



Welcome to the Solid Technologies Product Catalog!

STI Sales and Service Center

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Email: info@slotech.com

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3D Printing Services

Take advantage of our 3D printing technology and expertise!

This service has a comprehensive roster of 3D printing and advanced manufacturing technology. All you have to do is upload your file to our experts, and soon you'll have a quote for your low- or high-volume manufactured parts.

Now, you can tap into decades of knowhow, utilize state-of-the-art 3D printing, and outsource your part manufacturing using Solid Technologies expert advice

You're the expert on your part; we're the experts on 3D Printing it.

CHOOSE FILES AND PROCESS

[CREATE NEW QUOTE](#)

Files to Quote	Units of Measurement	XYZ Dimensions
<input checked="" type="checkbox"/> teapot(rebuilt).stl	<input type="radio"/> Inches <input checked="" type="radio"/> Millimeters	126.7205 X 86.4428 X 66.4718 (Dimensions)

Process: [CREATE QUOTE](#)

QUOTE DETAILS

ColorJet Printing - ZPrint

Material: Finish: Color:

QUANTITY	Part Name (Mouse Over to see)	X	Y	Z	Volume	Price
1	teapot(rebuilt).stl	4.989	3.482	2.617	6.379	\$77

Leadtime: [UPDATE PRICING](#) [BUY NOW](#)

QUOTE ID: 472 PRICE: \$77

[Email us](#) your project details today to learn how to upload your 3D file!

Features:

- Fast quotes so you have your parts when you need them
- Latest technology for whatever your project requires
- Full project management that helps you make informed decisions
- High-end materials options to your exact specifications
- The best resolution and accuracy, so your parts come out as designed



Need an immediate answer? Call us at 888-762-8441

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ProJet® 260C

Professional 3D Printer



The ProJet 260C offers the same ease-of-use as the 160 series while adding basic 3-channel CMY color 3D printing to the realization of your design. As our most affordable full-color 3D printing option, the ProJet 260C prints with minimum features down to 0.4mm (0.016 inches) and is an ideal 3D printer for businesses, schools and industrial design departments.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet[®] 360

Professional 3D Printer

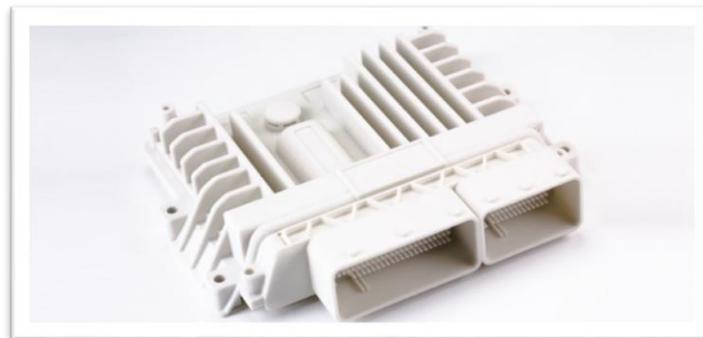


The ProJet 360 expands the dimension and heightens the precision of our most affordable lines of professional automated 3D printers, producing monochrome white prints with minimum features down to 0.15mm (0.006 inches). With a net build area of 203 x 254 x 203 mm (8 x 10 x 8 inches), this printer is ideal for product design labs, architectural modeling, medium-sized models and prototypes.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® 460Plus

Professional 3D Printer



The ProJet 460Plus full-color 3D printer is the world's most affordable color 3D printer with the highest ease-of-use in its class. Incorporating advanced 3-channel CMY full-color 3D printing, the ProJet 460Plus operates with safe build materials, active dust control and zero liquid waste, making it an ideal office companion with a wide range of applications.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® 660Pro

Professional 3D Printer



The ProJet 660Pro is the simplest and most efficient large-build, full-color 3D printer of its class on the market with a net Build Area of 254 x 381 x 203 mm (10 x 15 x 8 inches). It incorporates professional 4-channel CMYK full-color 3D printing to produce exceptional high-resolution models. Ideal for stop motion animation, professional model shops, consumer product design and development, digital manufacturing, fine art production and more.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® MJP 2500 Series

Professional 3D Printer



The ProJet® MJP 2500 Series is the latest in 3D Systems' MultiJet Printing (MJP) line of 3D printers, designed to combine professional grade 3D printing capabilities with an affordable price, an office-friendly footprint and easy part processing, to create functional precision plastic and elastomeric parts. This new MJP family of 3D printers deliver high resolution models, prototypes and injection molded quality parts on-demand.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet[®] MJP 3600 Series

Professional 3D Printer



The ProJet 3600 uses Multi-Jet Printing technologies from 3D Systems to print durable, precision plastic parts ideal for functional testing, design communication, rapid manufacturing, rapid tooling and more. With a choice in materials and selectable print resolutions, this office-friendly, easy-to-use 3D printer is packed with features to help you maximize your return on investment. All ProJet 3600 3D printer products deliver affordability, ease-of-use, quality, high definition and precision for your 3D printed parts. It works with VisiJet materials in UV curable plastic, in a range of colors, translucency, and tensile strengths. Support material is a melt-away wax.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® MJP 3600MAX

Professional 3D Printer

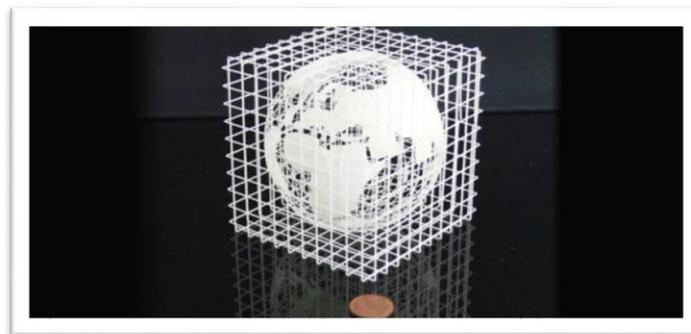


The ProJet 3600MAX uses Multi-Jet Modeling technology to deliver robust, durable, high quality plastic parts. This model includes a High Speed printing mode, an expanded print envelope compared to other models in the range, and larger total part size. Touchscreen controls and remote tablet and smart phone connectivity make operation easy and intuitive. These 3D printers use the VisiJet Materials, offering UV-curable plastic, in a range of colors, translucencies and tensile strengths. White melt-away wax is used for support material.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® MJP 3600W

Professional 3D Printer



The ProJet MJP 3600W produces 100% RealWax micro-detail patterns with improved casting room efficiency to increase the productivity, precision and possibilities of direct investment casting. Achieve mirror standard wax casting with exceptional pattern performance ideal for jewelry, apparel, micro-detail medical devices, medical implants, electrical components, figurines, replicas, collectables and more.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® MJP 3600W MAX

Professional 3D Printer

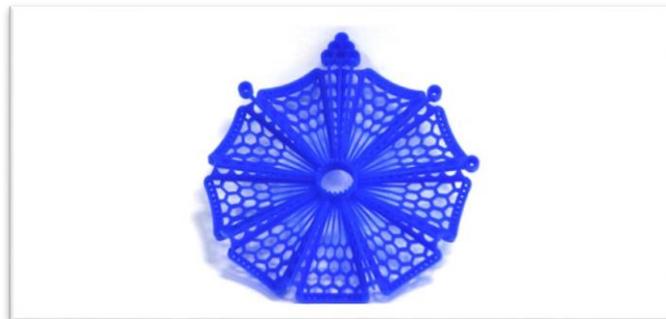


The ProJet MJP 3600W produces mirror standard wax casting patterns with outstanding precision and micro-detail. An expanded print envelope increases total throughput and accommodates larger-sized parts.

Additional options, materials and warranty are available and required to print prototypes

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ProJet® MJP 3600 Dental

Professional 3D Printer



High throughput production of precision wax-ups and models

The ProJet MJP 3600 Dental consistently produces precise wax-ups and dental models, for perfect fit, every time.

