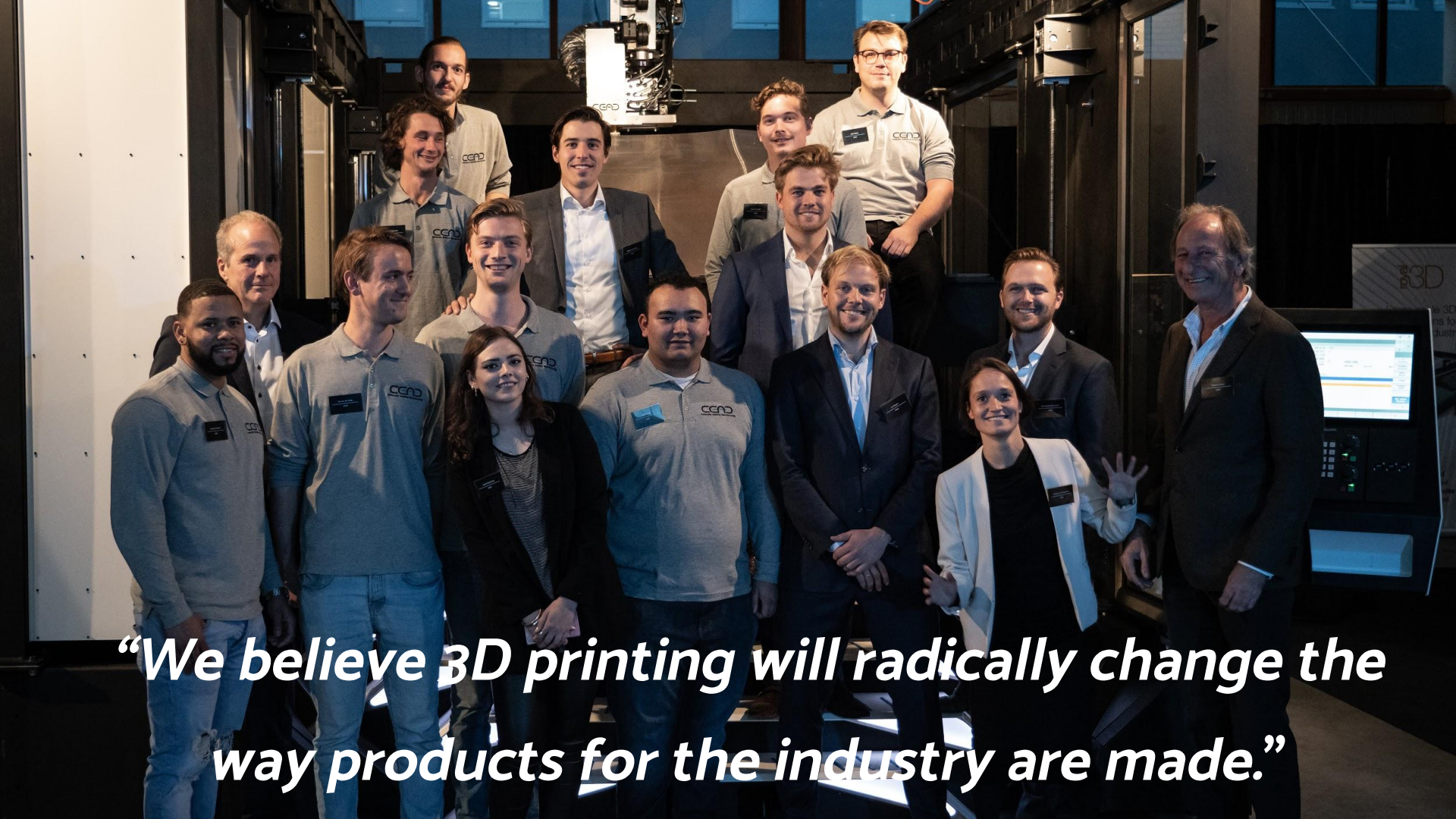
On the frontier of large scale polymer, carbon- and glass fibre 3D printing

Technology supplier of 3D printing equipment


“We believe 3D printing will radically change the way products for the industry are made.”

