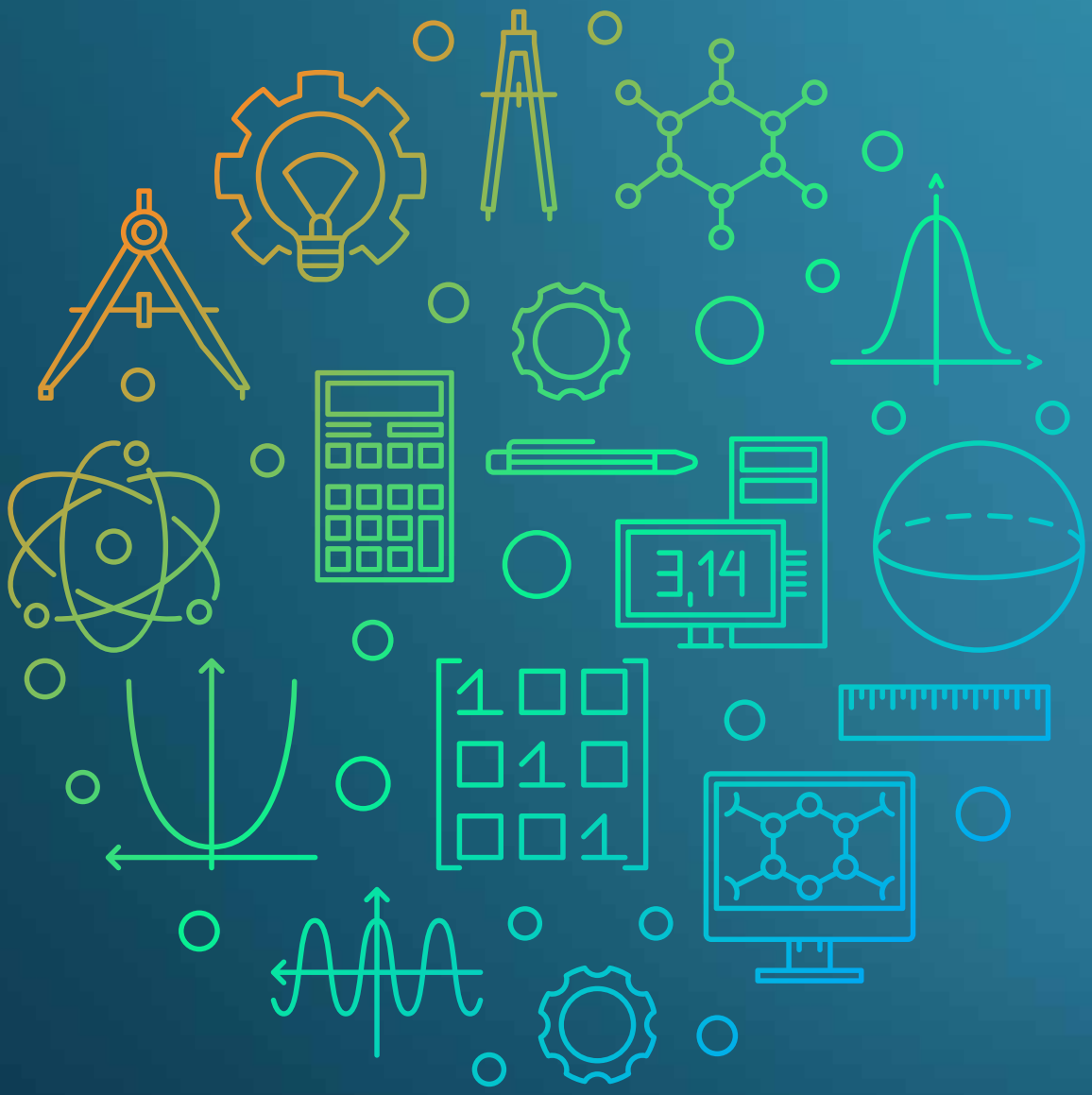
SPECIAL OFFER!

Metal 3D Printing Bundles for Academic and Research Institutes

Drive innovation with powerful, versatile and affordable all-inclusive metal additive manufacturing (AM) solutions to run your lab seamlessly with complete three-year solution including equipment, service and software



3D SYSTEMS

Unlock your metal research potential, attract top talent and investment

3D Systems' complete direct metal printing (DMP) additive manufacturing solutions empower academic innovation centers and research institutes to explore new materials, geometries and process optimization strategies.

