



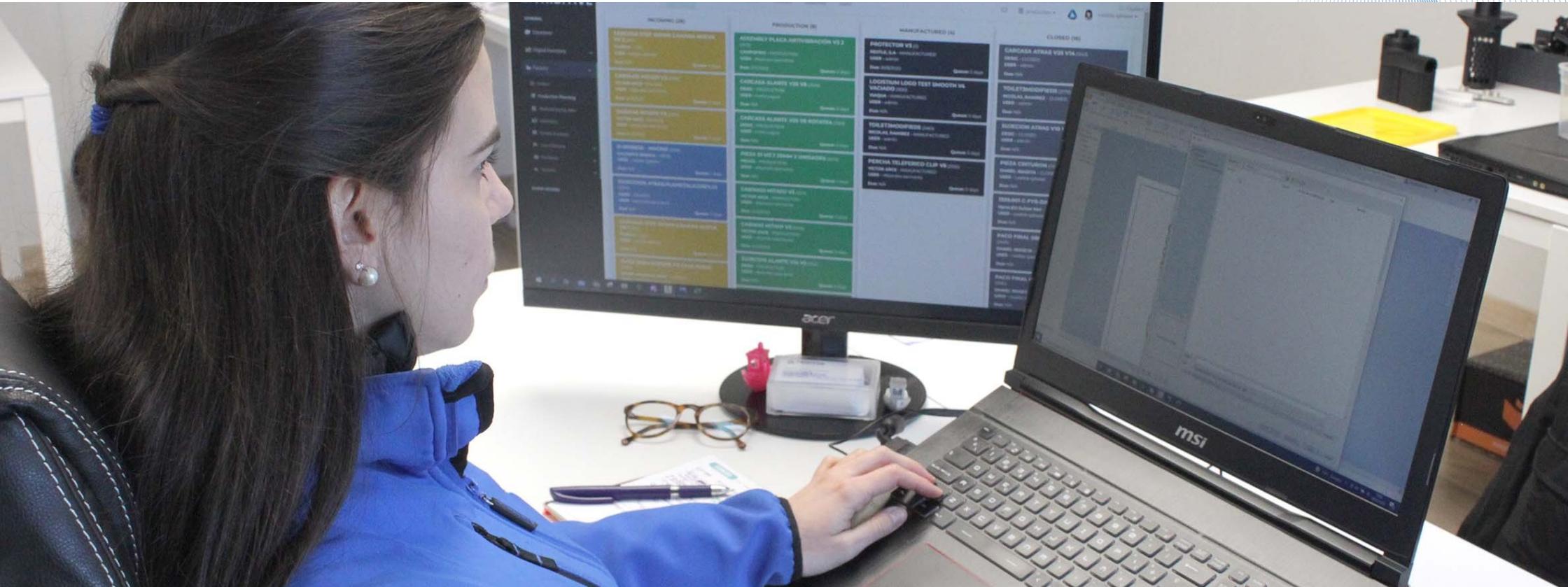
TRIDITIVE
ADDITIVE MANUFACTURING

Automation for additive manufacturing



About Us

TRIDITIVE is manufacturer of industrial automated additive manufacturing machinery. TRIDITIVE has patented AMCELL®, the first hybrid and automated industrial AM machine for mass production of metal and polymer parts. Integrated with EVAM®, our proprietary software for remote control and production optimization, AMCELL® enables manufacturers to shorten the supply chain, digitalize inventories and deliver solutions to their customers faster.



Our differences

TRIDITIVE has taken Industrial 3D printing from prototyping to mass manufacturing.



Highest throughput in the market.



High resolution (Dimensional accuracy and surface quality).



High-density metallic parts.



Metal and technical polymers, automatic feedstock control.



Cloud-management of real-time factory production, workflow and traceability.



User access level control and security.

AMCELL FLEX®

AMCELL FLEX® is an automated additive manufacturing ecosystem for the mass production of high complexity and precise final parts, controlled by EVAM Software® to manage production orders, in-process control, and reduce machine downtimes.

Manufacturing orders, process monitoring, feedstock control, smart environmental control, are just some of the features that make AMCELL FLEX® a real platform for mass production.

Software-controlled workflow and process monitoring

AMCELL FLEX® includes EVAM Software®, the most advanced production control and remote monitoring solution.

Automatic calibration

Each printhead is automatically calibrated before each printing job to ensure the highest quality of the final part.

Automatic ejection of printed parts

The printed part is ejected to the automatic storage module and a new platform is loaded to ensure 24/7 production.

