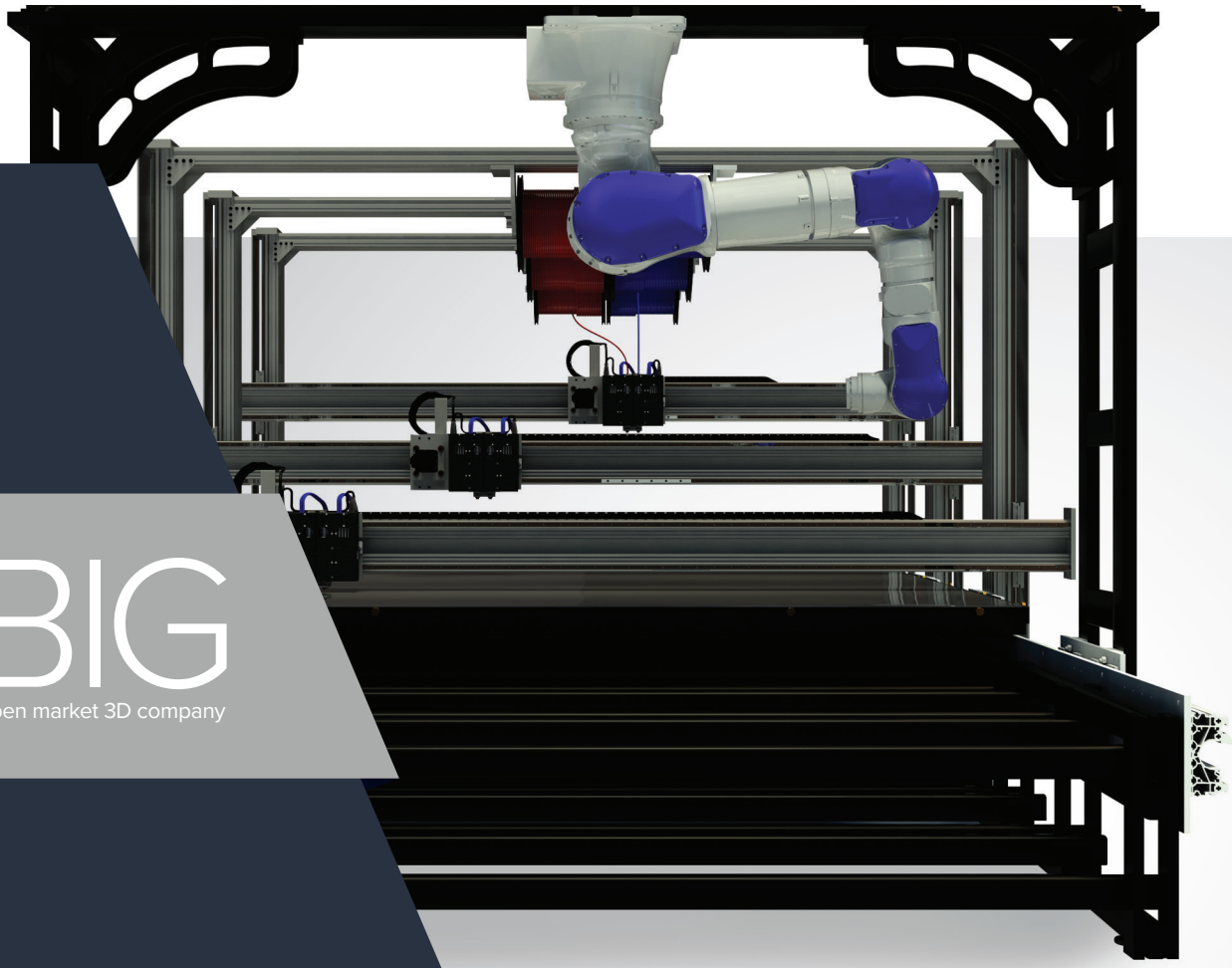
EXCELSERIES

Additive And Subtractive Manufacturing Center



THINK
PRINT
SAVE | BIG

The **most trusted** open market 3D company

- Parallel Gantries Support Multiple Simultaneous Processes: **Additive, Subtractive and Robotics**
- Starts at 1.2 m x 1.2 m x 2.4 m and can **Scale as Large as You Need**
- **Spool and Pellet Fed Extruders** Allow for Throughput Rates from 1 kg/hr to More than 50 kg/hr per Gantry
- **Fortune 100** Brands Trust 3DP