DENTAL CAD/CAM PRINTING

Engineered specifically for dental lab use, the ProJet MJP 3600 Dental prints accurate castable and pressable wax-ups for the production of prosthetic devices, manufactures precision working models in a stone-like material, and produces drill guides in durable plastic material. It works with any open STL-compatible intraoral, plaster or impression scanner.

HIGH CAPACITY

The ProJet MJP 3600 Dental is designed for 24/7 use, allowing laboratories to boast same-day cycle times, reduced lead times and diminished costs. The height of productivity, this printer can produce hundreds of units per cycle and up to 24 quad cases in a single build.

CLASS VI CAPABLE FOR HEALTHCARE APPLICATIONS

With biocompatible materials that have passed USP Class VI testing, you can print parts for medical devices and more.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® 860Pro

Professional 3D Printer

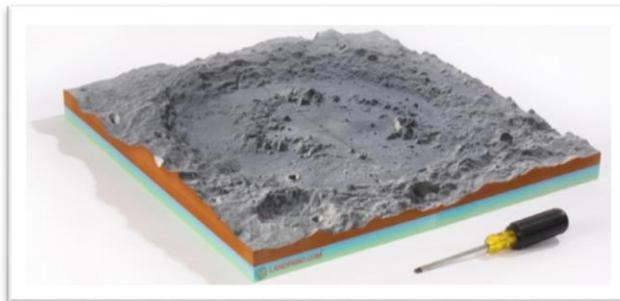


The ProJet 860Pro is our most productive professional 4-channel CMYK full-color 3D printer, featuring our largest build volume and highest resolution. This system is the answer to professionals who need to create more models and larger models at every stage of design and development. Ideal for large architectural models, industrial molds and castings, single-piece scale models and more.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet® 5600

Professional 3D Printer

Multi-material composite materials 3D printer

Large, high-quality multi-material parts in a single build.



3D Systems' ProJet® 5500X delivers the highest quality, most accurate and toughest multi-material composites based on 3D Systems' latest MultiJet Printing (MJP) technology. The ProJet 5500X simultaneously prints and fuses together flexible and rigid material composites layer by layer at the pixel level in a variety of colors and shades including opaque, clear, black or white and numerous shades of gray. 3D Systems' printed multi-material composites result in stunningly realistic, functional, large and small prototypes and products for a wide range of manufacturers, designers and engineers.

Additional options, materials and warranty are available and required to print prototypes

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ProJet[®] 6000 HD

Professional 3D Printer



The ProJet 6000 HD 3D printer offers fast and high quality SLA printing with exceptional ease-of-use. The ProJet 6000 HD offers three choices of print resolution, a choice of 6 VisiJet SL materials including the VisiJet SL Flex and Jewel, and an easy touch screen interface to control the printing operations. The ProJet 6000 range delivers up to 10 x 10 x 10 inch (250 x 250 x 250 mm) net build volume. With options for high-definition, ultra high-definition and extra high-definition printing resolutions, you are guaranteed to print nothing that's less than exceptional.

*Additional options, materials and warranty are available and required to print prototypes

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ProJet[®] 7000 HD

Professional 3D Printer



The ProJet 7000 HD crossover SLA printer provides better detail accuracy and resolution than any comparable technology, including the practical flexibility of three build modes and fine build layers. A wide range of VisiJet engineered materials enables the production of parts that respond to the performance you require.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 500

Production 3D Printer



The production ready 3D printer for tough plastic parts.

The ProX™ 500 Selective Laser Sintering (SLS®) production 3D printer delivers superior parts with greater precision, durability and quality in a compact production-grade system that is easy to own and economical to use. Designed for the manufacturing floor, the ProX 500 produces ready-to-use functional parts and complete assemblies for a variety of aerospace, automotive, patient specific medical devices, fashion accessories, and mobile device use cases. The compact ProX printer was developed in tandem with the revolutionary DuraForm® ProX material to produce smoother wall surfaces and injection molding-like part quality, with resolution and edge definition that surpasses existing alternatives. With over 80% material reusability, the integration of both new printer and material yields the most economical material utilization available. The ProX 500 is equipped with 3D Systems' latest print drivers, automated part nesting on the fly and optional, automated material handling module that streamlines production and recycling of materials for an optimal product every time.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 800

Production 3D Printer



The new state-of-the-art ProX™ 800 is the most advanced plastic part 3D printing technology for printing the highest precision, highest resolution, lowest cost and highest volume output across the widest range of addressable applications for prototyping, direct and indirect manufacturing.

The engineers at 3D Systems have implemented new laser print head and print material management systems to lower total cost of ownership for these workhorse printers. Through creative new architecture, the overall machine dimensions have been dramatically reduced, saving up to 50% floorspace without sacrificing print volume or maximum part size capabilities. Additional improvements boost printer utilization rates to new levels to maximize investment value.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 950

Production 3D Printer



Take on more projects faster with 3D Systems' ProX™ 950 Stereolithography (SLA®) Production Printer—the largest-format, highest-speed, greatest accuracy and greenest 3D printer available today, offering revolutionary new ways to quickly manufacture precise plastic parts and forgo the design limitations of CNC or injection molding. The ProX 950 is equipped with 3D Systems' newest PolyRay™ print head technology that can manufacture real parts at up to 10 times the speed of other 3D printers, drawing on the widest choice of proven high-performance engineered materials that are qualified for the most demanding aerospace, medical device and industrial use-cases.

The ProX 950 is flexible and versatile, and can produce precision parts with accuracy that rivals CNC machining, ranging in sizes smaller than the eye of a needle all the way to parts larger than a life-size tiger without compromising feature details or true-to-CAD accuracy.

*Additional options, materials and warranty are available and required to print prototypes

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sPro™ 140

Production 3D Printer



The sPro™ 140 SLS Production Printer produces durable, mid-range (22 in/550mm long) high-definition plastic parts, using the broadest range of available materials. With fully automated powder handling, recycling and material traceability, this manufacturing-ready system increases the output of your investment, ensuring maximum efficiency.

*Additional options, materials and warranty are available and required to print prototypes

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sPro™ 230

Production 3D Printer



The sPro 230 production printer uses a state-of-the-art digital imaging system to accurately build large (up to 30 in/750 mm long), durable plastic parts in high-definition. Profit from the fullest use of the broadest range of available materials with automated powder handling and material recycling and traceability.

*Additional options, materials and warranty are available and required to print prototypes

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sPro™ 60 HD

Production 3D Printer



The sPro 60 HD prints durable, high-definition plastic parts from the broadest range of available materials. This state-of-the-art system uses digital scans to masterfully and rapidly manufacture your design's specifications.

*Additional options, materials and warranty are available and required to print prototypes

