



RE-SHAPING MANUFACTURING

3 LIMITS OF CURRENT SUPPLY CHAIN

1

**GLOBAL WARMING
AND POLLUTION**

CO² emissions due to SHIPPINGS
7% of global co² in 2018

2

**MASS OBSOLETE DELOCALIZED
PRODUCTION**

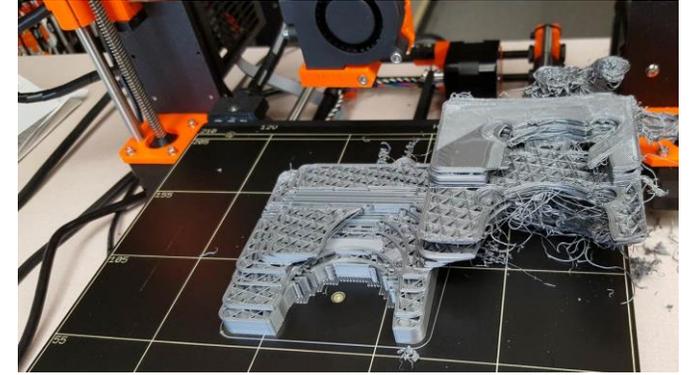
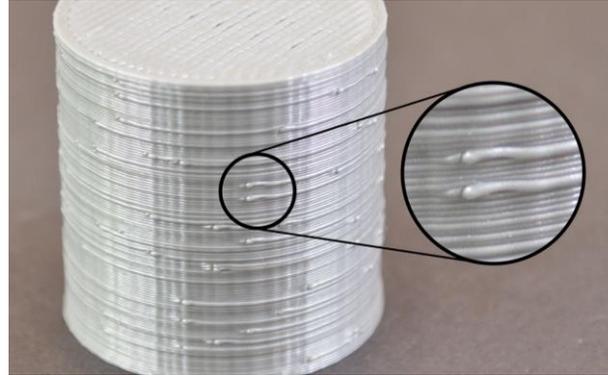
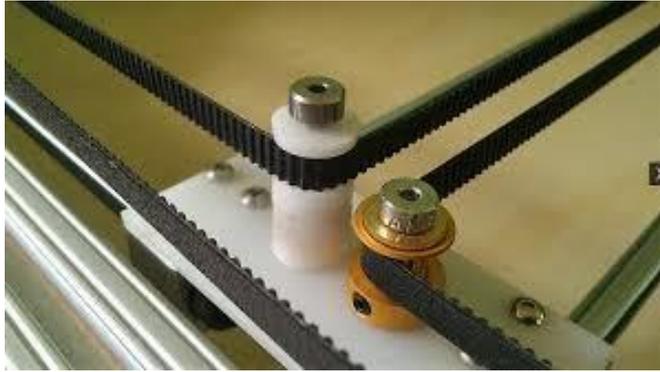
SHIPPINGS costs
\$1.49 trillion in 2017

3

**UNSUSTAINABILITY
OF STOCK BREAKS**

WAREHOUSING costs
€300 billion-year

3 DANGERS OF ADDITIVE MANUFACTURING



1
INACCURATE
Printing

2
BAD QUALITY
Of the materials

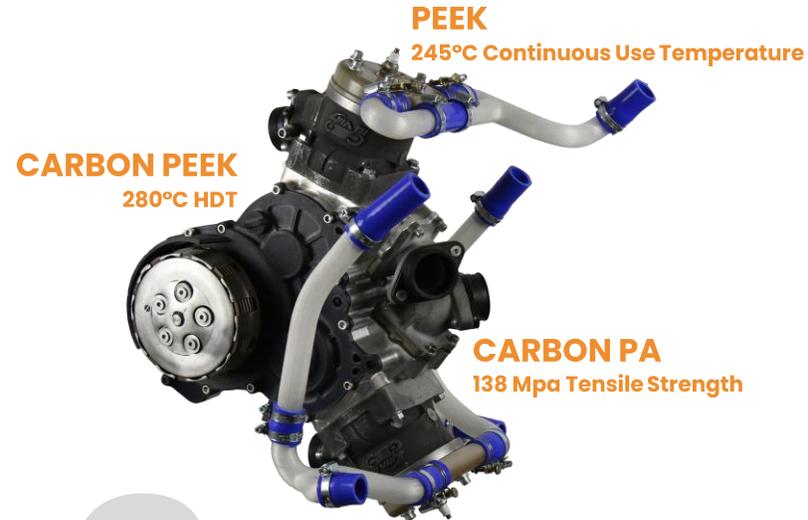
3
UNSTABLE AND NOT SCALABLE
Production Process

