RAISE3D

multistation

Raise3D T Series

Large Prints · Fast · Reliable · Affordable

Up to 600 mm/s | Up to 5 kg/ 21 h



T450
450 × 350 × 400 mm

T700
700 × 500 × 1,000 mm

T700

Build Volume (W × D × H): **700 × 500 × 1,000 mm**

Expand Manufacturing Capabilities Beyond CNC and Injection Molding

- 350 L extra-large build volume: Enables the printing of large, single-piece components.
- No mold required, on-demand production: ideal for large plastic parts.





Automotive Rear Bumper Prototype
Unitycoon Enterprises



Cell Transport Pallet
CATL

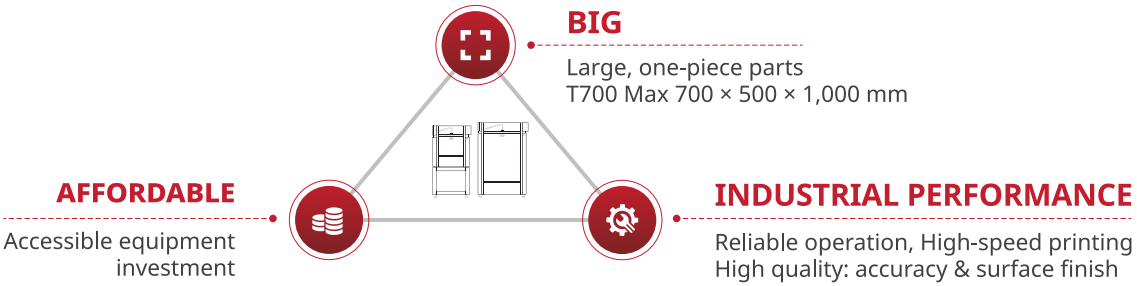


Car Fan
Brose

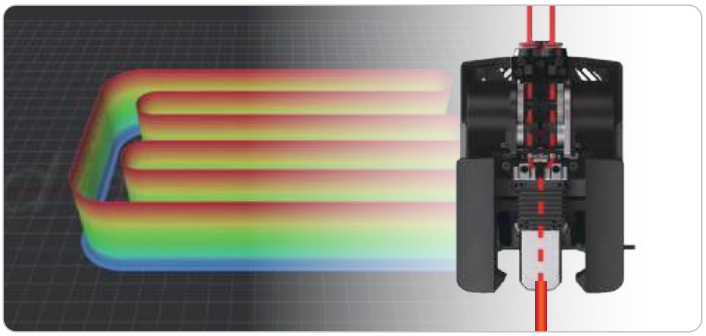


Mori Memorial Sculpture
Te Arawa Tribal Centre, New Zealand

Big. Industrial Performance. Affordable.
Now Together.



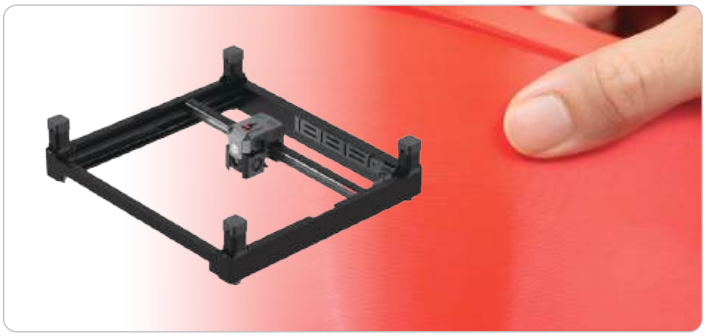
Technological Innovations for Industrial Production of Large-Sized Components



Innovative TwinFlow™ Dual Extrusion System

Max flow rate of 80 mm^3/s to accelerate the production of large parts.

TwinFlow™ feeds two filament lines into one nozzle, delivering up to 80 mm^3/s* hotend flow rate. Remote auxiliary feeding system sustains high-flow extrusion for faster large-part production. Under specified test conditions, one printer can process up to 5 kg in 21 hours**.



Innovative 4MD CoreXY

Even large formats can deliver refined detail.

The 4MD CoreXY system enhances operational stability and minimizes corner bulging and uneven material ejection. The TwinFlow™ single-nozzle architecture eliminates alignment errors inherent to dual-nozzle XY configurations, enabling the processing of large workpieces with both fine surface detail and dimensional precision.

* Test parameters: Raise3D Hyper Speed ABS V2, 250 °C printing temperature, 0.4 mm nozzle, a single-layer thin-walled smooth geometry.

** T450, 0.6 mm nozzle, Raise3D Hyper Speed PLA, printing a cylinder. Obtained under specific test conditions.

T450

Build Volume (W × D × H): **450 × 350 × 400 mm**

Large-Format Integrated Printing for More Stable Production Capacity

- 63 L build volume: Enables more parts to be printed in one piece, reducing the need to split models and assemble printed parts.
- High precision, greater stability: IT11-grade accuracy, superior stability help teams minimize rework and ensure on-time delivery.





Assembly Fixture For Assembly Line
Australia Open Wiring Systems



Bomb-disposal Robot
Florida Police Department



Scoliosis Brace for Children
Medical 3D Printing Innovation Center



Casting Mold Core
RBP Metallurgy, Mexico

Featured Case | CATL | Raise3D Customer Application

Lighter Pallets. Shorter Lead Time.