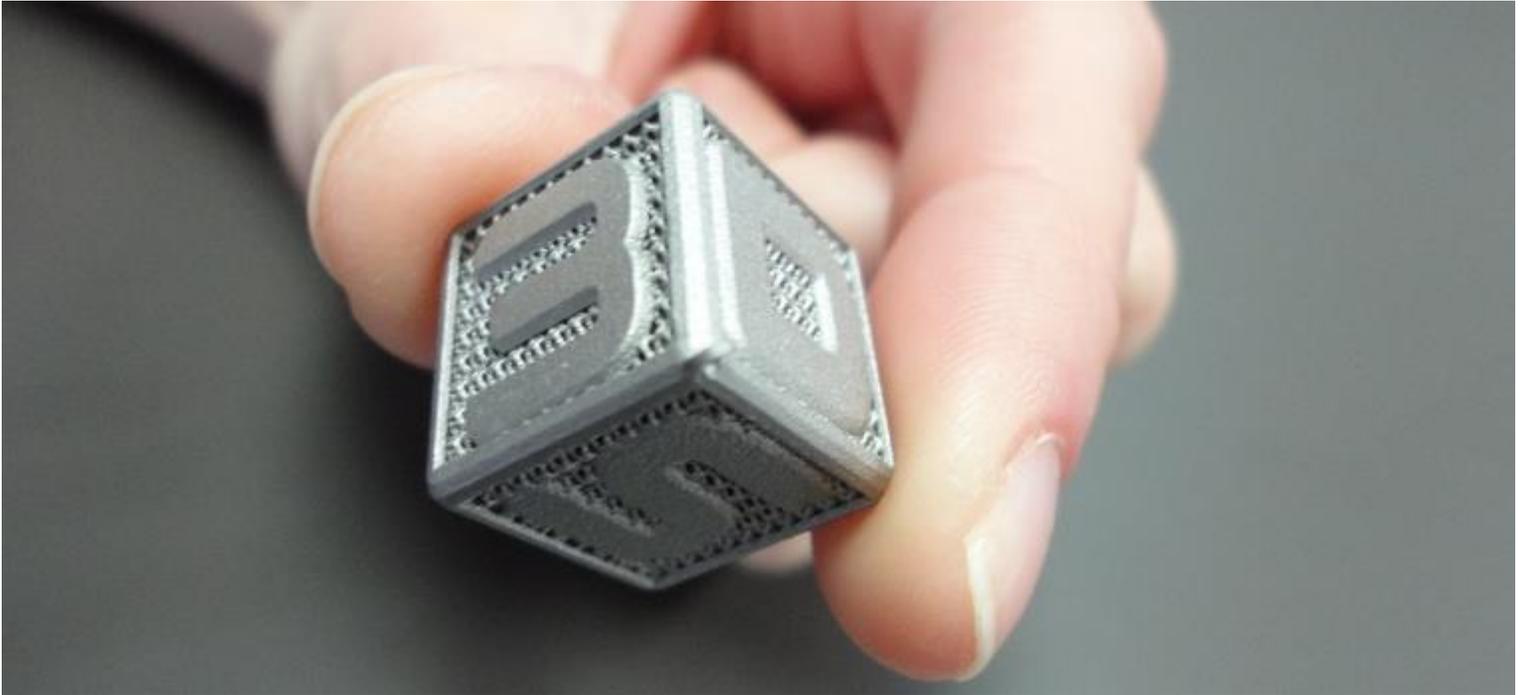
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ProX™ 100

Production 3D Printer



Manufacture small, complex metal parts in hours

The ProX™ range of Direct Metal Sintering (DMS) 3D printers builds on 3D Systems' stellar laser sintering capabilities by incorporating 10 years of research and development in metal 3D printing. The smallest of the ProX DMS line, the ProX 100 is designed as the starting point for people wishing to manufacture small, complex metal parts at high quality and speed using DMS. The ProX 100 features a build volume of 100mm x 100mm x 80mm along with manual material loading and an optional external recycling station. The system supports materials including Maraging 1.2709, Stainless 17-4PH, Ti6Al4V, AlSi12. The ProX 100 also includes 3D Systems' software tools, which are specifically designed to ensure successful direct metal or ceramic manufacturing processes.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 100 Dental

Production 3D Printer



Produce metal dental prostheses faster than ever

The ProX™ 100 Dental system enables you to use Direct Metal Printing (DMP) to produce high-quality, metal dental prostheses, which can be directly used by dental laboratories. Supporting certified Ni-free CoCr materials for dental use, the ProX 100 Dental system is a perfect starting point for clients wishing to quickly manufacture small, complex dental prostheses. To streamline your workflow, the ProX 100 Dental also includes a high-performance software solution for managing the manufacture of fixed and removable dental prostheses. This seamless, intuitive interface quickly guides you from dental file import to the creation of manufacturing files.

The ProX 100 Dental system is the smallest of the metal 3D printing systems, with a build volume of 100mm x 100mm x 80mm. It has manual loading of materials and an optional external recycling station, with materials that can be manipulated safely.

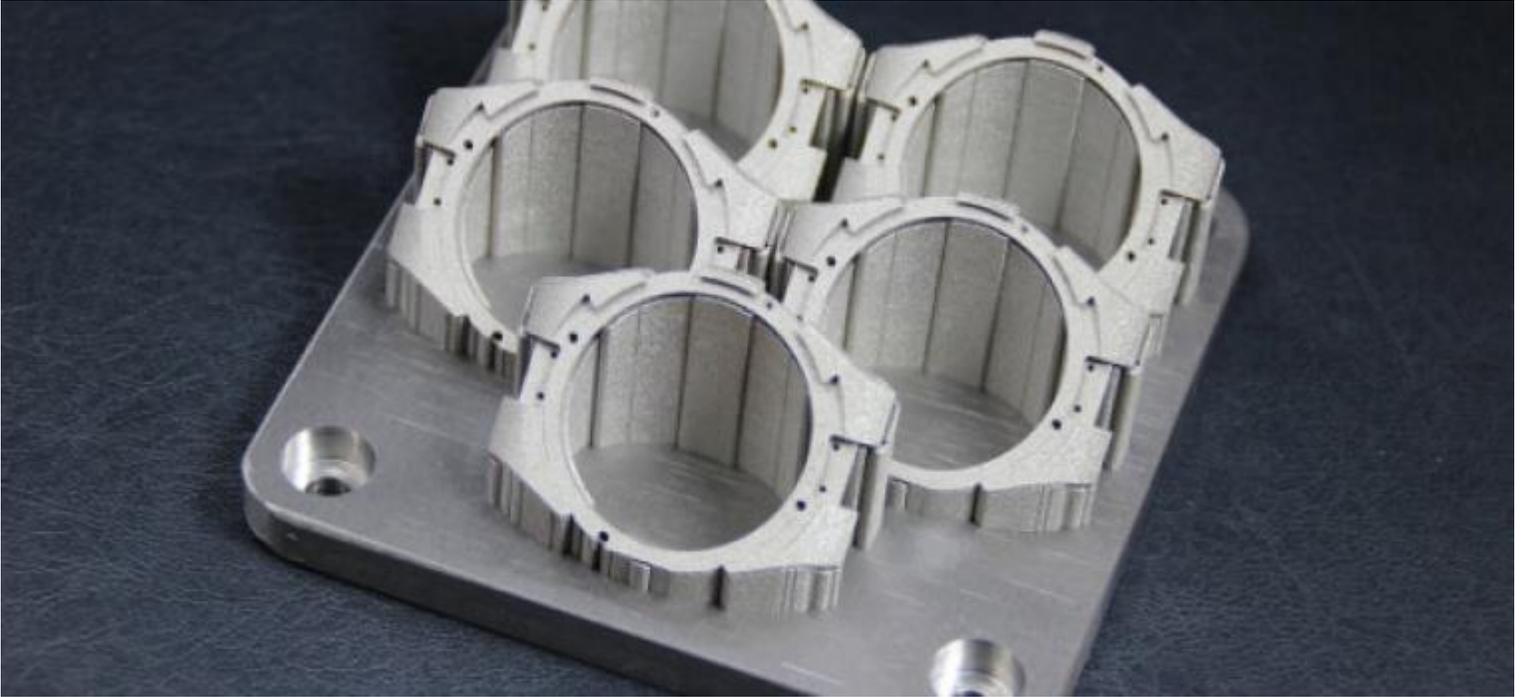
*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 200

Production 3D Printer



Medium-sized build volume in a powerful metal 3D printing package

The latest addition to the ProX™ range, the ProX 200 integrates a powerful laser adapted to an intermediary production volume for the streamlined manufacturing of precise, medium-sized metal parts. The ProX 200 is a high-performance, high-quality alternative to traditional manufacturing processes, offering reduced waste, greater speeds for production, short set up times, very dense metal parts, and the ability to produce very complex assemblies as a single part. In addition, the ProX 200 gets you to your part faster with seamless, intuitive 3D printing software.