HOW ROBOZE HAS OVERCOME LIMITS



1 ACCURACY Printing

10 microns accuracy
With Roboze Beltless
6x more accuracy



2 HIGH PERFORMING Materials

Innovative controlled
3D printing process solution
Certified Metal Replacement



3 SCALABILITY Of the productions

Local Distributed Manufacturing
More than 50%
production costs saving

CURRENT 3D PRINTERS



PROFESSIONAL SERIES

The most affordable way to get high performing components



ROBOZE ONE XTREME – ONE+400 XTREME

Extreme performances for the production of **finished components** and **metal replacement parts**

PRODUCTION SERIES

Flexible additive manufacturing systems for large-scale and high performance parts



ROBOZE ARGO 350 – ARGO 500

Extreme performances for the production of **finished components** and **metal replacement parts**

REVOLUTIONARY TECHNOLOGY and **SCALABLE** business models



ROBOZE 3D PRINTERS

Process accuracy & repeatability thanks to Roboze patented beltless technology



ROBOZE 3D PARTS

Global production scalability thanks to Roboze 3D Parts production network for just in time, on demand and local manufacturing



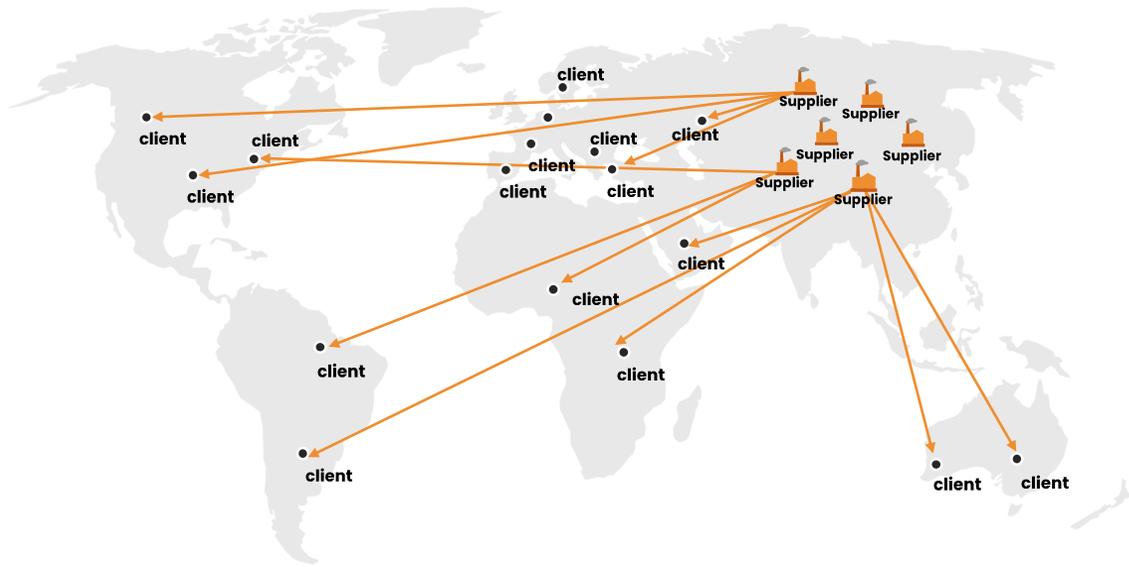
ROBOZE 3D MATERIALS

The most performing metal replacement super polymers, processed in a stable technology ecosystem

