



TÂRGU JIU · ROMANIA · EU

CAPABILITIES 2026

INDUSTRIAL 3D PRINTING, FACTORY DIRECT.

One of the largest 3D printing factories in Eastern Europe. 200+ industrial printers in our own ISO 9001:2015 certified factory in Târgu Jiu, Romania, inside the EU.

FOR ENGINEERING, R&D, MAINTENANCE AND PURCHASING TEAMS

200+

industrial 3D printers

27

FDM polymers, plus SLA resin

ISO 9001:2015

certified factory

1,200+

orders delivered

4.7 / 5

from 203 verified ratings

A FACTORY, NOT A BROKER.

3Descu prints, finishes, checks and packs every part on its own factory floor in Târgu Jiu, Romania. No subcontracting chain and no reseller in between: one accountable team from file to dispatch, seven days a week.

200+

industrial 3D printers on one floor

27

FDM polymers, plus SLA resin and custom materials on request

1,200+

orders delivered across Europe

4.7 / 5

from 203 verified platform ratings

7 days

a week in production

EU

based in the EU: no customs on deliveries inside the EU

ISO 9001:2015

Certified factory with a documented quality system.

AUDITED ON SITE

By one of the largest on-demand manufacturing networks.

FDM FIRST

Industrial FDM at scale, SLA resin for fine detail.



Part of the FDM fleet on the production floor

FROM ONE PROTOTYPE TO THOUSANDS OF PARTS.

Functional plastic parts for engineering teams. No tooling and no mould: every geometry prints from its own file, so a design can change between batches.



Large functional parts on the build plate



A batch of small parts, printed in one run

01

PROTOTYPES

Form, fit and function prototypes, design iterations and test samples, often printed in as little as one day.

PETG · PLA · SLA resin

02

JIGS AND FIXTURES

Assembly jigs, drilling templates, gauges and holders for the line, stiff and light in carbon-fibre grades.

PETG-CF · PC · Nylon CF

03

ENCLOSURES AND HOUSINGS

Electronics housings, covers, brackets and panels, for indoor or outdoor use.

PETG · ASA · PC-ABS

04

SPARE PARTS

Replacement and maintenance parts for machines and equipment, printed on demand with no minimum run.

PETG · ABS · Nylon PA12

05

SMALL SERIES

Pre-series and series of thousands, shipped in batches so assembly can start while the rest prints.

Any FDM grade

- Not sure which process or material fits? Every file gets a free printability check before production.

27 FDM POLYMERS AND SLA RESIN.

FDM · FILAMENT

MATERIAL	STRENGTHS	TYPICAL PARTS
PETG	Our default. Tough, chemical resistant, versatile	Housings, brackets, functional and translucent parts
PLA	Fast, accurate, fine surface	Visual prototypes, models, low-load indoor parts
ABS	Impact resistant, can be machined or smoothed	Indoor engineering parts, electronics housings
ASA	UV and weather resistant, for heat above about 80 °C	Outdoor parts, exterior brackets, enclosures
PC	High heat and impact resistance	Jigs, machine guards, parts near heat
PC-ABS	Tough blend for structural parts	Hand-held housings, structural enclosures
Nylon PA12	Wear and fatigue resistant	Snap fits, living hinges, gears, wear parts
TPU 90A	Flexible and abrasion resistant	Seals, gaskets, bumpers, grips, soft cases
PETG-CF	Stiff, light, matte finish	Fixtures, brackets, stiffness-critical parts
ABS-CF	Stiff with heat tolerance	Industrial fixtures, brackets near heat
Nylon CF	Highest stiffness in the range	Structural fixtures, tooling, load-bearing brackets
Wood-filled PLA	Natural wood look	Architecture and design models, displays

+ compatible custom materials on request

The core range below covers most engineering work. Compatible custom materials are printed on request.

