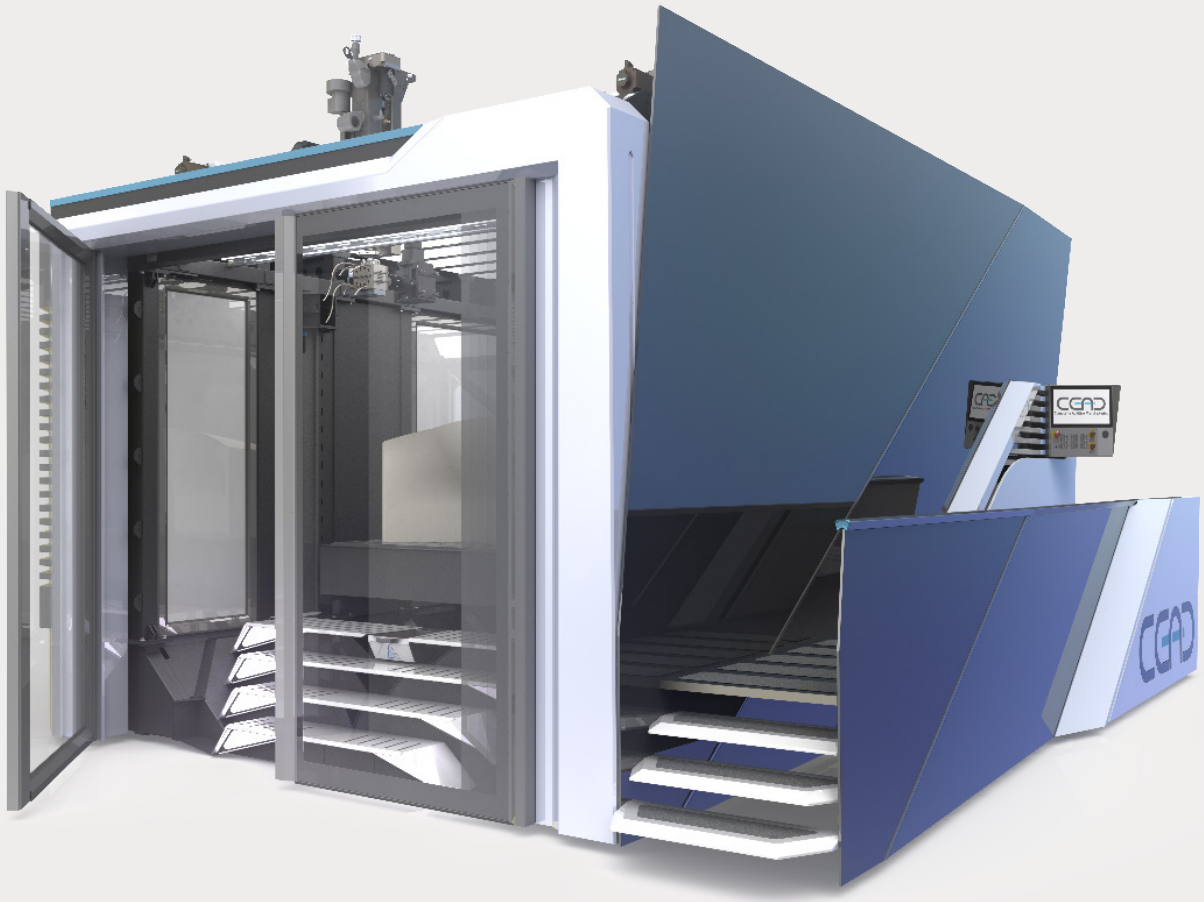
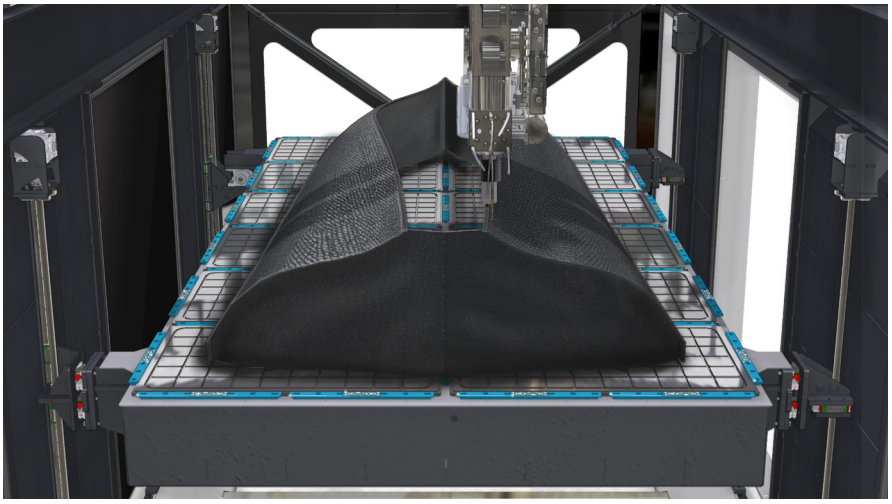
CFAM PRIME