CEAD B.V.

Founded in 2014

5 years of “building machines which don’t exist”

Experts in 3D printing, 9 years

On the frontier of composite additive manufacturing.

Continuous Fibre Additive Manufacturing(CFAM) technology

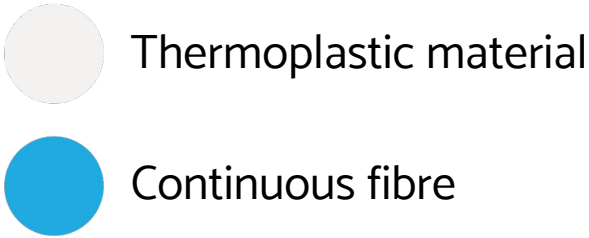
Continuous Fibre Additive Manufacturing

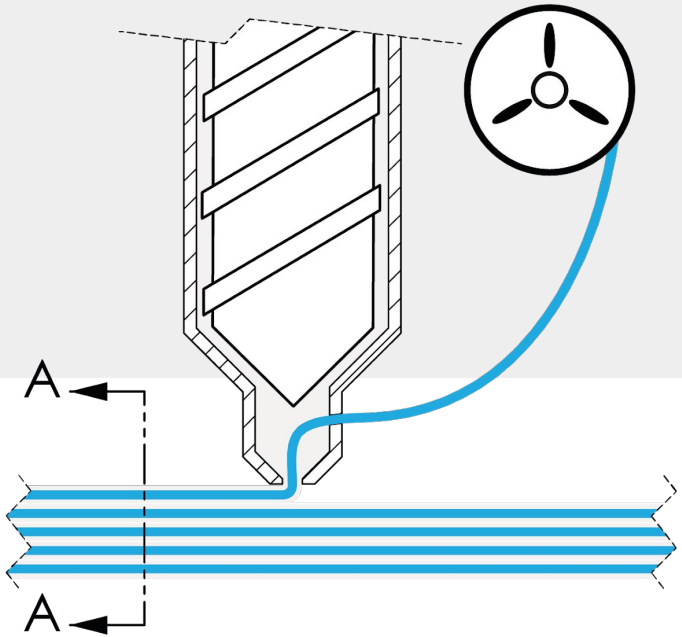
Virtually all thermoplastics are possible.

Both continuous glass- and carbon fibre.

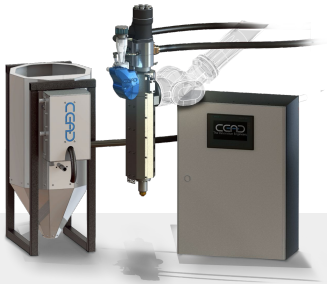
Patented technology and unique worldwide.

High production output, at least 15 kg/hr.



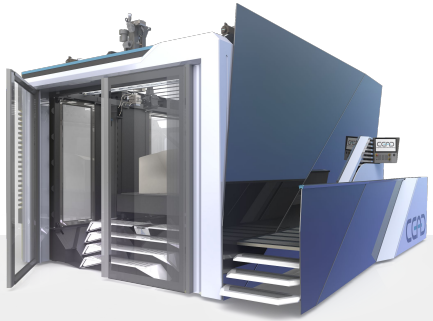


Solutions



Technology components
Used by integrators and clients for specific applications.

Custom solutions
Solutions specific to clients needs.



Production systems
High speed and reliable production solutions.

Robot Extruder

Unique lightweight design.

Material storage, material transport, dryer and controls unit integrated.