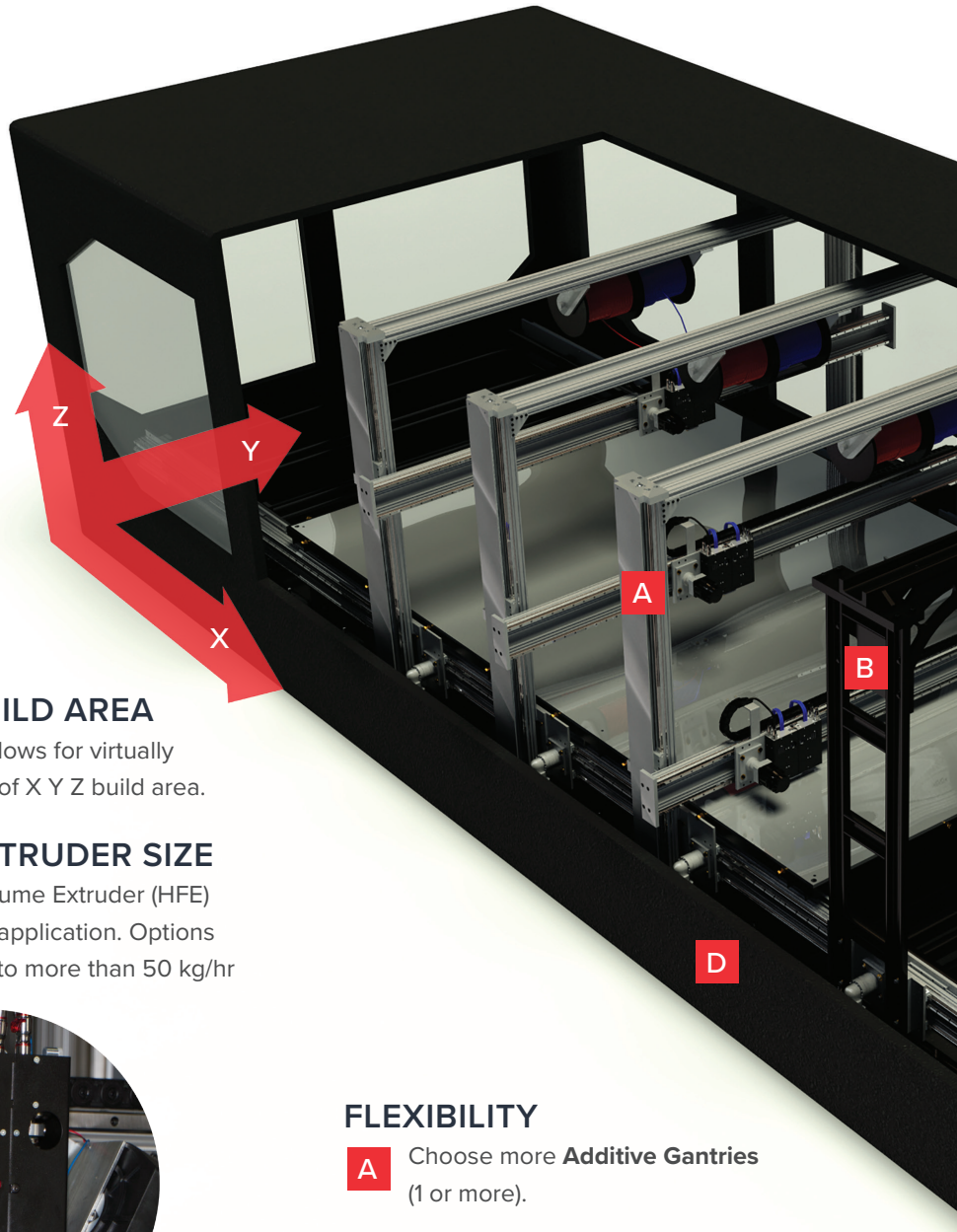
3DP
3D PLATFORM

THINK
PRINT
SAVE
BIG

The **most trusted** open market 3D company

THE MOST TRUSTED OPEN MARKET 3D PRINTER COMPANY

When top industry leaders are looking to stay competitive in a demanding market, 3D Platform is who they call. We are **trusted by Fortune 100 companies** to deliver solutions that meet the unique design needs of highly innovative ideas. Recognized worldwide, our global distribution network supported by Certified Service Providers has helped us deploy more large-format, open market 3D printers than anyone else. **That's Big.**