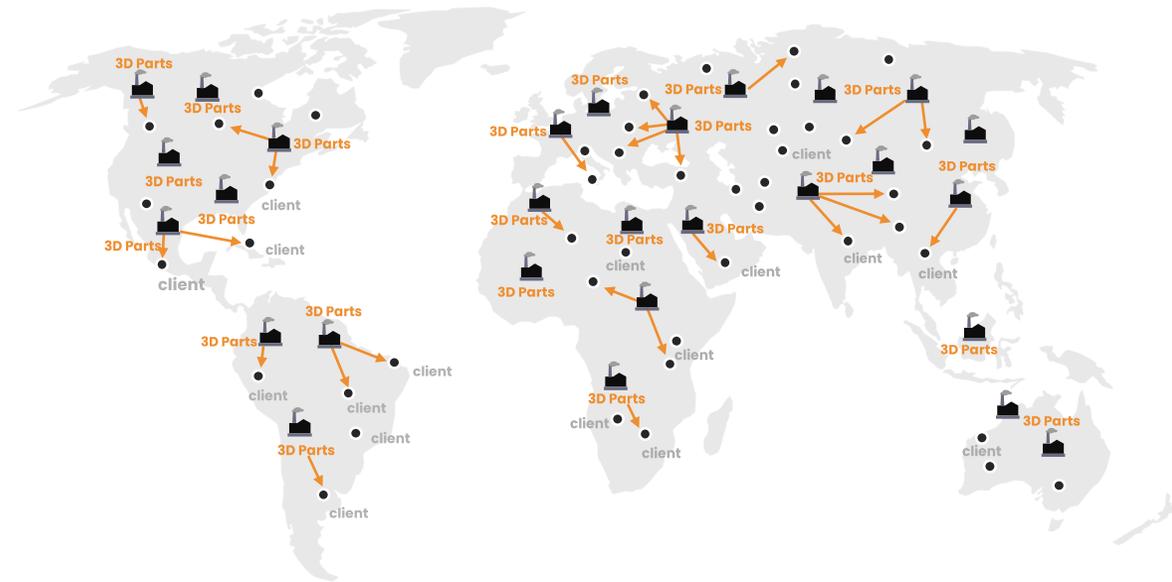


ROBOZE

FROM DELOCALIZED OBSOLETE MASS PRODUCTION



TO ROBOZE DISTRIBUTED CUSTOMIZED PRODUCTION



PRODUCTION RE-SHORING PLATFORM

TRUSTED BY WORLD INDUSTRY LEADERS



Through its technology and vision, Roboze has become a supplier and partner of top players within highly innovative and technological industries.



OIL & GAS
COMPANY

OIL&GAS

Baker Hughes uses Roboze technology to produce essential spare parts just in time and on demand

- Reduced Costs & Lead Times
- Mechanical performance on par with traditional manufacturing
- Good Chemical Resistance
- High Dimensional Accuracy
- On Demand Production, stock elimination

70% lead time reduction

>50% costs saving



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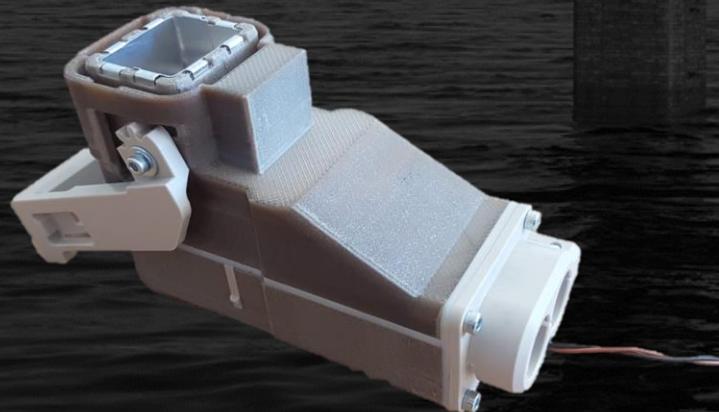
ELECTRICAL MOBILITY

Bosch uses several Roboze 3D Printers to print a variety of parts, including complex HV (High Voltage) connectors for electric vehicles

- Functional end-use part
- Complex Geometries
- Excellent dielectric properties
- High Dimensional Accuracy

>70% costs saving

20,000 coupling and uncoupling cycles per year



LEONARDO
AEROSTRUCTURES

AVIATION

Leonardo Aerostructures, leading Italian aerospace company, uses Roboze technology to print metal replacement moulds for carbon fiber hand lay up process.

- On demand and just in time production
- Process internalization
- From 3 weeks to 24 hours production
- Metal Replacement opportunities

60% weight reduction

>60% costs saving



SPACE ROCKET COMPANY

SPACE

The world leader Rocket space company uses Roboze technology for the production of next generation lighter but stronger rocket components

- Weight reduction and payload optimization
- Acceleration of development phases
- Reduced maintenance interventions
- Certified materials compliant with Purpose of use

50% weight reduction per part

30% less maintenance



CNH IVECO INDUSTRIAL

MANUFACTURING

CNH industrial uses Roboze 3D Printers and super polymers to produce functional Jigs&Fixtures to save time and costs for a more efficient assembly process.

- Jigs&Fixtures production
- Reduction of design errors
- Production costs and time reduction
- Versatility and high precision

>90% reduction of supply chain's time and costs

Internalization of tool supply processes



MOTORSPORT COMPANY

MOTORSPORT

One of the best player in the Motorsport Industry uses several Roboze 3D Printers and super polymers to print durable and strong end-use parts on track

- Functional end-use part
- Complex Geometries
- Excellent dielectric properties
- High Dimensional Accuracy
- Last minute parts production

97% reduction of time from design to validated functional part

up to 2.5 Kg saved on the vehicle



Thank you for your attention.

Get ready to Print Strong Like Metal!

**Request your 3D Parts,
on demand**

3dparts@roboze.com



Roboze

roboze.com

**Get a Roboze 3D Printer
in your shopfloor**

info@roboze.com

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