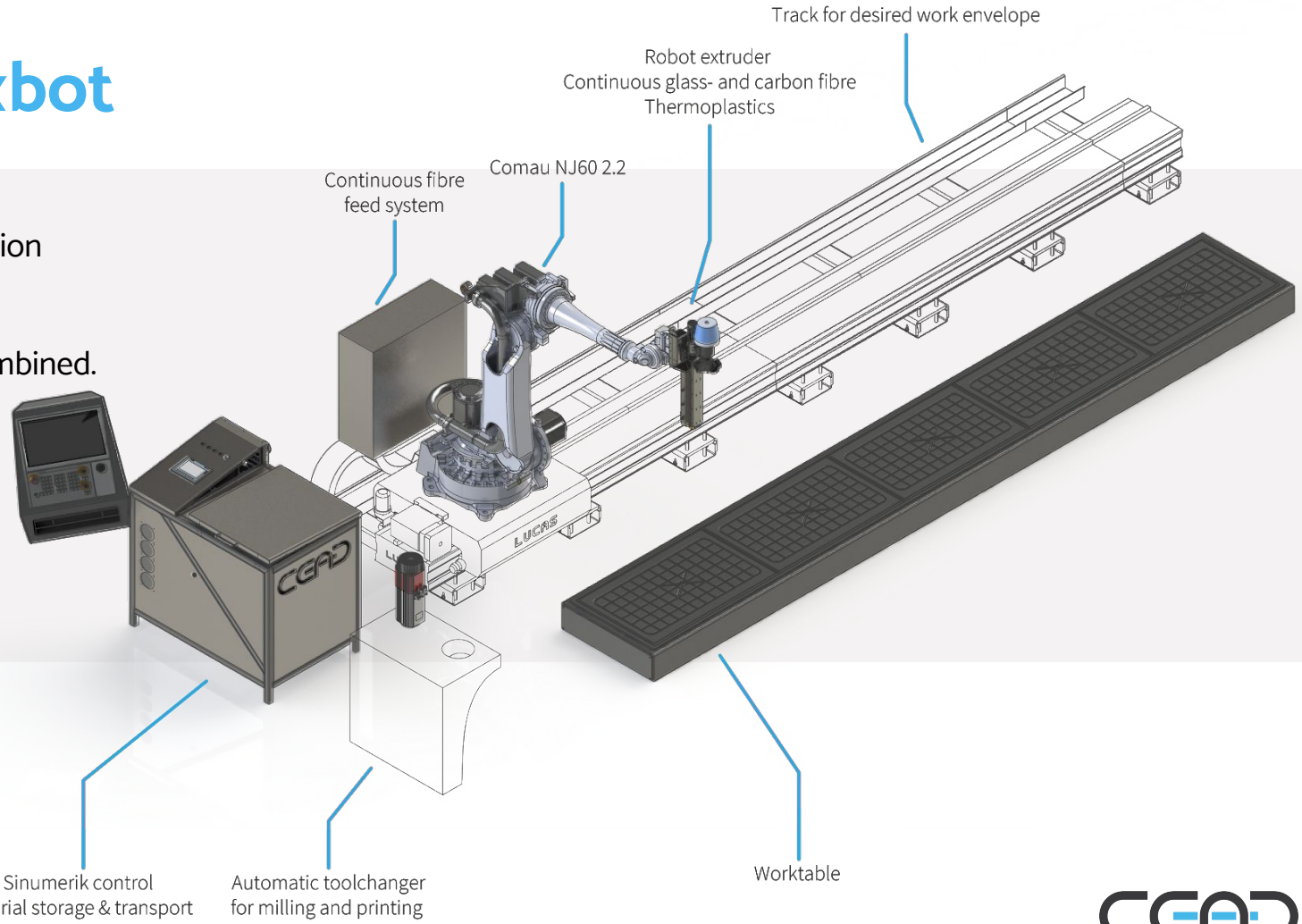
Complete system to convert your Robot arm of Cartesian system in an 3D printer.

CFAM Flexbot

Unique and patented continuous fibre extrusion technology.

Milling and printing combined.

Flexible system, upgrade possibilities.



CFAM Prime

Unique and patented continuous fibre extrusion technology.