SCALABLE BUILD AREA

Parametric Design allows for virtually unlimited expansion of X Y Z build area.

SCALABLE EXTRUDER SIZE

Choose the High-Volume Extruder (HFE) system that fits your application. Options range from 1.5 kg/hr to more than 50 kg/hr per gantry.

FLEXIBILITY

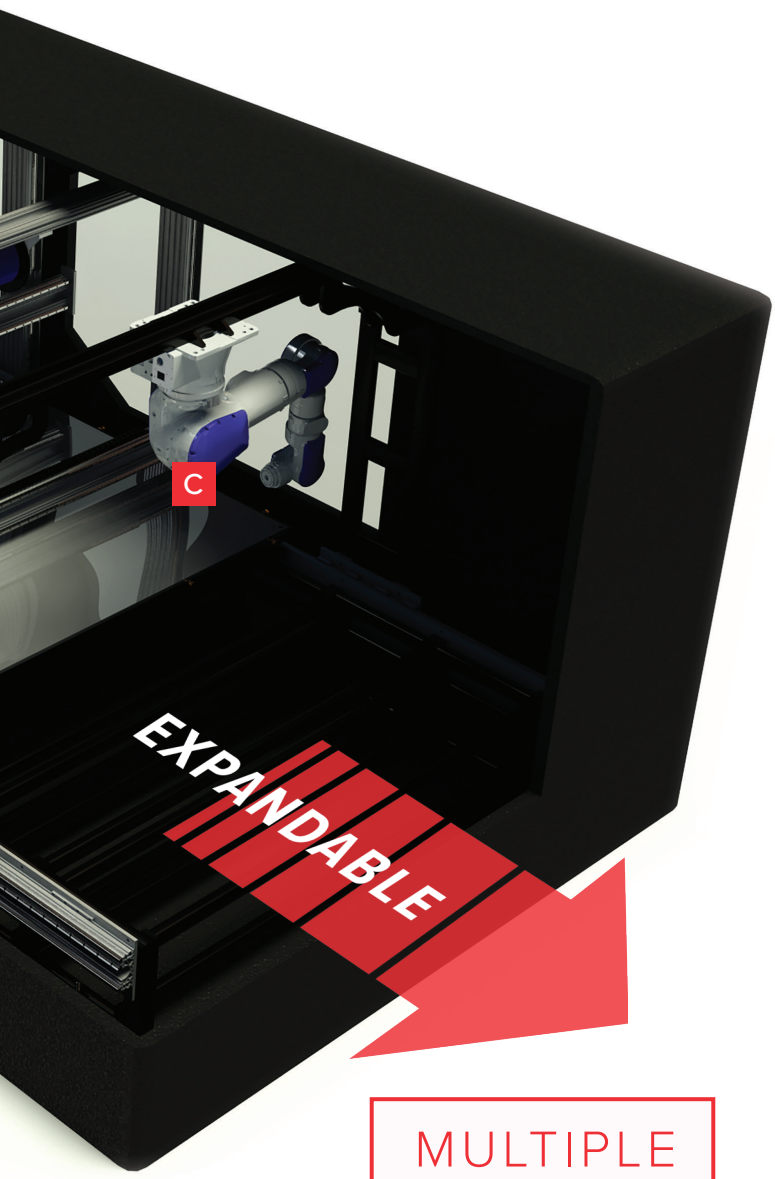
- A — Choose more **Additive Gantries** (1 or more).
- B — Choose **Subtractive Gantries** (1 or more).
- C — Choose a **Robot** and its tool.
- D — Upgrade to an **Enclosure**. Choose a Heater. Choose a Filter.