The ProX 200 system offers a build volume of 140mm x 140mm x 100mm height. It features semi-automated material loading and an optional external recycling system, and supports materials, including Maraging 1.2709, Stainless 17-4PH, Ti6Al4V, AISi12.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 200 Dental

Production 3D Printer

The best system for larger volume print runs of metal dental parts



The ProX™ 200 Dental brings the power of laser sintering to the production of metal dental parts using Cobalt Chromium. This high-performance, high-quality alternative to traditional manufacturing processes offers reduced waste, greater speeds for production, short set-up times, very dense parts, and the ability to produce complex assemblies as a single parts. The ProX 200 Dental system is a large dental printer, offering a build volume of 140mm x 140mm x 100mm height. It features a semi-automated material loading and optional external recycling system, and supports certified Ni-free CoCr material for dental printing.

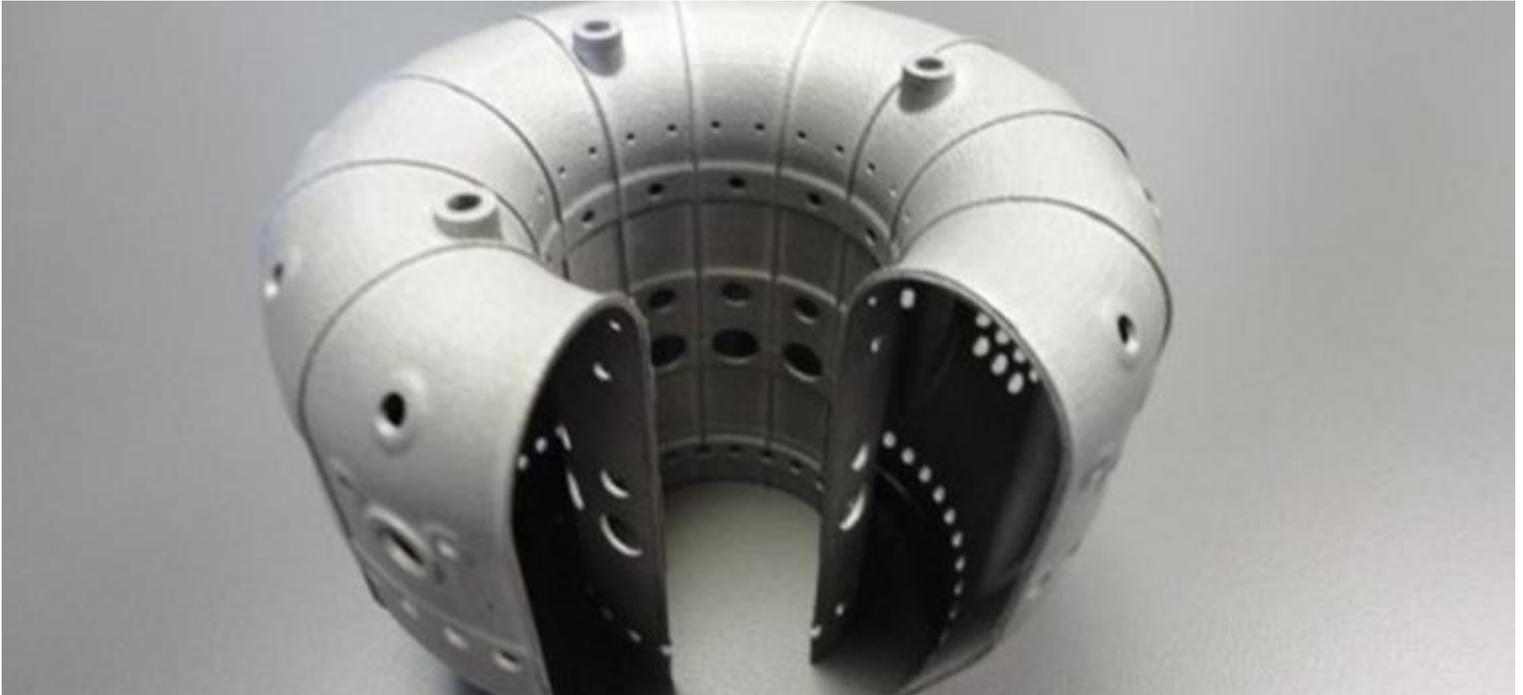
*Additional options, materials and warranty are available and required to print prototypes

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ProX™ 300

Production 3D Printer



Metal 3D printing for industrial applications

3D Systems brings its legendary reliability and repeatability to production-level Direct Metal Printing (DMP) with the ProX™ 300 3D printer. The ProX 300 3D printer makes additive manufacturing an industrial option for the production of metal parts. The ProX 300 is the largest in our DMP range, offering a build volume of 9.8 x 9.8 x 11.8 in (250 x 250 x 300 mm). It features an automated material loading and recycling system, and supports materials including Maraging 1.2709, Stainless 17-4PH, Ti6Al4V, AISi12.

The ProX 300 is a high-performance, high-quality alternative to traditional manufacturing processes, offering reduced waste, greater speeds for production, short set up times, very dense parts, and the ability to produce very complex assemblies as a single parts.

*Additional options, materials and warranty are available and required to print prototypes

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ProX™ DMP 320

Production 3D Printer



High precision, high throughput

The ProX DMP 320, developed from the outcome of nearly half-a-million prints, offers fast build turnaround times in demanding 24/7 production environments.

PRODUCTION READY

Designed for productivity with quick-swap build modules and fast powder recycling.

STRONGER MECHANICAL PROPERTIES

The lowest O₂ during builds (25 ppm) for exceptionally strong parts of high chemical purity.

LOW OPERATING COSTS

Efficient consumables management and shared ancillary equipment lower the total cost of ownership.

EXTENSIVELY TESTED MATERIALS

Thousands of hours of parameter optimization ensure predictable and repeatable print quality.

APPLICATIONS VERSATILITY

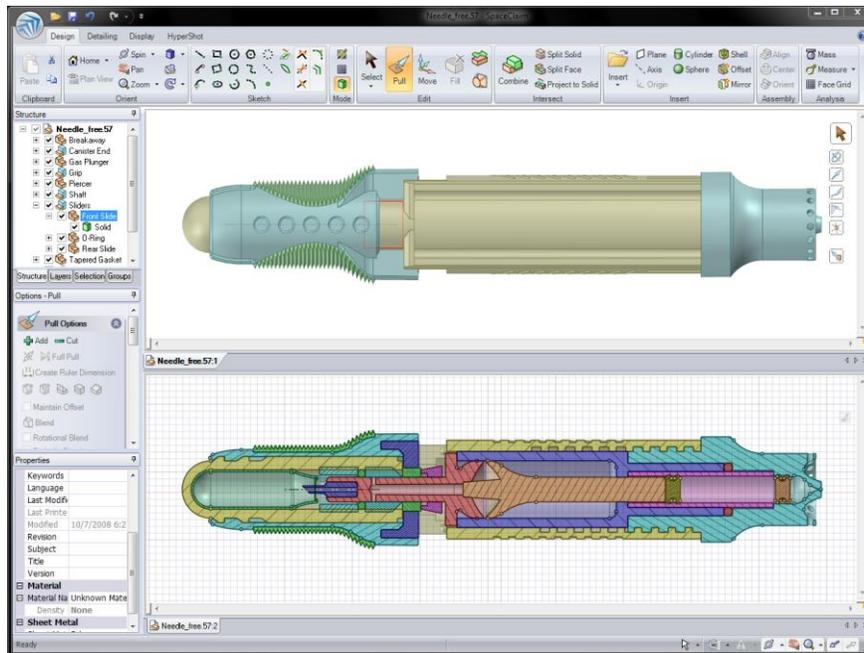
The ProX DMP 320's robust, streamlined print process means you can print virtually any geometry and avoid trial-and-error steps.

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ANSYS SpaceClaim

Direct Modeling Software



SpaceClaim solves geometry problems, fast.