SLA · RESIN, FOR FINE DETAIL

MATERIAL	STRENGTHS	TYPICAL PARTS
Standard	Fine detail, smooth surface	Visual models, presentation prototypes
Tough	Impact resistant resin	Functional prototypes, snap fits
Flexible	Soft, rubber-like	Soft-touch prototypes, detailed gaskets
Castable	Burns out cleanly	Patterns for investment casting
Water-washable	Simple post-processing	Fast iteration models

MAXIMUM PART SIZE

FDM, speed and high capacity **up to 300 × 300 × 300 mm**

PETG, large format **up to 450 × 450 × 450 mm**

ABS and ASA **up to 310 × 310 × 310 mm**

Flexible TPU and TPE **up to 250 × 250 × 250 mm**

SLA resin **up to 218 × 122 × 220 mm**

Larger parts are split into sections and bonded. The joint position is agreed with you before production.

COMMITMENTS **IN WRITING.**

Engineering buyers need more than a good part. They need a supplier they can hold to its word. These apply to every order.

ISO 9001:2015 CERTIFIED FACTORY

A documented quality system covering production. Certificate available on request.

FREE PRINTABILITY CHECK

Every file is reviewed by an engineer before production. Any change is explained before you are committed.

REPRINT OR REFUND

A part that does not match the agreed specification is reprinted or refunded. Written into our terms.

MUTUAL NDA ON REQUEST

Drafted by us or by you, and signed fast once the text is agreed.

FILES ENCRYPTED, STORED IN THE EU

Used only to make your parts and deleted after 90 days.

QC REPORT AND PHOTOS

Dimensional inspection report on request. Production photos free on request, at any stage.

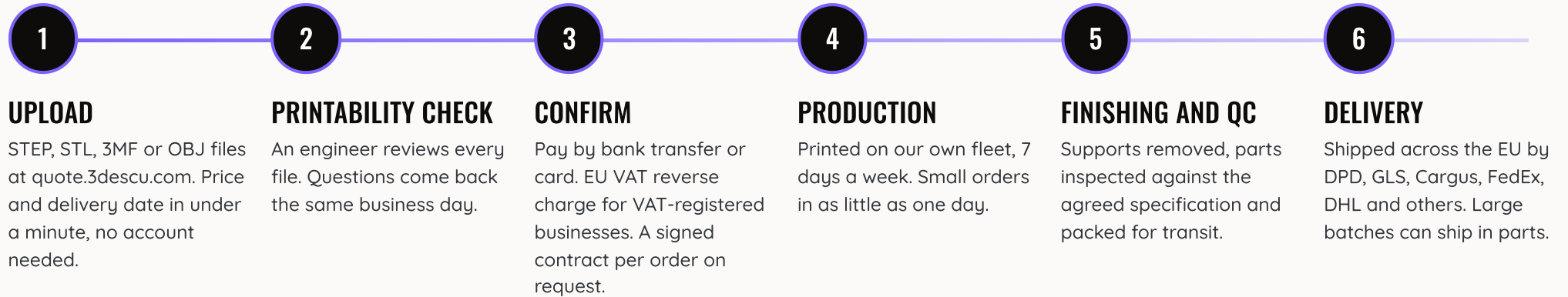


THIRD-PARTY VERIFIED

Audited on site by one of the largest on-demand manufacturing networks. Your own audit is welcome, in person or as a live video tour.

FROM FILE TO DELIVERY, **WITHOUT THE BACK AND FORTH.**

One clear path in six steps, with one team accountable for every one of them.



PREFER TO TALK FIRST?

Book a 15-minute live video tour of the factory and see the production floor before you order.

[Book a tour](#)

DELIVERY DATE UP FRONT

The delivery date for your order is shown with the quote. Large parts and big batches are planned individually.