EXCELSERIES

A Quantum Leap In Additive And Subtractive Manufacturing.

Breaking Through Barriers of Size and Throughput

We design products that push the limits of innovation. Our focus on size, speed, flexibility and durability is meant to help expand your business capabilities to new levels. Why choose 3D Platform? Because your **BIGGEST** ideas should become a reality.



MULTIPLE PATENTS PENDING

SCALABILITY AND THROUGHPUT

- Fused Filament Fabrication (FFF) type 3D printer starts with a **1.2 m x 1.2 m x 2.4 m (4 ft x 4 ft x 8 ft)** build area with an array of high-volume extruder systems that realize **material throughput capacity from 1.5 kg/hr to more than 50 kg/hr *per gantry***. Eliminates the need to scale down or print multiple parts that require assembly. Cuts market entry time with rapid design iteration.
- Parallel Gantries offer a combination of **additive, subtractive, and robotic configurations** delivering individual or simultaneous multi-process machining.
- **Build area** can be **extended to virtually any size** offering large format like never before.

OPEN MARKET SOLUTION

- Leverage the power and resources of thousands of worldwide organizations to bring your solutions to life quickly and more affordably**.**
- No proprietary solutions. No closed eco-systems that limit additive manufacturing capabilities.

AFFORDABILITY

- The Excel Series was designed from the ground up to be the most cost effective, reliable and scalable Additive & Subtractive Manufacturing Center.
- Capitalize on the cost-effective open-market advantage, affordable purchase price and low operating costs.
- Up to **90% savings** using open market materials and software.

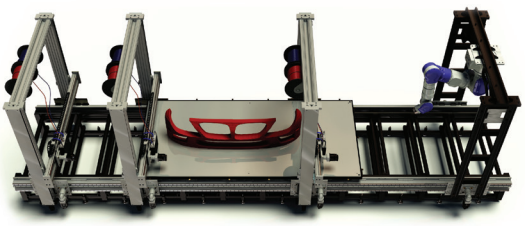
ROBUST

- **Industrial strength design and robotics technology** deliver **superior performance** and reliability.
- **World-class partnerships:** PBC Linear, Xtrution, THK, Yaskawa and Shimpo – best in class components help ensure a long, reliable life.

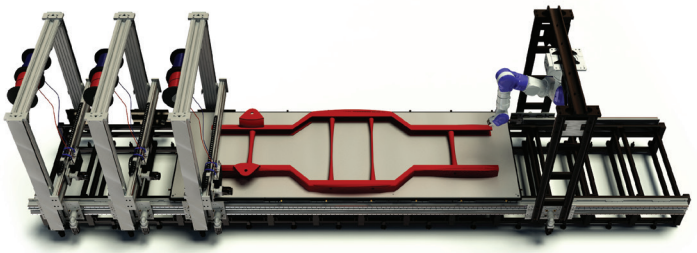
A Wide Range of **Applications**

We help you design without limitations. Our solutions provide customized, full-scale printing capabilities for companies looking to lead – not follow – accelerating the time from ideation to application at an affordable price.

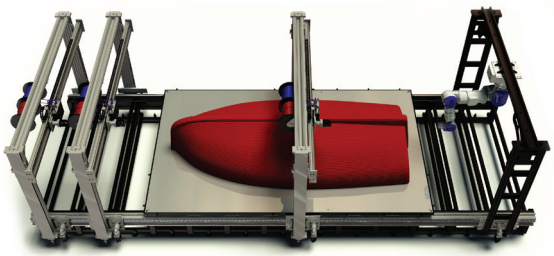
3D Platform's Excel Series is the **only** extra-large format additive machine that has been engineered from the ground-up for the additive industry. The unique, parametric design can be easily adjusted to match the needs of **your** business.