Our goal at SpaceClaim is simple. We want every engineer to work in 3D without having to be a CAD expert. By using SpaceClaim 3D Direct Modeling, our customers are able to:

- Edit geometry, including large assemblies, fast without being a CAD expert
- Create new concepts and reuse CAD data, including large assemblies, an order of magnitude faster than before
- Prepare CAD models, even complex parts and assemblies, for simulation and double CAE productivity
- Let manufacturing teams focus on production rather than wrestling with CAD
- Repair dirty geometry with a push of a button, ensuring that downstream processes run smoothly

1st year of maintenance required for the first year. Additional data exchange packages available

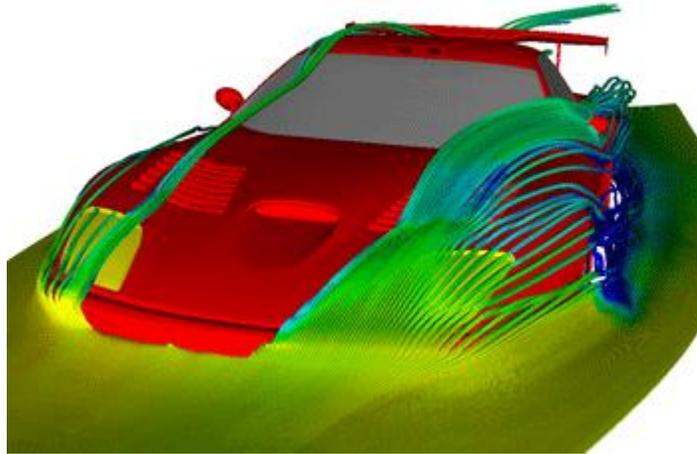
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Geomagic Solutions

THE ADVANCED TOOLBOX



Deliver precise digital data of physical objects for use in design, engineering and manufacturing. Geomagic scanning and 3D imaging software make the process of digitally representing the physical world fast, easy and accurate. Geomagic scanning and 3D imaging software products deliver speed and accuracy. Rapidly process 3D scans into polygon and surface models. Read the 3D data rapidly into native MCAD platforms or via neutral 3D formats. Deliver results quickly and build productivity into your design and engineering workflow

Geomagic Wrap - powerful 3D toolbox

Transform 3D scan data and imported files into 3D models for immediate use downstream. From engineering to entertainment, art to archeology and manufacturing to museums, people from every walk of life are effortlessly reverse engineering perfect 3D models from scan data and 3D files using Geomagic Wrap.

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Design X - Broaden Your Design Capabilities

Instead of starting from a blank screen, start from the real world. Geomagic Design X is the easiest way to create editable, feature-based CAD models from a 3D scanner and integrate them into your existing engineering design workflow.

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[Watch Video](#)

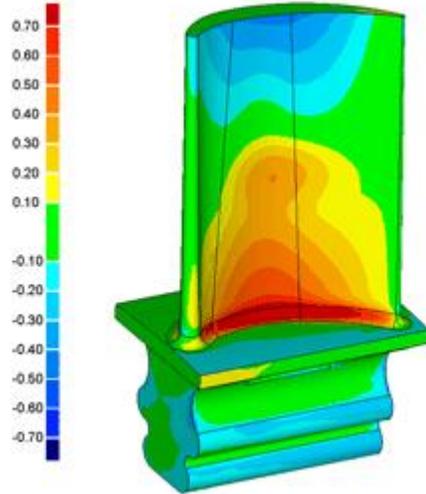
Additional options are available and maintenance may be required

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Geomagic Control X

3D Inspection Software



Take precise measurements of parts and accurately compare them to digital reference data. Geomagic 3D inspection and metrology software delivers the highest accuracy, top speed and instantaneous reporting on the quality of as-built parts for first-article and production inspection, and supplier management. Perform fast, accurate graphical comparisons between digital reference models. Instantly create 3D PDF reports of measurements, tolerances and deviations. Use 3D scan and 3D probe data to determine the quality of as-built parts. Automate processes through the integrated Python Scripting tools

Geomagic Control is a comprehensive inspection automation platform for streamlining in-line and repetitive inspection processes that use 3D scanners and other portable metrology devices. With this feature-rich software platform, you can easily program CAD comparisons, GD&T and go/no-go operations to be performed automatically on any type of part.

*Additional options are available and 1st year maintenance is required

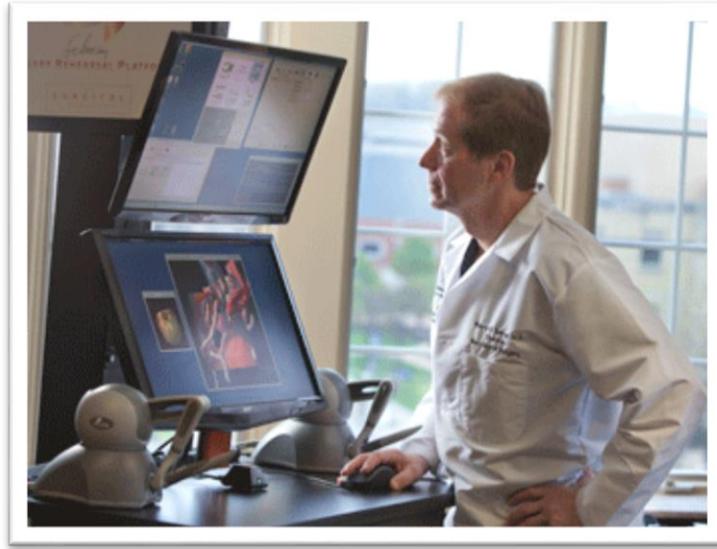
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Geomagic Freeform

Haptic Devices



Geomagic® haptic devices, from Geomagic, provide true three-dimensional input with force feedback, integrating a sense of touch into research and commercial applications as well as in the Geomagic® Freeform® and Geomagic® Claytools® 3D modeling systems. Geomagic haptic devices are used in a broad range of applications, as well as cutting-edge R&D projects, in which intuitive, realistic interaction with the digital world is desired. On several models, the device's end effectors can be customized to simulate a variety of tools. OEM applications include medical simulations and training exercises in which the stylus emulates the physical sensations – like probing, puncturing, drilling or cutting – of using a syringe, scalpel, arthroscope or another medical instrument.

The Geomagic Touch (formerly the Sensable Omni) model delivers a full haptic experience in a cost-effective package. Constructed of durable metal and injection-molded plastics, Geomagic Touch offers six-degree-of-freedom positional sensing. Additionally, Geomagic Touch allows a high degree of flexibility with a portable design, compact footprint, removable stylus and two integrated buttons.

The award-winning Geomagic Touch X (formerly the Sensable Phantom Desktop) haptic device is an affordable, sophisticated desktop solution that provides precision positioning input, high fidelity force-feedback output, stronger force reactions and lower friction. As with all of the Geomagic haptic devices, Geomagic Touch X is CE certified with a comfortable molded-rubber stylus for long-term use.

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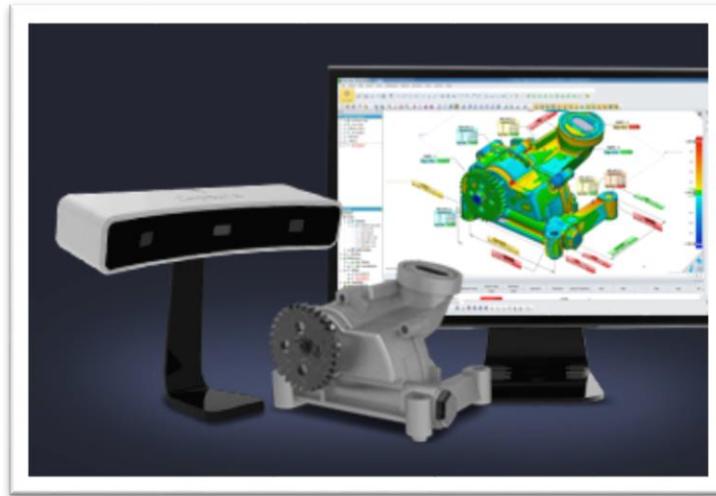
*Additional options are available and maintenance may be required

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Geomagic Capture & Capture Mini

LED SCANNER TECHNOLOGY



Geomagic Capture is a family of powerful, integrated scanner and software systems for professional Scan-Based Design and quality inspection. It is available in six application-specific configurations, combining the best of Geomagic software with a compact, ultra-precise blue light LED scanner. Geomagic Capture enables designers and engineers to incorporate real-world objects into CAD as a seamless part of their engineering workflow. Geomagic Capture for quality inspection delivers precision scanning integrated with Geomagic's high-quality inspection tools in a seamless, push-button manner. Geomagic Capture ushers in a new era of design-to-manufacturing productivity and utility.