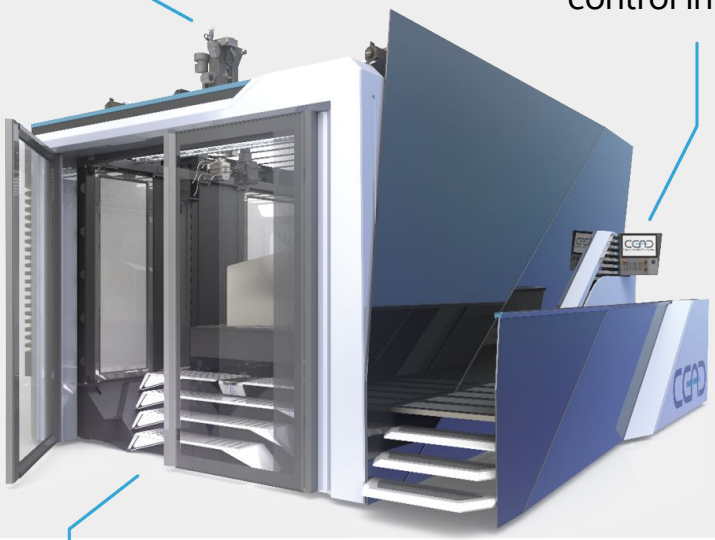
Biggest commercial 3D printer in Europe.

Complete system dedicated for production purposes.

8 months non-stop operation without malfunctions.