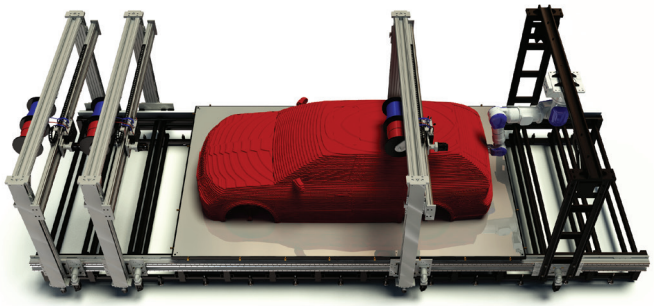
CAR BUMPER | 100 Series
4' x 8' x 4' Tall (1.2 m x 2.4 m x 1.2 m Tall)



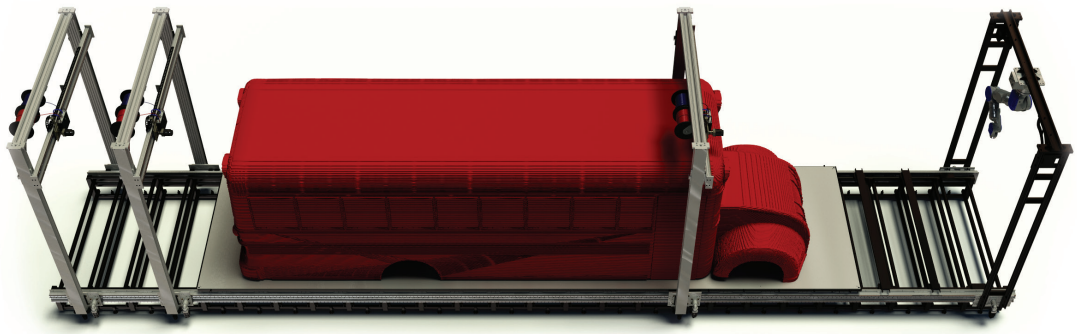
CAR FRAME | 200 Series
4' x 12' x 4' Tall (1.2 m x 3.6 m x 1.2 m Tall)



BOAT HULL | 300 Series
10' x 12' x 4' Tall (3 m x 3.6 m x 1.2 m Tall)



SUV | 300 Series
10' x 12' x 6' Tall (3 m x 3.6 m x 1.8 m Tall)



SCHOOL BUS | Custom Series
10' x 52' x 12' Tall (3 m x 15.8 m x 3.6 m Tall)

TURBINE BLADE (OR LAYUP TOOL) | Custom Series
17' x 124' x 12' Tall (5 m x 37.8 m x 3.6 m Tall)

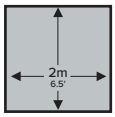
Extruder Production Rates

Choose the high-volume extruder system that fits your application. Options range from 1.5 kg/hr to more than 50 kg/hr per gantry.

