

FDM 3D PRINTING SERVICES

Industrial Quality. Delivered.

Contract manufacturing partner for engineering-grade
FDM parts — from single prototypes to one million
parts per year.

WHAT WE PRINT WITH

Materials

Our portfolio covers standard thermoplastics through high-performance engineering filaments. Each family groups related variants — we stock the most common grades and can source specific brands on request.

Standard Engineering High-Performance Specialty Flexible

STANDARD

PLA Family

PLA PLA+ PLA-CF Wood PLA

Heat Resistance

55–60°C

Rigidity

High / Stiff

Colors

Full palette

Suppliers

WINKLE, eSUN

Easy to print

Dimensional accuracy

ENGINEERING

PETG Family

PETG PETG-CF PETG ESD PCTG

Heat Resistance

70–80°C

Rigidity

Medium

Colors

Black, White, Grey

Suppliers

FILALAB, eSUN

Chemical resistant

ESD variant available

ENGINEERING

ABS Family

ABS ABS-CF ABS ESD PC-ABS

PC-ABS FR

Heat Resistance

90–100°C

Rigidity

Medium–High

Colors

Full palette

Suppliers

eSUN, FIBERLOGIE

Impact resistant

FR variant available

ENGINEERING

ASA

ASA Standard

Heat Resistance

95–105°C

Rigidity

Medium–High

Colors

Black

Supplier

WINKLE

UV resistant

Outdoor grade

HIGH-PERFORMANCE

PC Family

PC PC FR

Heat Resistance

110–130°C

Rigidity

Very High

Colors

Black

Suppliers

BAMBU / eSUN

Optical clarity

FR option

HIGH-PERFORMANCE

PA / Nylon Family

PA6 CF PA6 GF PPA CF PPA GF

PPS CF

Heat Resistance

120–200°C

Rigidity

High

Colors

Black

Reinforcement

CF / GF

CF/GF reinforced

Chemical resistant

FLEXIBLE

TPU

TPU Standard TPU 64D Shore

Heat Resistance

80–100°C

Flexibility

High / Elastic

Colors

All colors

Suppliers

GEEETECH / SIRAYA

Abrasion resistant

Shore hardness options

SPECIALTY

Greentec Pro

Greentec Pro

Profile

Bio-based

Rigidity

High

Use Case

Eco applications

Colors

On request

Sustainable

Low emission

CUSTOM / ON REQUEST

Bring Your Own

We can process any filament available in 1.75mm diameter. If you have a specific brand or certified material, send us the spool data and we'll handle the rest.

1.75mm Ø required

High-Temp / ESD Grades

PETG ESD

ABS ESD

PC FR

PC-ABS FR

PPS CF

Greentec Pro

WHAT WE DO FOR YOU

Services

From single-run prototypes to high-volume production runs — our service portfolio covers the full lifecycle of an FDM part.



CORE

FDM Manufacturing

Industrial-grade Fused Deposition Modeling (FFF) using engineering thermoplastics and controlled process parameters.

- Mechanical & functional end-use parts
- Controlled temperature & environment
- Consistent layer-by-layer build quality
- Up to 1,000,000 parts per year capacity



FEATURED

Large Format Printing

Oversized parts that exceed standard build volumes — split, printed, and joined to achieve the dimensions you need.

- Structural housings & enclosures
- Industrial fixtures and jigs
- Multi-part assembly design
- Joint design optimized for FDM



Reverse Engineering

No CAD file? We reconstruct your physical part into a production-ready 3D model, optimized for FDM manufacturing.

- Legacy part digitization
- FDM-optimized geometry rework
- Dimensional verification against original
- Output in STEP / STL format



Design & Engineering

From requirements to a print-ready model — our engineers create FDM-optimized designs for functional and aesthetic parts.

- Feasibility & requirements analysis
- MVP + iterative design milestones
- Support-free geometry optimization
- Fixed-price or time-based engagement



Post Processing

Surface finishing and functional integration to bring parts to final specification after printing.

- Sanding & surface smoothing
- Heated insert installation (Heli-Coil, knurled)
- Trimming & deburring
- Custom finishing on request



ISO 9001

Quality Inspection

Every part is inspected against your requirements before shipment. Our processes are ISO 9001 certified.

- Visual inspection for defects
- Dimensional checks on critical features
- Verification against customer specifications
- Documentation on request

75+INDUSTRIAL
MACHINES**1M+**PARTS/YEAR
CAPACITY**9001**ISO
CERTIFIED**2017**FOUNDED
GERMANY

TWO PATHS TO GET YOUR PARTS MADE

How to Order

Whether you have a finished CAD file or just an idea — we have a route for you. Choose the approach that fits your current stage.

OPTION A



Direct Order

You already have a 3D model ready. Upload it, specify your requirements, and we take it from there — production-ready.

- 1 Upload your CAD file (STL, STEP, or other standard format)
- 2 Specify material, quantity, and any additional requirements
- 3 Our engineering team reviews and confirms your order
- 4 Production begins — parts are printed, inspected, and shipped

→ gramm.online/order

OPTION B



Inquire First

You have an idea, application, or physical part — but no 3D model yet. Start with a free inquiry and our team will build a solution for you.

- 1 Describe your application, requirements, or send us reference photos
- 2 We perform feasibility analysis and issue a quotation (free)
- 3 Design & reverse engineering phase — we create or recreate your model
- 4 Master part approval → full production run

→ gramm.online/inquire

OUR PRODUCTION WORKFLOW

01

CAD Evaluation

Review orientation, tolerances, wall thickness, and print challenges.

02

Material Selection

Select filament based on rigidity, thermal, and chemical requirements.

03

Printing

Industrial FDM with controlled environment and optimized parameters.

04

Quality Check

Visual & dimensional inspection against customer requirements.

05

Post Processing

Sanding, inserts, trimming, or custom finishing as needed.

06

Delivery

Packaged and shipped worldwide, tracked and on time.

SHIPPING OPTIONS

ECONOMY

Economy

Standard shipping at the lowest cost. Ideal for non-urgent orders where delivery time is flexible.

Transit Time

5–10 business days

Tracking

Included

STANDARD

Normal

Our default option — reliable transit with full tracking. The right balance between speed and cost.

Transit Time

2–5 business days

Tracking

Included

PRIORITY

Express

When time is critical. Parts are prioritised in production and dispatched with next-day courier service.

Transit Time

1–2 business days

Tracking

Included

READY TO GET STARTED?

Get in touch — it's free.

gramm.online/inquire

gramm.online/order

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www.gramm.online

IMPRESSUM

Legal Notice

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INFORMATION PURSUANT TO § 5 TMG / § 18 MSTV

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REGISTER ENTRY

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VAT IDENTIFICATION NUMBER

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