Automatic storage

Traceability and automatic storage of printed parts.



AMCELL 1300®



The AMCELL 1300 is the ideal entry-level solution for industrial automated additive manufacturing. Designed for businesses looking to step into advanced production, it offers 24/7 continuous operation without constant supervision, optimizing production times and reducing operational costs. Its modular system integrates seamlessly into any industrial environment, allowing for quick and efficient scaling. Despite its simplicity, the AMCELL 1300 delivers robust performance with high precision and consistency across a wide range of materials, making it perfect for companies seeking to enter additive manufacturing without compromising on quality or productivity.

POWERFUL & COST-EFFICIENT



Technical information

AM technology	Automated Multimaterial Deposition (AMD Technology®)
Build rate	1 tons metal/year - 0.25 tons polymer/year
Maximum printing height	300 mm
Maximum printing area	260 mm
Extruder system	Direct (+ secondary extruder). Filament sensor integrated
Nozzle diameter	0.4 - 1.2 mm
Manufacturing materials	Polymers: ABS, ASA, CPE, HIPS, IGLIDUR I150, PA, PC, PETG, PLA, PP, TPU, VINYL. Composites: PA+ARAMIDE, PA+CF, PC+ABS, PC+PBT. Metals: SS 316, SS 17-4 PH, Inconel, Titanium.
Minimum layer height	50 µm
Number of robots	1
Build chamber	Heated with temperature control, Bofa® filtering system
External and weight dimensions	1,06 x 1,32 x 1,96 m. Unladen weight: 350kg.

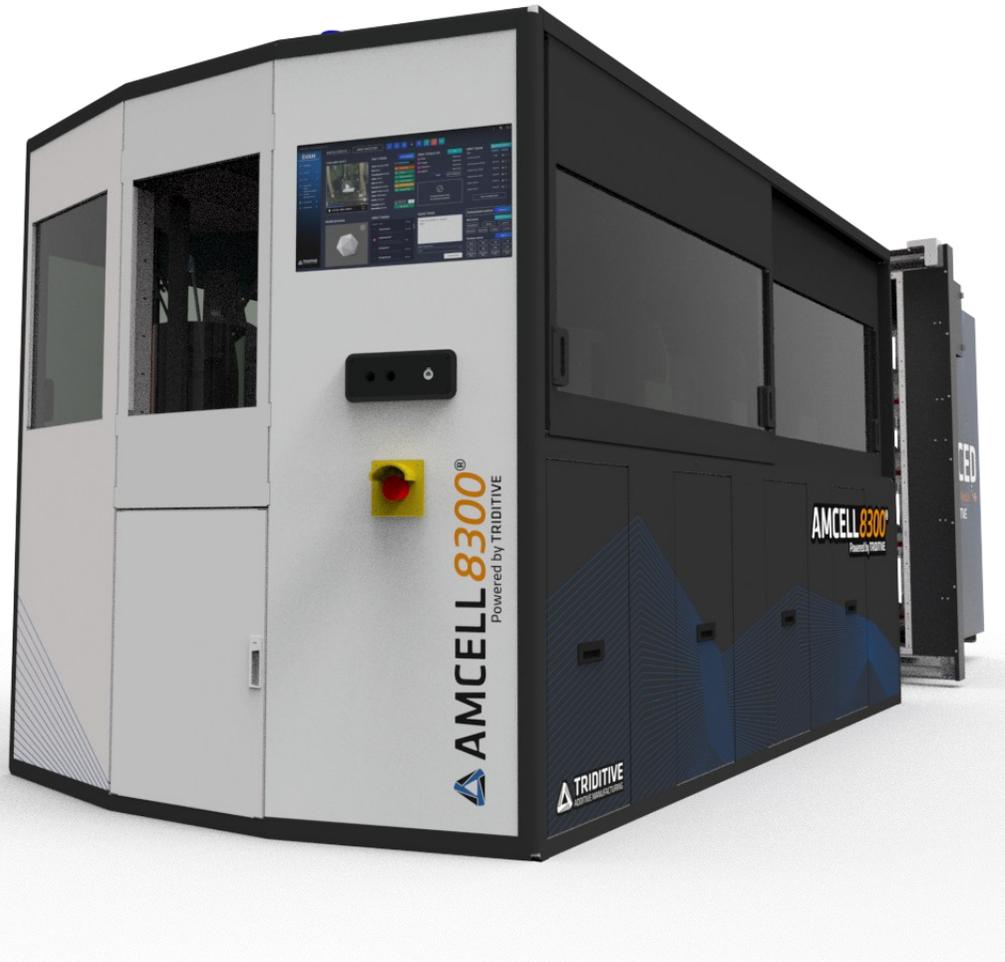
Manufacturing platforms

Platform change system	Automatic
Ejection system	PTS Platform Transfer System
Build platform	Heated, up to 150°C
Build platform material	Vitroceraamic glass (customizable)
Build platform calibration	Automatic
Final parts storage	Automatic TRACED