PRODUCTION LEAD TIME

40 days → *10 days*

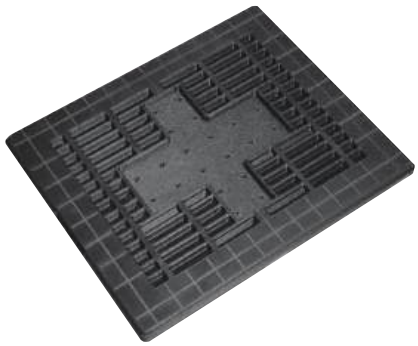
75% shorter

WEIGHT PER PALLET

8 kg → *2 kg*

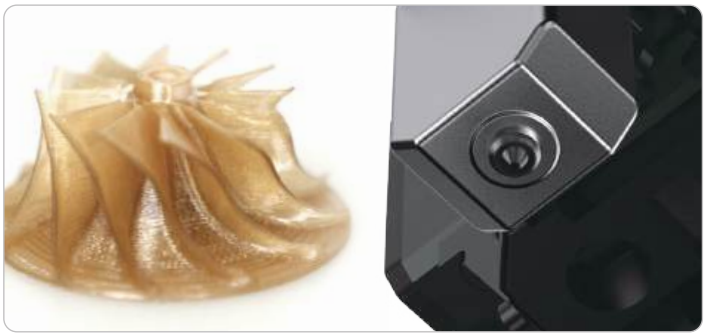
75% lighter

Optimized materials, design and 3D printing workflows helped CATL reduce pallet lead time and weight.



RAISE3D T SERIES

Reliable, high-speed, large-format FFF, priced for fleet deployment.



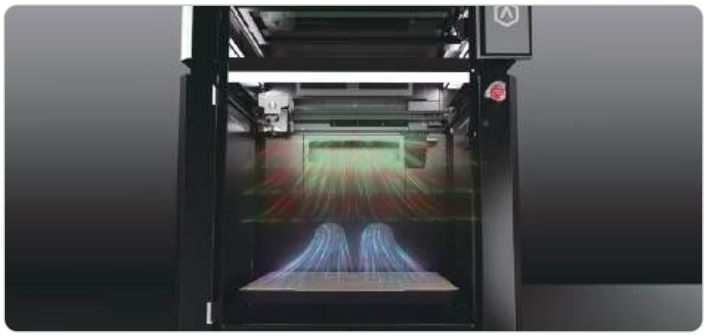
Thermally Conductive, Wear-Resistant Composite Nozzle

Combines chromium-zirconium-copper (CuCrZr) with a silicon carbide (SiC) tip. Works with a hot end rated up to 420 °C, an actively heated chamber and a heated bed.

Exploring PEEK – Application-Specific Evaluation

Experimental use only. Not general-purpose PEEK compatibility.

The high-temperature configuration provides a basis for evaluating selected small PEEK parts under tightly controlled conditions. Large-format PEEK printing is not supported. Small size alone does not establish printability. Feasibility depends on material grade, part size and geometry, preparation and process settings. Contact Raise3D before purchase to discuss your part, applicable process guidance and trial requirements. Successful printing and end-use performance must be validated for the specific application*.



Next-Generation Air Flow Manager

Active heating ensures more stable printing of large ABS objects.

The next-generation Air Flow Manager features an active heating chamber capable of reaching up to 70 °C*, combined with a heated bed that can reach up to 120 °C. This configuration reduces warping, enhances inter-layer adhesion, and ensures more stable printing of large workpieces over extended periods. The four-screw Z-axis provides robust support for large, heavy objects, while AI-based defect detection assists in identifying anomalies, thereby reducing the risk of print failures and associated losses.

* T450, See Technical Specifications for details.



T450

T700

Technical Specifications

Build Volume (W × D × H)	63L: 450 × 350 × 400 mm (17.7 × 13.8 × 15.8 inch)	350L: 700 × 500 × 1,000 mm (27.6 × 19.7 × 39.4 inch)
Machine Size (W × D × H)	710 × 635 × 785 mm (28.0 × 25.0 × 30.9 inch)	964 × 792 × 1478 mm (37.9 × 31.1 × 58.2 inch)
Dimensional Accuracy	IT11*	
Max Print Speed	Max 600 mm/s*	
Max Flow for Hotend TwinFlow™ (Dual Extrusion)	Max 80 mm^3/s*	
Max Nozzle Temperature	420 °C	
Active Heating Chamber	Up to 70 °C	Up to 60 °C
Heated Bed Temperature	Up to 120 °C	
Standard Nozzle Diameter	0.4 mm	0.6 mm
Raise3D Materials	Hyper Speed: PLA/ PLA Pro/ ABS/ PETG CF/ PET CF Industrial: PPA CF/ PET Support/ PPS CF Premium: PLA/ ABS/ ASA/ PETG/ TPU-95A Coming Soon: Industrial: PPA GF/ PET CF/ PET GF/ PETG ESD/ PPA Support Premium: PVA+	
Third-Party Materials	Supported by Raise3D OMP (Open Material Program)*	
Software	ideaMaker®	
Operating System	Windows / macOS/ Linux	
Supported File Types	STL / OBJ / 3MF / STEP / IGES	
Warranty and Service	1-year standard warranty	

* Dimensional accuracy depends on nominal dimension, material geometry and printing conditions. See the test report for validated results.

* Detailed test methods and reports are available on *www.raise3d.com*.

* The max printing speed, as well as the maximum nozzle flow rate of 80 mm^3/s, are all achieved under specific conditions, using Raise3D Hyper Speed ABS V2, a 250°C nozzle, and a single-layer thin-walled smooth geometry; actual performance depends on the material, nozzle, layer height, and model and printing configuration.

* Printing with PEEK filament requires the use of specified materials and templates; please refer to the printing and model design guidelines. For enhanced performance, post-print crystallization via annealing is required in accordance with the annealing guidelines.

* For detailed information and slicing profiles of the materials supported by Raise3D OMP, please visit *https://www.ideamaker.io/*.

multistation
Digital manufacturing provider since 1987

Jessica Coupé - Customer Relationship Manager
jessica@multistation.com | +33 2 99 16 35 39
www.multistation.com