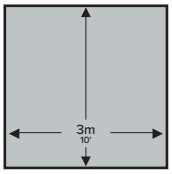
EXCEL SERIES SIZES

Y Z Dimensions

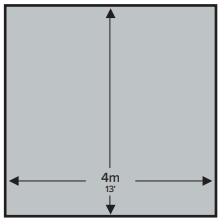
100 Series



200 Series



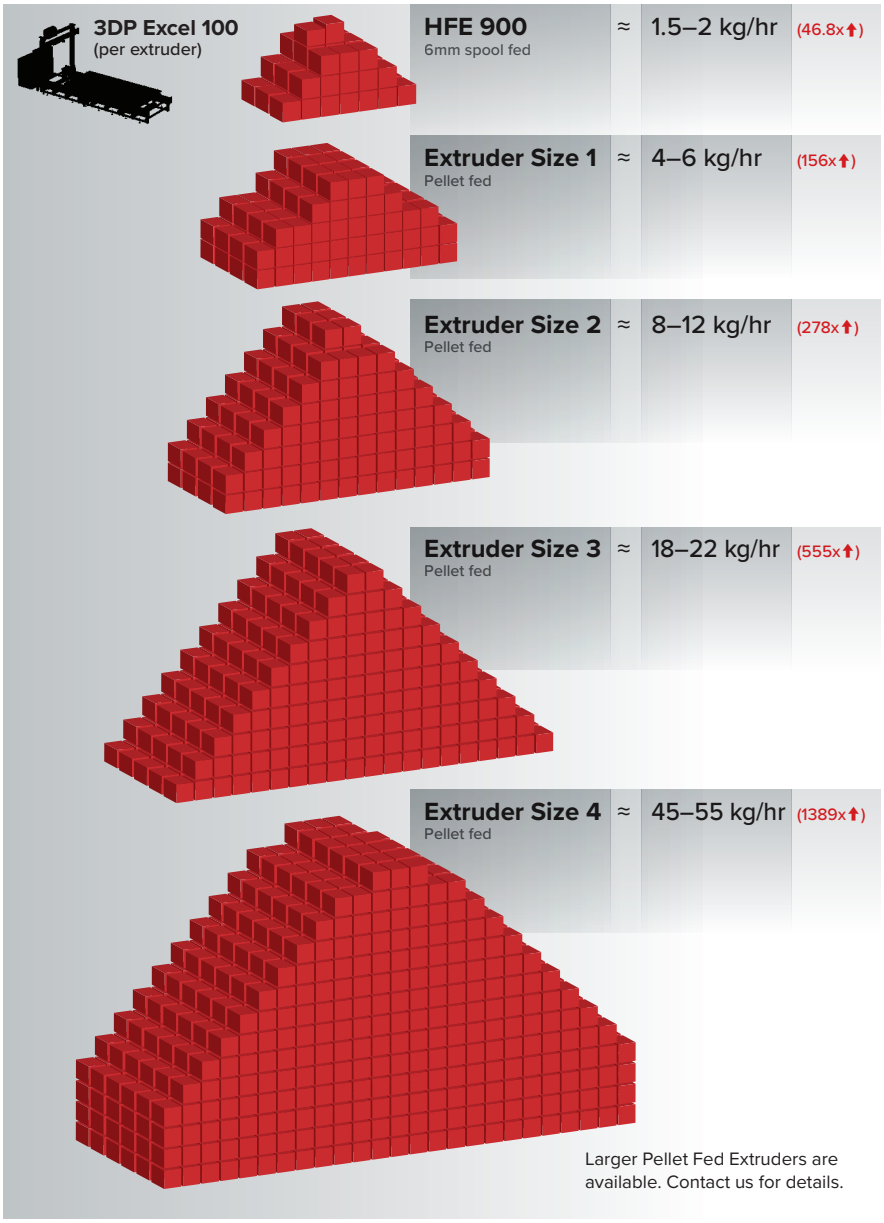
300 Series



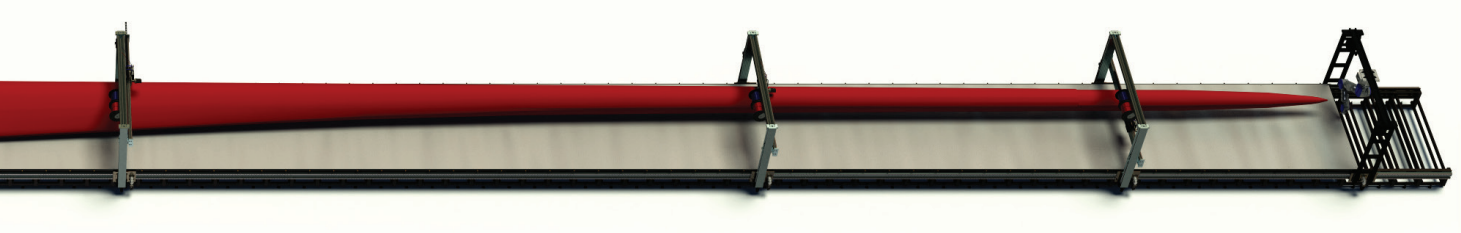
400 Series

Custom Series

Talk to us about custom needs



Rates shown are approximate and based on maximum output of the extruder. Actual production rate per hour may vary.



