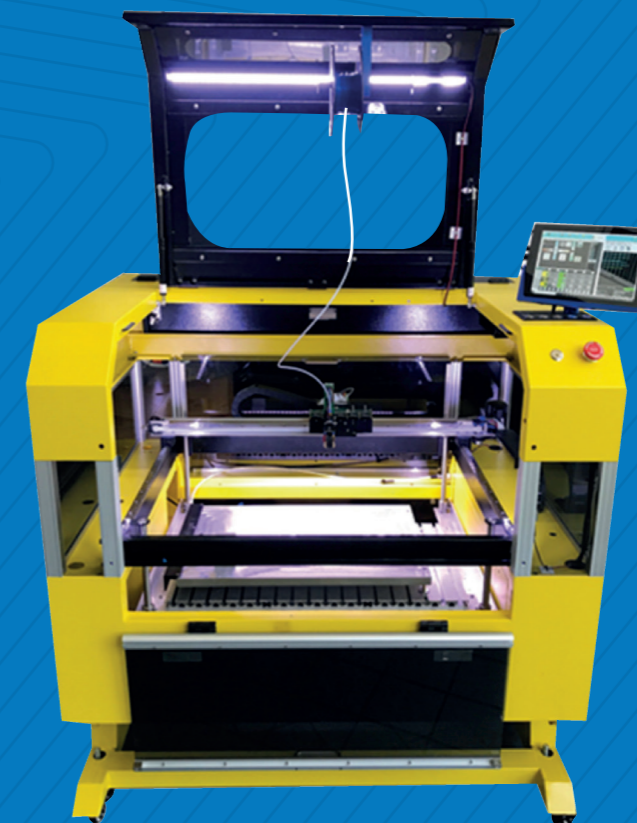
108E, SRS Road Peenya Industrial Area,  
3rd phase, Bangalore -560 058  
Karnataka, India.

Mr.Vishal Adhav  
vishal.adhav@ams-india.co.in  
Contact No- +91 7972270646



## AMS-HYREL-3D

UNMATCHED 3D VERSATILITY  
WITH HIGH RELIABILITY



AMS -India has collaborated with Hyrel 3D Inc of USA to manufacture the entire range of products made by Hyrel 3D. The vision of the company is to become a World-Class Center of Excellence in Engineering and manufacturing 3D Printing machines and also cater to increasing needs of 3D printing services in the industry.

The domains for which we can supply 3D printing machines are:

AEROSPACE, APPLIANCES, ARCHITECTURE, ENGINEERING, GIS/MAPPING, DETAIL, AUTOMOTIVE, EDUCATION and MEDICAL.

#### HYDRA 640, 645

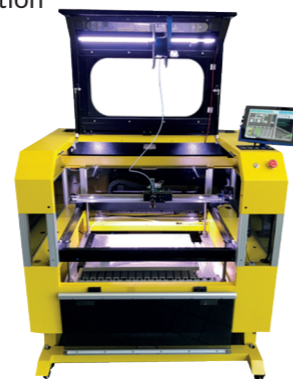
The Rugged, Very Large volume printer for serious applications.

#### Specifications in X, Y, Z:

430:400×300×250 mm(16×12×10")  
 640:600×400×250 mm(24×16×10")  
 645:600×400×500 mm(24×16×20")  
 6×6×1 micron positional resolution  
 60×60×10 micron positional accuracy  
 30×30×5 micron positional repeatability  
 Belt - Belt - Ballscrew Positioning  
 Closed - Loop encoder feedback motion  
 Proprietary motion control  
 Recommended prints speed upto  
 3000 mm/min

#### Ideal For:

Very large scale points  
 Multiple material points  
 Multiple operations  
 Volume production  
 Circuit board milling, drilling, laser engraving 40w or 80 w CO2 laser options.



#### SYSTEM 30 M

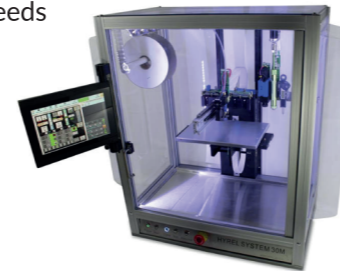
The workhorse for material science.

#### Specification in X, Y, Z:

200×200×200 mm(8×8×8")  
 5×5×1micron positional resolution  
 50×50×10 micron positional accuracy  
 25×25×5 micron positional repeatability  
 Belt-Belt-Ball-screw Positioning  
 Proprietary motion control  
 Recommended print speeds  
 up to 2000 mm/min

#### Ideal For:

Standard Points  
 Multiple material prints  
 Exotic Materials  
 Experimentation



#### ENGINE SR

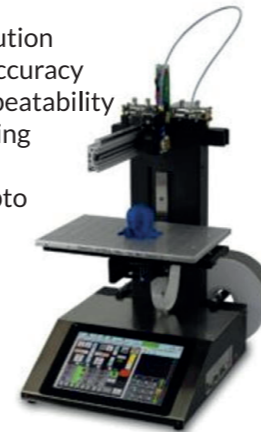
Standard resolution platform for the laboratory,

#### Specification in X, Y, Z:

200×200×200 mm(8×8×8")  
 5×5×1 micron positional resolution  
 50×50×10 micron positional accuracy  
 25×25×5 micron positional repeatability  
 Belt -Belt -Ballscrew Positioning  
 Proprietary motion control  
 Recommended print speeds upto  
 2000 mm/min

#### Ideal For:

Standard prints  
 Multiple material prints  
 Exotic Materials  
 Experimentation



#### ENGINE HR

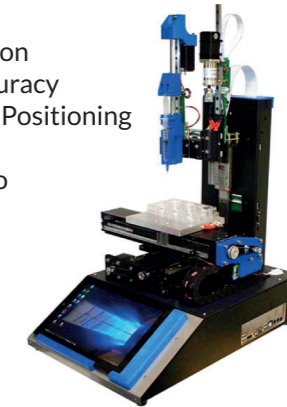
High Resolution platform for biological and Micro-Scaffolds

#### Specification in X, Y, Z:

100×100×100 mm(8×8×8")  
 1×1×1 micron positional resolution  
 10×10×10 micron positional accuracy  
 Ballscrew- Ballscrew -Ballscrew Positioning  
 Proprietary motion control  
 Recommended print speeds upto  
 1000 mm/min

#### Ideal For:

Small scale parts  
 Bio-gels  
 Crosslinking resins  
 Tissue engineering



#### EXTRUDERS

The below modular heads can be used for 3D printing with respective of 3D printing material