Composite Additive Manufacturing

CFAM PRIME

The CFAM Prime is especially engineered to run production. The machine focuses on printing speed and reliability. Ideal for efficient production of large parts or multiple parts in one production run. Complete turn key machines, ready to start printing your parts immediately.



SPEED

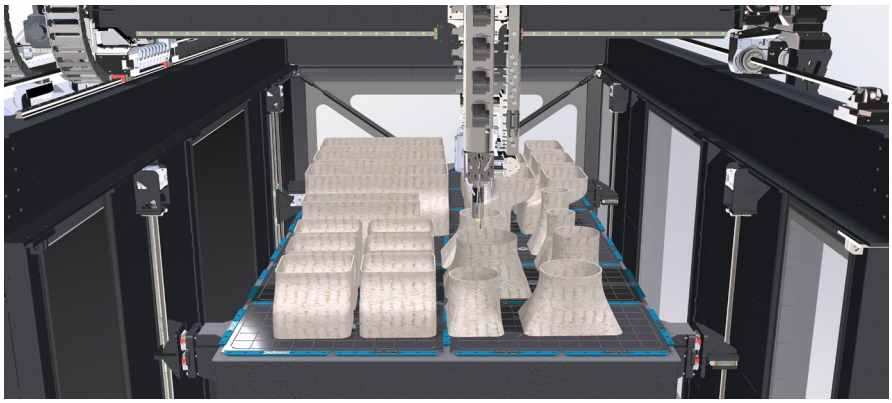
Printing with the CFAM Prime is faster than conventional production. There are shorter lead times for large complex products, and it is possible to print multiple parts on the print bed. CFAM technology enables complex geometry composite part manufacturing on an industrial level.

CONTINUOUS FIBRE ADDITIVE MANUFACTURING

This 3D printing technology adds continuous fibres to the extruder polymers at high speed. Standard granules are reinforced with pre-impregnated continuous glass or carbon fibres for optimal strength and stiffness of the material.

DEDICATED PRODUCTION

Especially developed for industrial use, the CFAM Prime is able to operate 24 hours a day without operator interference. The print bed also allows for easy and quick removal of the printed object and resume production.

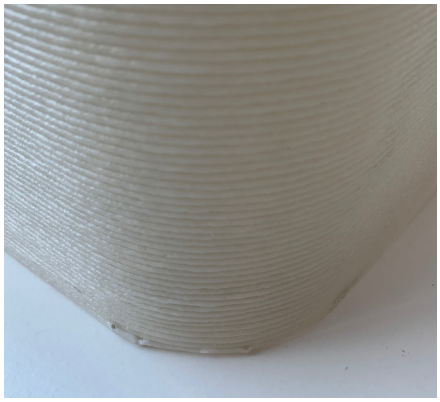


FEATURES

The CFAM Prime is the first 3D printer using CFAM technology. The patented printing head which combines the continuous fibre with the melted thermoplastics is distinctive from other continuous fibre 3D printing technologies.