*Additional options are available and 1st year maintenance is required

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Scanner Specifications			
	Scan Speed	0.3 seconds per scan	
	Field of View (diagonal) / Near End - Far End	172 - 260 mm	
	Field of View (X-Y) / Near End - Far End	124 x 120 mm - 192 x 175 mm	
	Clearance Distance	300 mm	
	Depth of Field	180 mm	
	Resolution	Average Points	985,000 per scan
		Average Polygons	1.97 million per scan
		Point to Point Distance	0.162 mm (At center of measurement volume)
	Accuracy / Near End - Far End	60 microns - 118 microns (µm)	
	Calibration	Pre-calibrated	

For more information please call 888-762-8441 or email info@slotech.com. Prices are subject to change.

3D Systems Material Selection Guide - Professional 3D Printers



Each of our professional 3D Printers is supported with an extensive portfolio of specially engineered materials to meet the widest range of applications in 3D printing. Our goal is to ensure the highest quality parts available and support for your most complex color and monochrome applications. Our VisiJet® materials solutions now include SLA® part performance for the toughest production applications. Explore below to learn more and select your accessories and materials.

ProJet CJP Material

VisiJet® PXL

Our premium composite for the ProJet x60 product line, VisiJet PXL delivers the best of everything: Toughest parts, Best resolution, Whitest whites, Excellent color accuracy and Low cost per printed part

VisiJet® C4 Spectrum™

The VisiJet C4 Spectrum is plastic material with excellent flexibility and strength for durable concept models, prototypes and more. It is used with the ProJet 4500 full-color plastic printer.

ProJet MJP 2500 Material

VisiJet® M2 EBK (Elastomeric Black)

The VisiJet M2 EBK is a newly developed flexible opaque black material that is excellent for printing soft, rubber-like parts such as gaskets, piping and more. This elastomeric material offers the best combination of pliability and strength, with amazing elongation and full elastic memory.

VisiJet® M2 ENT (Elastomeric Natural)

The VisiJet M2 ENT is a newly developed flexible translucent material that is excellent for printing soft, rubber-like parts such as gaskets, piping and more. This elastomeric material offers the best combination of pliability and strength, with amazing elongation and full elastic memory.

VisiJet® M2 RBK (Rigid Black)

This material yield durable plastic parts that look and feel like black injection molded plastic and allows for rigorous testing and use. The VisiJet M2 RBK is well suited for a variety of applications requiring snap fit and strength capability. It is durable and stable under varied conditions, making it ideal for functional testing and rapid tooling applications.

VisiJet® M2 RCL (Rigid Clear)

The VisiJet M2 RCL is translucent and makes beautiful transparent parts, especially after clear coating. This material yield durable polycarbonate-like parts and allows for rigorous testing and use. The VisiJet M2 RCL is well suited for a variety of applications requiring clarity, making it ideal for functional testing, as well as rapid tooling applications.

VisiJet® M2 RWT (Rigid White)

This material yields durable plastic parts that look and feel like white injection molded plastic and allows for rigorous testing and use. The VisiJet M2 RWT is well suited for a variety of applications requiring snap fit and strength capability. It is durable and stable under varied conditions, making it ideal for functional testing and rapid tooling applications.

VisiJet Armor (M2G-CL)

A tough, ABS-like clear performance plastic, VisiJet® Armor (M2G-CL) material for the ProJet MJP 2500 Plus exhibits an exceptional mix of tensile strength and flex. Versatile across a wide range of applications, VisiJet Armor delivers advanced prototyping performance to meet almost any engineering need.

ProJet MJP 3600 Material

VisiJet® Crystal

An engineered plastic performance for durability and stability ideal for functional testing and rapid tooling applications. This material also provides true plastic look and feel for a vast array of prototyping and end use applications. VisiJet Crystal is USP Class VI certified for approved medical applications.

VisiJet® SL HiTemp

High temperature resistance to 130°C+ (266°F+). High rigidity and translucent. Humidity and chemically resistant, long term stable properties. Ideal for under-the-hood component testing. Intake manifold, power steering reservoir and other elevated temperature applications

VisiJet® X

Look, feel and performance of injection molded ABS plastic. Ideal for prototyping and product mockups. End use applications requiring extreme toughness and high temperature resistance. Stunning white finish

VisiJet® Dentcast

VisiJet Dentcast Dental Wax-up Material is formulated specifically for production of dental prosthesis wax-ups used to produce high-quality, smooth surface crowns, copings and other related dental prosthesis and restorations. The material provides repeatable accuracy to ensure proper fit every time.

VisiJet® FTX Green

The VisiJet FTX Green was created especially for the ProJet® 1200. This plastic material is great for small plastic prototypes, and it burns out cleanly for ash-free castings.

VisiJet® Hi-Cast

VisiJet Hi-Cast Material provides extreme resolution performance for high-end lost-wax casting of fine-detail items such as jewelry and micro-medical and electrical devices. Used exclusively in the ProJet CPX 3500 3D printers, the Hi-Cast material sets the standard for feature definition, accuracy and precision.

VisiJet® M3 Black

Our most exciting VisiJet material for the MJP family of Professional Printers. VisiJet® M3 Black is a black, durable plastic that looks and feels like injection molded plastic and allows for more rigorous testing and use. The material is well suited for a variety of applications requiring snap fit and strength capability.

VisiJet® M5-Black

The new line of VisiJet® M5 plastic materials includes clear, high-elongation, durable plastics; high-strength PP-like black plastic; and stiff, brilliant white plastic. VisiJet M5 Black is a strong, flexible material that makes sleek black parts. VisiJet M5 Black can be used to make functional parts for extended use and testing. With the ProJet 5000's large build volume, large panels and housings can be printed with ease. The material's flexibility allows for easy assembly and snap-fit applications. Its black color makes it ideal for electronics, plastic automotive components, and chic black appliances.

VisiJet® M5-X

The new line of VisiJet® M5 plastic materials includes clear, high-elongation, durable plastics; high-strength PP-like black plastic; and stiff, brilliant white plastic. VisiJet M5-X is a strong, rigid material with a hybrid ABS/polypropylene-like performance-and-feel that makes brilliant white parts. This material makes bright white parts that look like they've been injection

For more information please call 888-762-8441 or email info@sldtech.com. Prices are subject to change.

molded. Parts made from this material are rigid, making it an excellent fit for packaging products including bottles, household plastics, piping, valves and other parts that call for stiffness.

VisiJet® MX

VisiJet MX Plastic Materials - offer engineered plastic performance for durability and stability ideal for functional testing and rapid tooling applications. These materials also provide true plastic look and feel for a vast array of prototyping and end use applications.

VisiJet® Navy

VisiJet Navy Plastic Material (blue color) provides an economical solution for general models. In addition, this material is commonly used for sacrificial patterns for numerous direct casting applications.

VisiJet® Pearlstone

VisiJet Pearlstone dental material prints dental models that are accurate, economical to produce and offer the appearance of dental stone. VisiJet PearlStone is compatible with all intraoral, impression and plaster scanners and prints models for crowns, bridges, orthodontic devices, implants and partial dentures.

VisiJet® Procast

VisiJet Procast Plastic Material provides the industry's best direct micro-casting performance for a variety of applications such as extremely small and delicate medical instruments, devices and other custom cast metal applications.

VisiJet® Proplast

VisiJet Proplast Plastic Material (white/natural color) provides an economical solution for general models. In addition, this material is commonly used for sacrificial patterns for numerous direct casting applications.