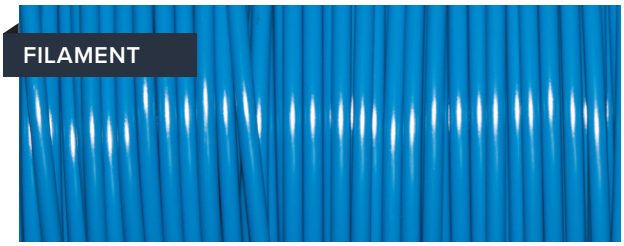
More Choices. More Savings. **Our Open-Market Advantage.**

When it comes to maximizing innovation and value for our customers, our Open-Market Advantage gives you the ability to choose from a wide variety of open market **filament / pellets** and **software** that can deliver up to a **90% savings** on your investment.

Filament / Pellets

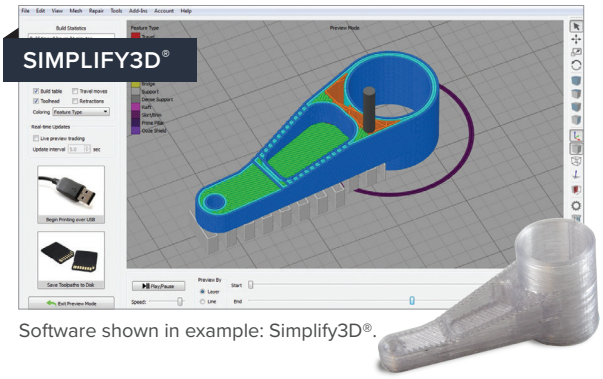
Ongoing material science advancements provide a pipeline to rapid innovations in 3D printing, bringing your ideas from concept to reality faster, and more accurate than ever before. With diverse open market material selections, we enable printing capabilities when unique physical properties are desired.

- Bronze, wood, carbon fiber and other fills
- Rigid properties
- Conductive properties
- Soluble
- PolyCast
- Flexible, pliable and rubber-like properties
- FDA compliant properties
- ...and more



Software

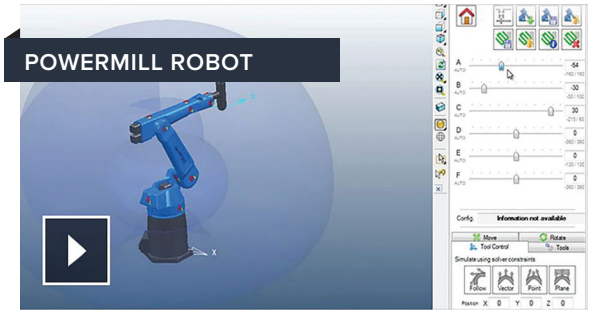
You deserve options. Our Open-Market Advantage allows you to use the software you are already familiar with or to “right size” the software package that best meets your business needs and your budget.



Software shown in example: Simplify3D®.

- Detailed print previews
- Advanced print algorithms
- Core Modeling
- High speed, high quality prints

Simplify3D is available for purchase at simplify3d.com



Software shown in example: Autodesk® PowerMill Robot.

- Conceptualize robotic processes and avoid costly mistakes and manufacturing bottlenecks
- Contains powerful 5-axis technologies to help you achieve superior finish and significantly reduce programming times

Available for purchase at autodesk.com

Local Support **Globally**

At 3D Platform, we bring our highly personalized customer service and support to your doorstep no matter where you are worldwide. **We are committed to our customers' success**, and will be there for support as you grow your businesses. From initial installation and training, to field support, troubleshooting and much more, 3D Platform serves as an extension of your team to ensure your operations are always up and running. **Because your success is our success.**

INSTALLATION & SETUP

We go to great lengths – and to your place of business – to get you up and running:

- Machine functionality verified on site to ensure confidence in printer performance.
- 3D printer fully calibrated, saving you time. A trained technician performs the fine-tuning resulting in a printer that is functional at the beginning of your first print.
- Basic machine and software functionality covered to help ensure you are knowledgeable, comfortable and confident in basic machine functionality and software.