Propel your innovation hub with 3D Systems' all-inclusive metal 3D printing bundles

Specially-developed solutions for academic and research institutes, the academia bundles provide significant savings on complete packages for metal additive manufacturing and keep your lab running efficiently for three years, with:

- A choice of powerful, versatile metal 3D printers – DMP Flex 200 or DMP Flex 350
- LaserForm® 316L stainless steel starter kit
- Build volume reducer
- Process equipment and accessories
- Installation and training
- Three-year 3DXpert® open architecture software subscription and 10 student seats
- DMP Monitoring and 3DXpert Build Insight diagnostic tool three-year subscription (DMP Flex 350 bundle only)
- Three years of maintenance and tech support

Attract top talent

Elevate your university's brand and enhance student recruitment and faculty retention while fostering grant and endowment opportunities.

Unlock research potential

Experiment with an open system, high power laser and the ability to process a wide range of powder specifications.

Add value

Forge relationships with the business and research communities, helping with funding from government projects, and generate opportunities to license and sell new intellectual property.

Develop your own materials and geometries with DMP metal 3D printers

Cutting-edge DMP Flex metal additive manufacturing solutions are designed for flexible use for R&D projects, application development or serial production. DMP printers, 3DXpert software and materials are fine-tuned for process reliability and repeatability, as well as outstanding part accuracy, surface finish and fine features. As part of the bundles, a LaserForm 316L stainless steel kit is included to get you started. Once ready to explore, the build volume reducers are ideal to experiment with small quantities of exotic and/or expensive materials.

DMP Flex 200 - Compactness and versatility

The compact size of the DMP Flex 200 makes it easier for research departments to install in their current facilities. It comes with a patented roller recoater system that is not sensitive to powder morphology, particle size distribution or general flowability specifications.

DMP Flex 350 – Chemical purity and flexibility

The DMP Flex 350 enables a larger, reducible build volume with easy material switches. Its vacuum chamber concept results in low oxygen content, enabling better purity parts in materials such as titanium, tungsten or copper.

500W laser

Developing parts that are stronger, lighter and more functional requires a high-powered laser. The DMP Flex 200 and DMP Flex 350 include a 500-watt laser that delivers outstanding performance.

3DXpert Educational software

An all-encompassing software package that is fully compatible with the DMP Flex family of 3D printers and provides users with total control over their workflow with an open architecture for custom material parameter development and maximum design freedom.

Specifications	DMP Flex 200 	DMP Flex 350
Laser power type	500W / Fiber laser	500W / Fiber laser
Laser wavelength	1070 nm	1070 nm
Build volume (X x Y x Z) Height inclusive of build plate	140 x 140 x 115 mm (5.51 x 5.51 x 4.53 in)	275 x 275 x 420 mm (10.82 x 10.82 x 16.54 in)
Layer thickness	10 µm – 120 µm	Adjustable, minimum 5 µm, typical values: 30, 60, 90 µm
Minimum feature size	x=100 µm, y=100 µm, z=10 µm	200 µm
Typical accuracy	± 0.1-0.2% with ± 50 µm minimum	± 0.1-0.2% with ± 100 µm minimum
Metal alloys with developed print parameters	LaserForm CoCr LaserForm 316L LaserForm Ti Gr5 and LaserForm Ti Gr23	Aluminum, titanium, stainless steel, nickel, cobalt-chrome, copper, maraging steel alloys
Dimensions, uncrated (WxDxH)	1210 x 1720 x 2100 mm (48 x 68 x 83 in)	2360 x 2400 x 2870 mm (93 x 95 x 113 in)
Certification	CE	CE, NRTL

The smart choice for universities and research institutions

The flexibility of our metal 3D printing solutions make them ideal for academic institute and research department applications that require versatility and powerful metal additive manufacturing. The high-performance DMP Flex 200 and DMP Flex 350 printers, software and service included in 3D Systems' special academia bundles create a complete three-year solution with a total cost advantage.

Get the 3D Systems academia bundle for your organization - Contact 3dsystems.com/academia-bundles#contact

Learn more at 3dsystems.com/academia-bundles

3D SYSTEMS
Additive Manufacturing Solutions