Granules extrusion
15 kg/hr output
Continuous glass- and carbon fibre

Siemens Sinumerik
control interface



Large format printing
Closed loop temperature control
Swift removal print object


CEAD is your partner for implementing 3D printing in your production process

Industries

Maritime

Building & Infrastructure

Aerospace

Automotive

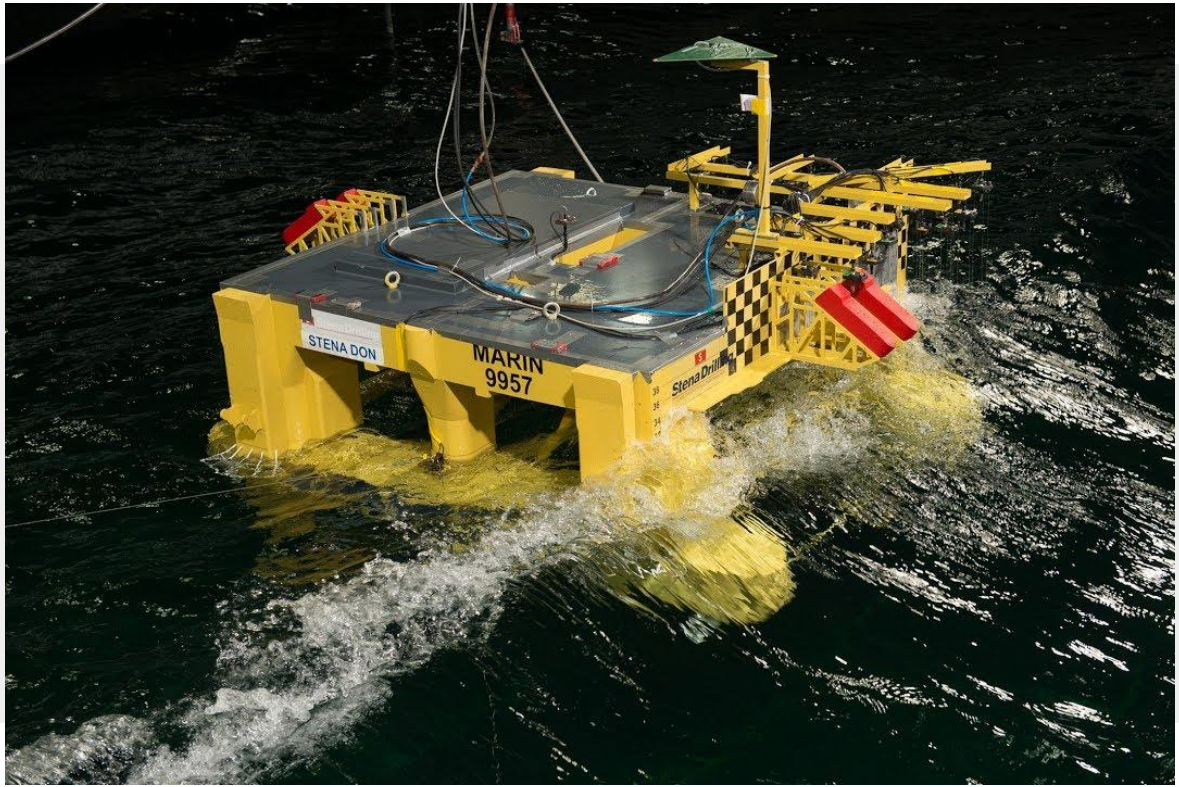
Facade cladding

Building & Infrastructure

Navigation consoles

Maritime

Models



Maritime

Rail transportation

Building & Infrastructure

Moulds & Tooling

Aerospace

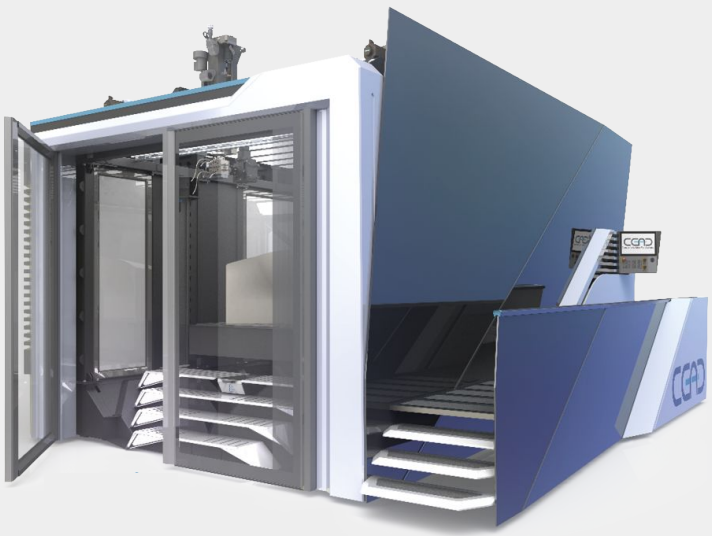

CEAD

Invitation

7 Nov. ‘19 @ Poly Products B.V. Werkendam, NL.

Morning session: Reveal and application session around the CFAM Prime.

Design contest: Send in your 3D printable designs and win!



Air ducts for buildings

Building & Infrastructure

Crane cabins

Building & Infrastructure

Maarten Logtenberg, Executive Director

At the age of 18 build his first 3D printer.

Tim van der Gaag, Innovation Engineer

Experience with different 3D printing technologies, desktop 3D printers and large scale industry systems.

Lucas Janssen, Operations Director

9 years of 3D printing experience.

CEAD's ambition is to reduce riskful- and expensive process steps in your production by delivering CFAM technology solutions.

Materials

UV-resistance	Excellent	Good	Fair	Poor
Price	Tens of years	Years	Months	Weeks
High (10+)	PEEK PAI	PBI		
Medium (2-10,-)	PVDF	ASA PPS PBT PLA	UP PA PC EP PE PET	ABS PP
Low (<2)			PETG	

Flammability	Non-Flammable	Self extinguishing	Slow burning	Highly flammable
Price				
High (10+)	PBI	PEEK PAI		
Medium (2-10,-)	PTFE	PPS PVDF	EP PA PC PBT PE PET	ABS UP PLA POM PP PET
Low (<2)			PETG	PETG PE

Salt water resistance	Excellent	Acceptable	Limited use	Unacceptable
Price				
High (10+)	PEEK PAI	PBI		
Medium (2-10,-)	ABS PPS PA EP POM UP	PLA		
Low (<2)	PE PET PP PETG			