VisiJet® ProWax

VisiJet ProWax Material provides 100% RealWax patterns for lost-wax casting of mid-sized and large foundry applications across numerous industries and uses. RealWax patterns can replace traditional casting waxes in standard casting processes with no special modifications.

ProJet 6000/7000 SLA Material

VisiJet® SL Black

Black in color. Functional, snap-fit parts. Exceptional surface finish and high definition accuracy. Bold visual impact

VisiJet® SL Clear

Polycarbonate -like look and feel. Water-clear appearance. Stiff and durable. Ideal for "see-thru" applications. USP Class VI capable. Ideal for Quickcast® investment casting patterns

VisiJet® SL e-Stone

Extreme accuracy and repeatability. Mechanical properties optimized for dental models. Peach color provides high contrast for improved visualization. Replaces dental stone for Orthodontic working and study models. Ideal for crown and bridge restorations. Working models for partial frameworks

VisiJet® SL Flex

Polypropylene-like look and feel. High flexibility. Ideal for snap-fits. White opaque color

VisiJet® SL Impact

PP/ABS-like performance. White opaque color. Exceptionally tough and durable. Ideal for challenging functional assemblies and demanding applications. Small lot direct manufacturing applications

VisiJet® SL Jewel

Direct casting of jewelry patterns. High contrast blue color. Reduce cost and speed process with stone-in-place casting. Models requiring high detail. Excellent resolution and accuracy

VisiJet® SL Tough

ABS-like performance. High durability and impact strength. Ideal for form, fit and function testing. Master patterns for RTV/Silicone molding. Grey opaque color

VisiJet® Stoneplast

VisiJet Stoneplast Dental Model Material provides for low-cost, convenient production of dental models directly from digital data for dentists and dental labs looking to streamline workflow, reduce turn-around time and improve accuracy and quality.

For more information please call 888-762-8441 or email info@sldtech.com. Prices are subject to change.

VisiJet® Techplast

VisiJet Techplast Plastic Material (gray color) provides an economical solution for general models. In addition, this material is commonly used for sacrificial patterns for numerous direct casting applications.

ProJet 5600 Material

VisiJet® CR-WT Rigid White ABS-like Material

Extreme durability. High rigidity. High temperature resistance

VisiJet® CF-BK Black Rubber-like Material

Rubber-like look and feel. Extreme flexibility. Absorbs shocks and impacts to enhance durability

VisiJet® CR-CL Clear Polycarbonate-like Material

See-thru clarity. Simulates polycarbonate. Functional durability resists scratching

VisiJet® CE-NT Elastomeric Natural

The VisiJet CE-NT material delivers best in industry elastomeric material performance for functional prototyping to meet demanding engineering and design applications. Boasting tensile properties of up to 650% elongation and a Shore A value range of 30-90, these new elastomeric materials will revolutionize functional prototyping and product development.

VisiJet® CE-BK Elastomeric Black

The VisiJet CE-BK material delivers best in industry elastomeric material performance for functional prototyping to meet demanding engineering and design applications. Boasting tensile properties of up to 650% elongation and a Shore A value range of 30-90, these new elastomeric materials will revolutionize functional prototyping and product development.



3D Systems Material Selection Guide - Production 3D Printers



Parts made from Accura® SLA materials are the industry's "gold standard" for accuracy, providing excellent resolution, surface finish and dimensional tolerances. With our DuraForm® and CastForm™ SLS materials we also offer soft plastics, hard plastics and reinforced composites, in both transparent and opaque formulations. These versatile materials can mimic a wide array of engineering plastics and can easily be optimized for specific rapid prototyping and direct manufacturing applications. For an overview of the application strengths as well as a comparison of the specific properties of our broad Accura plastics and composites material spectrum check out the [Accura Stereolithography \(SLA\) material selection guide](#).

Stereolithography

Accura® 25

A soft, accurate material with the aesthetics of molded polypropylene (PP). Snap fit assemblies. Automotive styling parts and fascia. Master patterns for urethane casting. Parts normally machined from polypropylene (PP) or ABS

Accura® 48HTR

A temperature and moisture resistant plastic for demanding applications. Under the hood automotive parts. Intake manifold design analysis and verification. Transmission fluid flow analysis. Environmental control ducts. Aerospace wind tunnel models

Accura® 55

A rigid, accurate plastic with aesthetics of molded ABS. Automotive interior components. Electronic components. Master patterns for urethane casting. Parts normally machined from polypropylene (PP) or ABS

Accura® 60

A hard, clear plastic with the aesthetics of molded polycarbonate (PC). Tough functional prototypes. Transparent assemblies. Clear display models. Medical instruments, devices and labware. Lighting components (lenses etc.). Fluid flow and visualization models

Accura® ABS Black (SL 7820)

Accurate and durable black colored SLA resin. Users can build accurate, robust parts in black color without painting. Throughput is increased with minimal part finishing. Designed for use on solid state SLA® platforms to build automotive parts, consumer packaging, electronics housing, toys, etc.

Accura® ABS White (SL 7810)

Accurate and durable ABS-like SL resin. Users can build accurate and tough parts with an improved dimensional stability. Less part finishing time with ease of post-curing. High quality masters for vacuum casting parts. Designed for use on solid state SLA® platforms, RenShape® SL 7810 is suitable for master patterns, concept models, functional prototypes and general parts.

Accura® Amethyst

An accurate, high resolution master and expendable pattern material optimized for jewelry manufacturing. Patterns for use with low and high vulcanizing rubber molding. Expendable patterns for direct casting

Accura® Bluestone

A rigid, stable engineered Nano composite for high performance applications. Wind-tunnel test models for motorsports and aerospace. Fixtures, jigs and tools. Lighting components. Water-handling products, such as impellers. "Under-the-hood" automotive parts. Business machines housings and enclosures that require high stiffness. Electrical connectors, adaptor fittings, bases and sockets.

Accura® CastPro

An accurate expendable pattern material formulated to produce high quality investment castings using our QuickCast™ technology. Prototype metal parts. Low to medium production runs without tooling. Titanium castings. Aluminum, magnesium and zinc castings. Ferrous castings.

Accura® CastPro Free (SL7800)

Accurate and durable general purpose SL resin. Users can build accurate and tough parts that retain dimensions and impact resistance over time without switching vat for different applications. Less part finishing time with ease of post-curing. Higher quality casting masters for the investment casting parts. Designed for use on solid state SLA® platforms, RenShape® SLA® 7800 is suitable for master patterns, concept models, functional prototypes and general parts.

Accura® CeraMAX™ Composite

A rigid ceramic-reinforced composite with excellent thermal, moisture and abrasion resistance. Heat and wear resistant components. Composite-like prototypes and assemblies. Ceramic-like components. Fixtures, jigs and tools.

Accura® ClearVue

A plastic that simulates the properties and appearance of Polycarbonate and ABS. General purpose prototyping. Models requiring high clarity for headlamps and lenses, fluid flow and visualization models, transparent assemblies, snap fits and complex assemblies and medical models and medical devices. The highest clarity and transparency. Durable and strong. Humidity and moisture stable. USP class VI capable.

Accura® ClearVue Free

Tough, durable and ultra-clear SLA resin. Supplies clear, components with outstanding clarity and excellent accuracy. Less part finishing time with ease of post curing. Higher quality casting masters for the investment casting parts. Accura ClearVue Free is a clear, low viscosity stereolithography resin with excellent accuracy. It offers a large working envelope of physical properties, as well as a unique combination of high elongation and impact strength which allows the building of durable parts.

Accura® e-Stone

An accurate, durable dental model material with the appearance of traditional dental stone. Digital dental model manufacturing. Crown and bridge study and work models. Orthodontic study and work models.

Accura® Peak

A hard, accurate plastic with excellent moisture and temperature stability. Water and fluid handling components. Wind tunnel models. Master patterns. Fixtures, gages and jigs.