QUOTE.3DESCU.COM

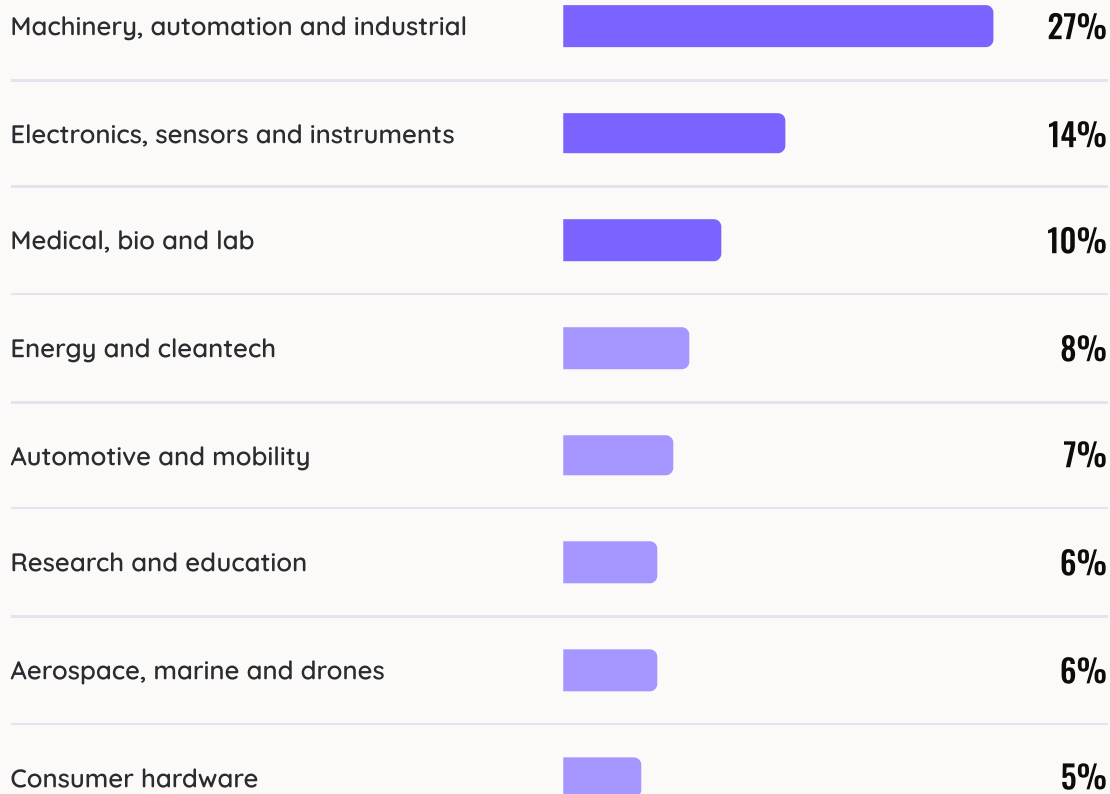
File formats: STEP, STP, STL, 3MF, OBJ · up to 50 MB per file



ENGINEERING TEAMS **ACROSS EUROPE.**

Most of our work comes from companies that design or run physical products where plastic parts come back again and again.

BUSINESS CLIENTS BY SECTOR



Share of classified business clients, from our order history.

TYPICAL REQUESTS BY SECTOR

Machinery and automation	Jigs, fixtures, guards, spare parts
Electronics and instruments	Housings, covers, cable guides
Medical and lab	Device prototypes, lab holders, kits
Energy and cleantech	Pre-series housings, flexible cases
Automotive and mobility	Brackets, prototypes, assembly aids
Research and education	Instrument parts, kits at volume

WHERE OUR PARTS GO

Germany, France, the Netherlands, Italy, Austria, Belgium, Spain, Ireland, Sweden, Denmark, Finland, Norway and more.

REAL PROJECTS, REAL VOLUMES.

Client names are withheld here. Fuller versions of some projects are published on our blog.