AMCELL 8300®



The AMCELL 8300 is a top-tier solution for large-scale industrial automated additive manufacturing. Designed for businesses with high production demands, it excels in handling complex projects with precision and speed. Its 24/7 automated operation and advanced modular design allow for seamless integration into any production line, significantly increasing efficiency. The AMCELL 8300 supports a broad range of materials and consistently delivers high-quality parts, making it ideal for companies looking to push the boundaries of industrial additive manufacturing while maximizing productivity and reducing operational costs.



LIMITLESS PRODUCTION

Technical information

AM technology	Automated Multimaterial Deposition (AMD Technology®)
Build rate	8 tons metal/year - 2 tons polymer/year
Maximum printing height	300 mm
Maximum printing area	260 mm
Extruder system	Direct (+ secondary extruder). Filament sensor integrated
Nozzle diameter	0.4 - 1.2 mm
Manufacturing materials	Polymers: ABS, ASA, CPE, HIPS, IGLIDUR I150, PA, PC, PETG, PLA, PP, TPU, VINYL. Composites: PA+ARAMIDE, PA+CF, PC+ABS, PC+PBT. Metals: SS 316, SS 17-4 PH, Inconel, Titanium.
Minimum layer height	50 µm
Number of robots	8
Build chamber	Heated with temperature control, Bofa® filtering system
External and weight dimensions	3,4x 2 x 2 m. Unladen weight: 1600kg.

Manufacturing platforms

Platform change system	Automatic
Ejection system	PTS Platform Transfer System
Build platform	Heated, up to 150°C
Build platform material	Vitroceraic glass (customizable)
Build platform calibration	Automatic
Final parts storage	Automatic TRACED

TRACED®

Traced, Triditive's automated storage module, optimizes inventory management by providing precise and efficient control of materials and parts. Designed to seamlessly integrate into industrial environments, Traced automates the flow of storage and retrieval, reducing human errors and downtime. With its advanced technology, it ensures full traceability, allowing companies to boost productivity and maintain a smooth, well-organized supply chain, all while minimizing operational costs.

Scale storage capacity for Additive Manufacturing

- Each column represents a group of slots (can be increased up to 8). Each slot can hold up to 5 platforms.
- Tracking information such as material, order number, customer information, production date, postprocessing, and shipping details is accessible at any time through EVAM® platform.



TRACED® + AMCELL® THE PERFECT MATCH



TRACED® and AMCELL® are the perfect match because together they create a seamless, end-to-end solution for industrial additive manufacturing. AMCELL® automates the production of high-quality parts with 24/7 efficiency, while TRACED® optimizes the management and traceability of materials and finished products. By integrating automated storage with continuous production, this combination minimizes human intervention, reduces errors, and ensures a smooth workflow from material input to part output. The result is an efficient, scalable, and cost-effective manufacturing process that maximizes productivity while maintaining full control over inventory and production.