Accura® Sapphire

A new print material for jewelry design and high-volume production. Jewelry manufacturing. Direct casting. Master pattern production. Models requiring high detail. Fine features are faithfully reproduced. Easy feature visualization. Material can be burned out for direct casting

Accura® SL 7840

The SL resin you envision: white, accurate, durable and PP-like. Users can build accurate, robust parts in PP-like pearl white color. Throughput is increased with minimal part finishing. Because the liquid resin is colorless clear and the cured resin becomes pearl white in its appearance, the parts are distinctly recognizable during the build. Designed for use on solid state SLA® platforms, it offers a large working envelope of building concept models and functional prototypes where snap-fit property is required.

Accura® Xtreme

A tough, temperature resistant plastic with the aesthetics of molded polypropylene (PP) or ABS. Snap fit assemblies. Enclosures for consumer and electronic products. Parts normally machined from polypropylene (PP) or ABS

Accura® Xtreme™ White 200

Ultra tough white plastic to replace CNC Machined polypropylene and ABS articles. Exceptionally tough and durable. Resists breakage and handles challenging functional assemblies. Great for snap fits, assemblies and demanding applications. Ideal for master patterns for vacuum casting.

Laser Sintering SLS

CastForm™ PS

A styrene-based, expendable pattern casting material, compatible with most standard foundry processes. Prototype metal castings. Low to medium production runs without tooling. Plaster castings. Titanium castings. Aluminum, magnesium and zinc castings. Ferrous castings

DuraForm® EX Black

A black-color, impact-resistant engineering plastic with the toughness of injection-molded polypropylene (PP) and ABS. Prototypes that require the toughness and durability of molded polypropylene (PP) or ABS. Low to mid volume direct manufacturing of end-use parts. Complex, thin-walled ducts. Aircraft and motorsports parts. Enclosures and housings. Parts with snap-fits and living hinges. Automotive dashboards, grilles and bumpers.

DuraForm® EX Natural

A natural-color, impact-resistant engineering plastic with the toughness of injection-molded polypropylene (PP) and ABS. Prototypes that require the toughness and durability of molded polypropylene (PP) or ABS. Low to mid volume direct manufacturing of end-use parts. Complex, thin-walled ducts. Aircraft and motorsports parts. Enclosures and housings. Parts with snap-fits and living hinges. Automotive dashboards, grilles and bumpers

DuraForm® Flex

A durable, rubber-like material with good tear resistance and burst strength. Durable prototypes that require rubber-like properties. Low to mid volume direct manufacturing of end-use parts. Gaskets, hoses and seals. Athletic footwear and equipment. "Soft-touch," over molded grips.

DuraForm® FR 100

A halogen and antimony-free, flame retardant engineering plastic, suitable for Rapid Manufacturing of aerospace parts and parts requiring UL 94 V-0 compliance. Aircraft parts with FAR 25.853 (non-drip) and low smoke density and toxicity requirements. Aircraft cabin, compartment & cargo parts. Consumer products with UL94 V-0 requirements. Enclosures and parts for computers, business equipment and appliances

DuraForm® GF

A glass-filled engineering plastic with good stiffness, elevated temperature resistance, and isotropic properties. Durable prototypes that require elevated stiffness and heat resistance. Low to mid volume direct manufacturing of end-use parts. Enclosures and housings that require more stiffness. Aircraft and motorsports parts. Sporting goods.

DuraForm® HST Composite

A fiber-reinforced engineering plastic with excellent stiffness, strength and temperature resistance. Durable prototypes that require high stiffness and heat resistance. Low to mid volume direct manufacturing of end-use parts. Enclosures and housings that require more stiffness. Aircraft and motorsports parts. Sporting goods.

DuraForm® PA

A durable engineering plastic with balanced mechanical properties and fine-feature surface resolution. Prototypes that require good durability and strength. Low to mid volume direct manufacturing of end-use parts. Medical parts that require USP Class VI compliance or must be sterilized. Complex, thin-walled ducts. Aircraft and motorsports parts. Enclosures and housings. Parts with snap-fits and living hinges. Automotive dashboards, grilles and bumpers.

DuraForm® ProX™

DuraForm® ProX™ is an extra-strong engineered production plastic. When it comes to producing durable functional prototypes with superior mechanical properties, DuraForm ProX is the top choice. The DuraForm® ProX material was developed in tandem with the revolutionary new compact ProX 500 printer material to produce smoother wall surfaces and injection molding-like part quality, with resolution and edge definition that surpasses existing alternatives.

Direct Metal Materials

ProX Metal Series Material

Maraging Steel

Known for possessing superior strength and toughness without losing malleability

CoCr Alloy

Cobalt-chrome has a very high specific strength and is commonly used in gas turbines, dental implants, and orthopedic implants.

Stainless Steel 17-4

Steel Alloy. Does not readily corrode, rust or stain.

Aluminum

Silvery white, soft, ductile metal.

Titanium Alloy

Very high tensile strength and toughness

Titanium Alloy Medical Grade

Medical grade titanium alloy with high strength and usability.

ProX DMP 320 Material

LaserForm™ Ni718

LaserForm™ Ni718 is oxidation and corrosion-resistant material well suited for service in extreme environments subjected to pressure and heat. When heated, it forms a thick, stable, passivating oxide layer protecting the surface from further attack. It retains strength over a wide temperature range, attractive for high temperature applications where aluminum and steel would succumb to creep as a result of thermally induced crystal vacancies. In addition, LaserForm™ Ni718 features a gamma double prime strengthened with good weldability. Typical applications are components for liquid fueled rockets, rings, casings and various formed sheet metal parts for aircraft and land-based gas turbine engines, and cryogenic tankage. It is also used for fasteners and instrumentation parts.

LaserForm™ Stainless 316L

Austenitic stainless steel type 316L is the extra low carbon grade of 316, generally used because the parts can be machined, spark-eroded, welded, shot-peened, polished and coated if required. Typical applications include engineering for functional prototypes and small to medium series, parts requiring high corrosion resistance and sterilisability, pharmaceutical, food, chemical and process industry parts, and medical tools.

LaserForm™ Ti Gr. 1

Titanium grade 1 is the purest Ti grade which is known for its' excellent biocompatibility and low stiffness. Therefore, it is perfectly suited for medical applications and implants. Featuring light weight with extreme temperature and corrosion resistance, and high ductility also make it ideal for motorsports, marine, premium sporting goods, aerospace and aviation applications.

LaserForm™ Ti Gr. 23

For more information please call 888-762-8441 or email info@sldtech.com. Prices are subject to change.

This titanium alloy is a commonly used alloy in technical and medical applications because of its high strength, low weight and its excellent biocompatibility. The essential difference between Ti6Al4V ELI (grade 23) and Ti6Al4V (grade 5) is the allowed higher oxygen and iron content in grade 5. This confers improved strength. Typical applications are light-weight & high-strength, medical implants, medical tools and devices and dental prostheses.

LaserForm™ Ti Gr. 5

This titanium alloy is a commonly used alloy in technical and medical applications because of its high strength, low weight and its excellent biocompatibility. The essential difference between Ti6Al4V ELI (grade 23) and Ti6Al4V (grade 5) is the allowed higher oxygen and iron content in grade 5. This confers improved strength. Typical applications are light-weight & high-strength, medical implants, medical tools and devices and dental prostheses.





About Solid Technologies, Inc.

Solid Tech provides advance engineering solutions tailored for the educational, mechanical design, manufacturing and architectural industry. Our strength is in developing strong relationships and communications with our customers, which allows them to choose the right business partner they need to implement profitable, productive corporate-wide solutions.

Our Advantages:

- Expert 3D Printing Knowledge Base since 1999
- Professional and Production 3D Printers
- Direct Metal Printing
- Full Lineup of 3DS Scanners and Software
- Engineers on Site Using Multiple 3D Modeling Software Packages
- Advanced Certified 3D Systems Technicians
- Service Provider for the Mid-Atlantic United States.
- 3D Printing Service Bureau with a Full Range of Material Options
- 3D Product Demonstrations Available by Appointment
- 3D Printed Parts Available for Evaluation
- 3DS Authorized Sales and Service Partner

STI Sales and Service Center

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