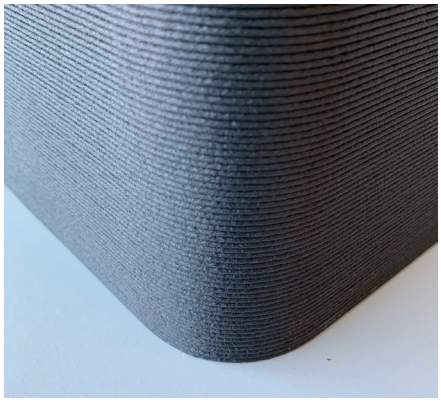
- Pellet extrusion
- Continuous fibres
- Virtually all thermoplastics
- Build volume of 4m x 2m x 1.5m
- Fully enclosed environment
- Average output of 15 kg/hr
- Siemens Sinumerik

rPETG 30% GF



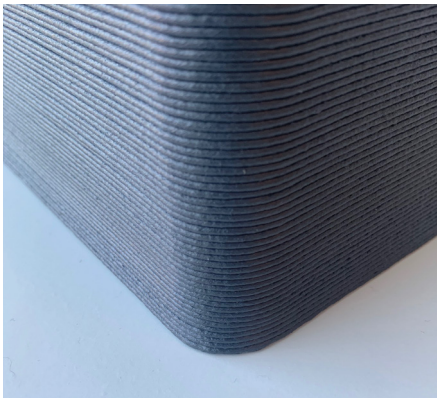
Recycled material, affordable and well suited for use outdoors due to UV stability.

PET 50% GF



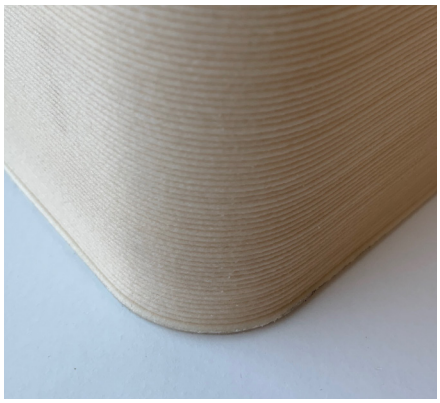
Extremely stiff and strong. Excellent surface finish after post processing and good thermal resistance with high HDT.

ABS 20% CF



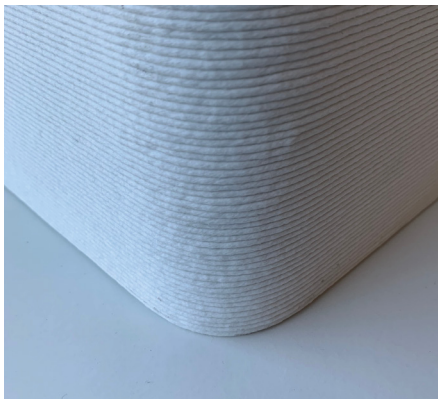
Good mechanical properties, general purpose engineering plastic. Excellent processing.

PLA/WF



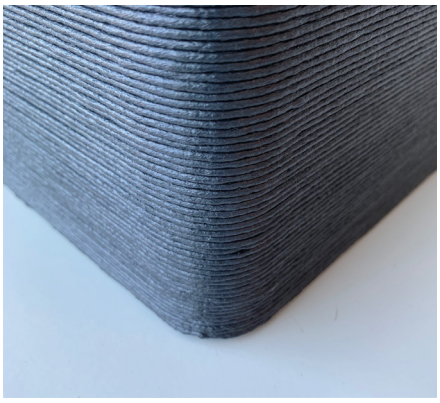
Bio based plastic with cellulose fibres from wood with very good printing quality.

PP 50% GF



Commodity material, afforwdable and excellent chemical resistance.