INDUSTRIAL WEARABLES · FRANCE

1,000 FLEXIBLE TPU 90A CASES WITH AN AIRTIGHT AIR CHANNEL

CHALLENGE

Heat resistant to 95 °C, slightly flexible, with an internal air channel that must not leak.

WHAT WE DID

TPU 90A at a tuned layer height, a PETG option tested side by side, partial shipments so assembly could start early.

RESULT

Two orders, a repeat with redesigned cases, parts fitted in the client's systems.

TPU 90A · FDM

ESCAPE-ROOM OPERATOR · POLAND

OVERFLOW PRODUCTION FOR A NEW GAME

CHALLENGE

More than 20 part designs and too few in-house printers to finish in time.

WHAT WE DID

Printed in parallel and shipped in batches, a support-free mechanism part filmed before production, an aged-gold colour matched to the set.

RESULT

A follow-up module and repeat batches of 4,000 PETG pendants for guests.

PETG and silk filament · FDM

KINETIC ART INSTALLATION

960+ UNIQUE PARTS, EACH FROM ITS OWN FILE

CHALLENGE

Hundreds of different geometries, 1.5 to 5 cm, that had to fit into one moving structure.

WHAT WE DID

Every part printed in house, with orientation and supports planned per geometry.

RESULT

The full set delivered ahead of schedule, with no mould for any part.

FDM

"Outsourcing part of the production to you freed up our internal capacity and significantly accelerated our project."

WORKSHOP TEAM, ESCAPE-ROOM OPERATOR, POLAND

"The parts are looking good. Most of them were already used in our systems."

ENGINEERING TEAM, INDUSTRIAL WEARABLES MAKER, FRANCE

SEE WHERE YOUR PARTS ARE MADE.

Want to see it live? [Book a 15-minute video tour.](#)



Production runs 7 days a week



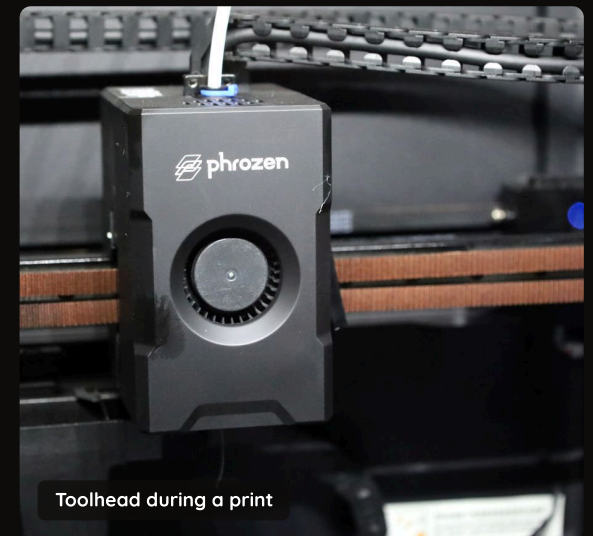
Industrial enclosed FDM printers



Large-format FDM cell



SLA resin bench next to the FDM fleet



Toolhead during a print

NEXT STEPS

SEND A FILE. GET A PRICE IN UNDER A MINUTE.

INSTANT QUOTE

Upload STEP, STL, 3MF or OBJ.
Price and delivery date in
under a minute, no account
needed.

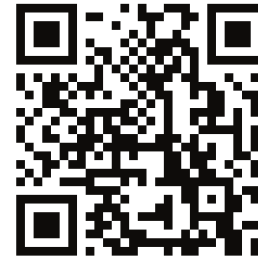
quote.3descu.com



LIVE FACTORY TOUR

A 15-minute video call from the
production floor. See the fleet
and ask about your part.

[Book a slot](#)



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LINKEDIN

[3Descu](#)

FACTORY

Calea București 217D, 210002 Târgu Jiu, Romania

A person replies the same business day.

ISO 9001:2015 certified
factory

Reprint or refund, in writing

Mutual NDA on request

Files encrypted, stored in
the EU