TRAINING

We will ensure your team is up to speed – quickly – setting you up for success from your first print. Our courses cover the fundamentals on how 3D printing works and how you can take your BIG design ideas to the next level.

- Learn advanced printer functionality to help further your knowledge of your 3D Platform printer.
- Review advanced slicing functions which emphasizes important techniques that can differentiate your product.
- Discover basic machine and software functionality to help you troubleshoot potential issues.

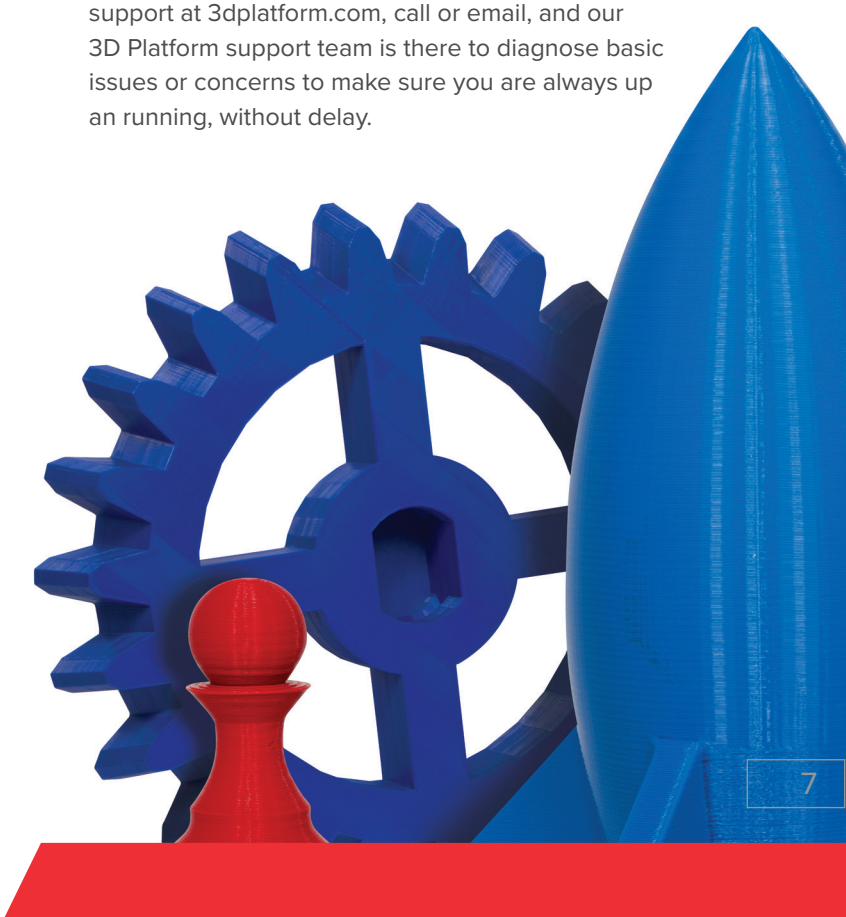
Training packages available for all experience levels, including packages for companies that are new to 3D printing or large format printing.

GLOBAL DISTRIBUTION NETWORK

We deliver 3D printing solutions to you no matter where you are. Through our Global Distribution Network, we are able to deliver products and parts to your facility without delay or additional costs.

GLOBAL CERTIFIED SERVICE PROVIDERS

We understand that any delay in production can have a negative impact on your revenue and business. Through our network of Global Certified Service Providers, you can have confidence that your machine is repaired correctly the first time and recalibrated back to factory settings. Use our online support at 3dplatform.com, call or email, and our 3D Platform support team is there to diagnose basic issues or concerns to make sure you are always up an running, without delay.



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