Unit

Height: 3000 mm
Depth: 1560 mm
Width: 2000 mm

Carrier

Height: 420 mm
Depth: 300 mm
Width: 300 mm

Capacity

Finish jobs capacity: 80 units

AMCELL *BULKAM*®

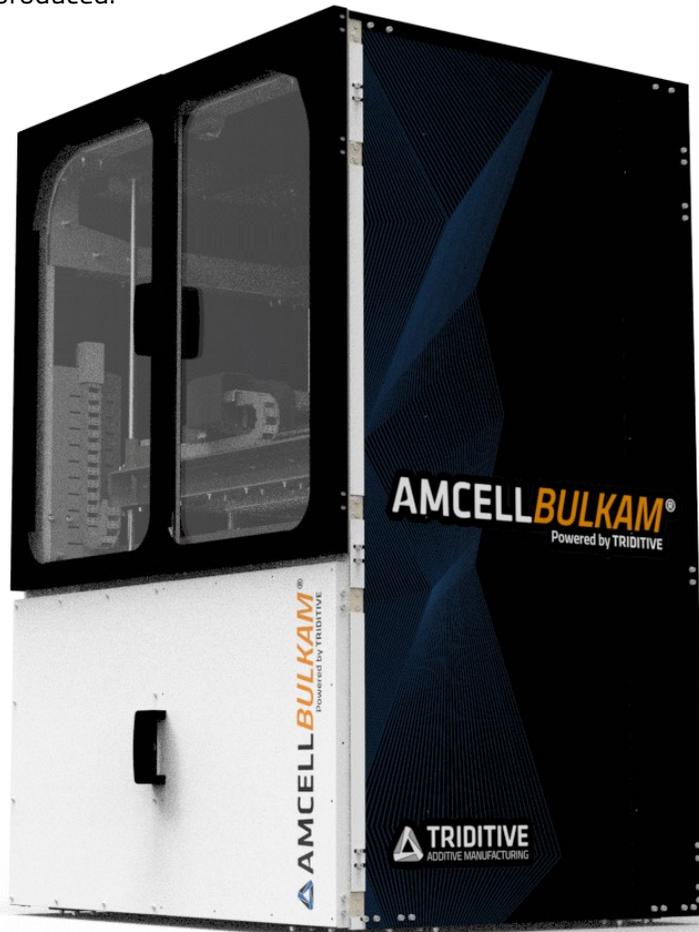


The AMCELL BULKAM stands out for its impressive large-scale manufacturing capacity, making it ideal for high-demand industrial projects. Its robust design ensures long-lasting, reliable performance in demanding environments, while its NATO certification makes it a trusted choice for sectors requiring the highest standards of security and quality. With the BULKAM, businesses can achieve efficient, mass production without compromising the precision or durability of the parts produced.

ROBUST PRECISION



NCAGE Code: 9B7ZB



Technical information

AM technology
Maximum printing height
Maximum printing area
Extruder system
Nozzle diameter
Manufacturing materials

MEX; MMEX
500 mm
500x500 mm
Direct extrusion
0.4 - 1.2 mm
Polymers: ABS, ASA, CPE, HIPS, IGLIDUR 1150,
PA, PC, PETG, PLA, PP, TPU, VINYL
Composites: PA+ARAMIDE, PA+CF, PC+ABS, PC+PBT
CPE+CF
Metals: SS 316, SS 17-4 PH, Inconel, Titanium.

Minimum layer height
Build chamber
External and weight dimensions

50 µm
Heated with temperature control, Bofa®
Filter system 1,059 x 1,32 x 1,96 m.
Weight: 350 kg

Manufacturing platforms

Platform change system
Build platform
Build platform material
Build platform calibration
Final parts storage

Manual
Heated, up to 130°C
Vitreous ceramic glass (customizable)
Automatic
Manual

EVAM

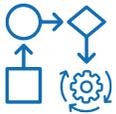
SOFTWARE®

A software platform that allows companies to **create digital inventories** and **manage on-demand production** in a simple way

Main features



EVAM® is the fastest sourcing platform to produce parts on demand, centralize orders and optimize production.



Triditive Software organizes and manages the workflow to ensure repeatability, traceability and productivity.



EVAM® empowers manufacturers to create and manage digital warehouses and scale production on-demand.



MATERIALS

Technical materials for
additive manufacturing

Polymers

CPE (Chlorinated Polyethylene - FDA)  

PETG (Polyethylene Terephthalate – FDA)  

IGUS I150, I180 (Autolubricant low friction- FDA)  

BIOpolymer (100% biodegradable Non CO2 emissions FDA)

PLA (Polylactide - FDA)  

PA (Polyamide)

PP (Polypropilene) 

PC (Polycarbonate)

HIPS (High Impact Polystyrene)

ASA (Acrylonitrile Styrene Acrylate)

ABS (Acrylonitrile Butadiene Styrene)

Elastomers (Shore A: 98, 92, 90, 85, 80...)

TPU (Polyurethane - FDA)  

TPE (Thermoplastic Elastomers - FDA)  

PEBA (Polyether Block Amide - FDA) 

Composites

PC+ABS

PA+ARAMIDE

PA+CF (PA+Carbon Fiber)

PC+PBT (PC+Polybutylene Terephthalate)

Metals

Stainless Steel AISI 316L

Stainless Steel 17-4PH

Inconel 713

Titanium

R&D materials

FDA Polymers

Magnetically detectable polymers

Autoclave Resistant Polymers

Technical polymers resistant to chlorine, soda...

New materials development



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