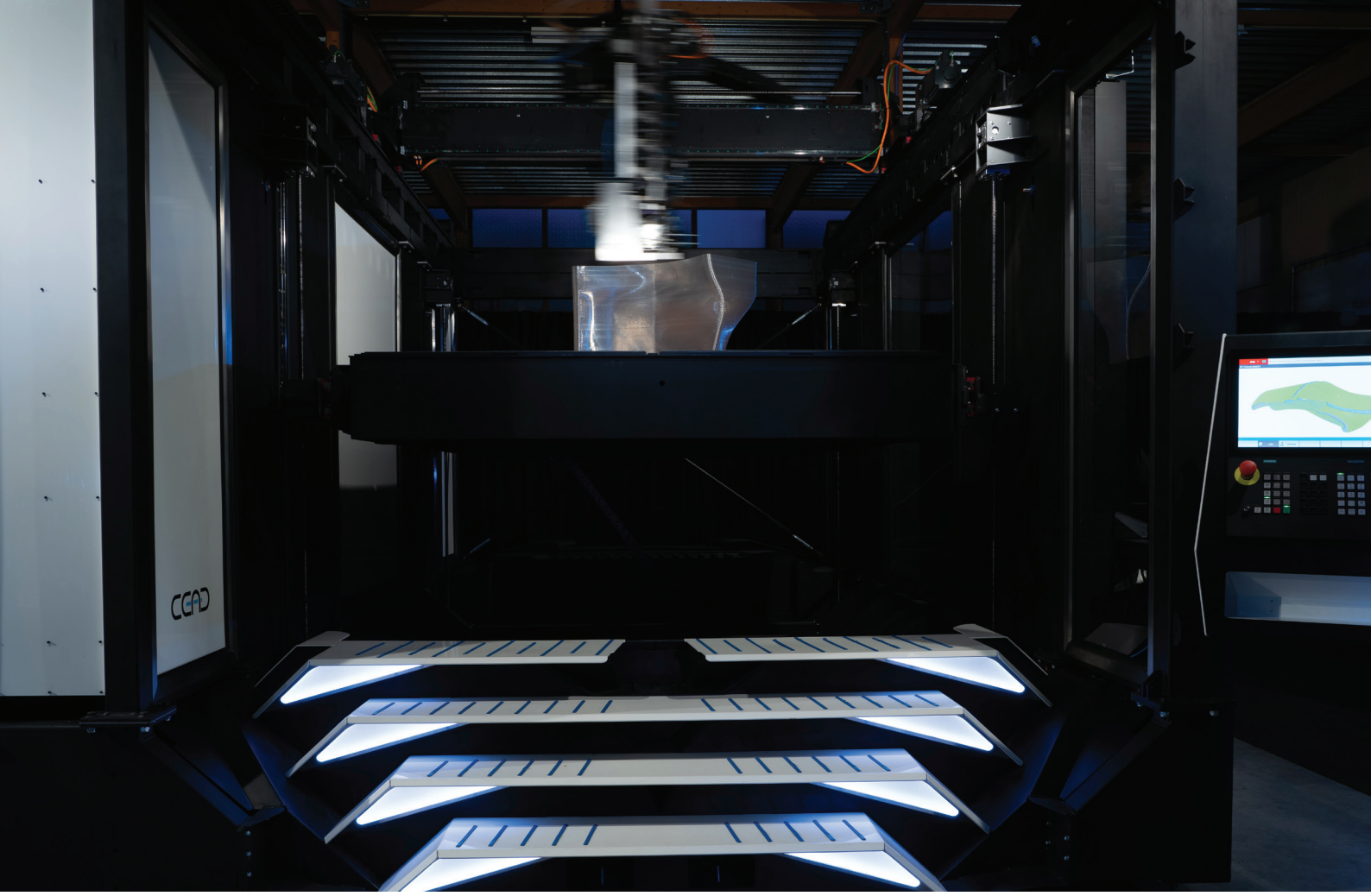
PEEK 30% CF



Excellent mechanical properties and excellent resistance to chemicals.

AND MANY MORE

Please contact us to discuss possibilities for your applications.



Long-term Solutions
CEAD is your partner for implementing 3D printing in your production process.

Together we build your business case and start with a proof of concept project to asses the technical feasibility of your application We investigate important aspects such as - your design, the required material needed for your application and the print strategy-. Tests and prints are included in such a proof of concept project. The appropriate hardware solution derived from the results of the project ensures to leverage the technology to its full potential.

CEAD supplies a total package when it comes to 3D printing solutions. We not only supply the technology and the machine, but also offer assistance with installation, training, maintenance and support. We will help you build your production process from start to finish.

For more information please visit: **www.cfamprime.com**

About
CEAD is a technology supplier of 3D printing equipment on the frontier of large scale composite additive manufacturing. In 2017 we started the development of our world wide unique and patented Continuous Fibre Additive Manufacturing (CFAM) technology. Which enables to 3D print large scale continuous fibre reinforced products with high speed. With passion for technology and innovation, we are driven to find creative solutions for our clients and their applications. Helping them to transform their business activities with our technology.

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