



AVENCO 3D

Large-Scale Additive
Manufacturing Solutions



ROBOTIC PRINTERS

Mobility

Linear Robotic Printers offer a large print area on linear rails, allowing the print head to move freely along the x, y, and z axes. This enables larger and more complex production processes.

Print Area

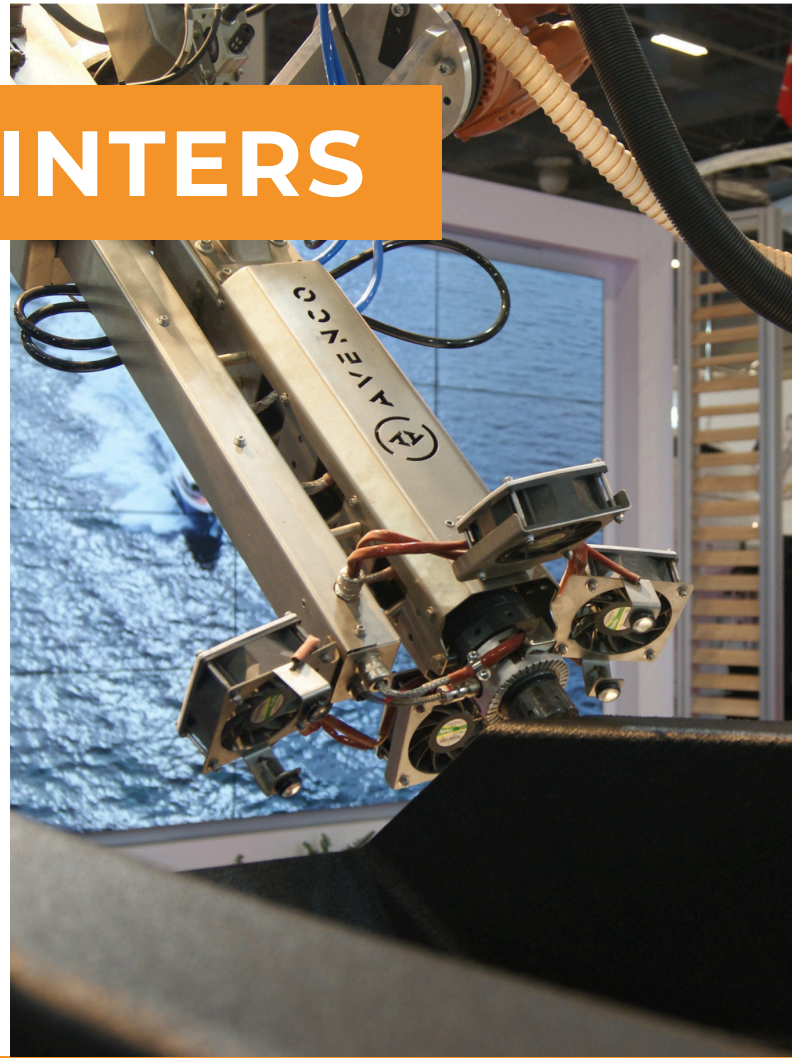
Linear Robotic Printers, with their large print volume, are ideal for the production of large parts. Their movable structures make it possible to print complex shapes with ease.

Flexibility

Linear Robotic Printers offer flexible production solutions by working with various materials and geometries, thanks to the free movement capability of the print head.

Precision and Repeatability

Linear Robotic Printers provide high precision and repeatability over large areas. This accuracy enables the reliable production of prints with fine details.



Linear Axis added Robotic Printer

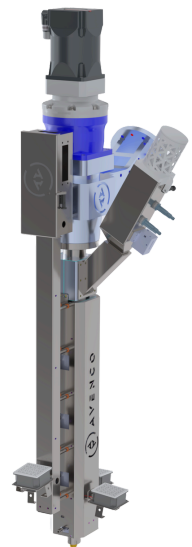
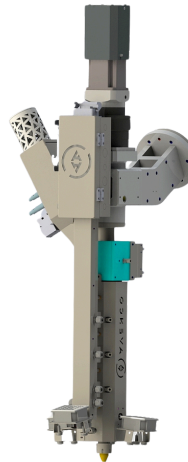
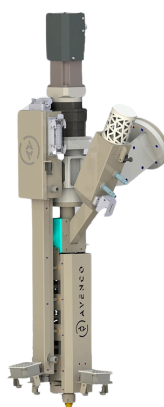
AVEX Series

Next Generation Thermoplastic 3D Printers

AVEX10

AVEX20

AVEX32



450°C Max
Temperature



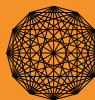
High Productivity
With GF/CF
Reinforced Polymers



Long-Term
Operation



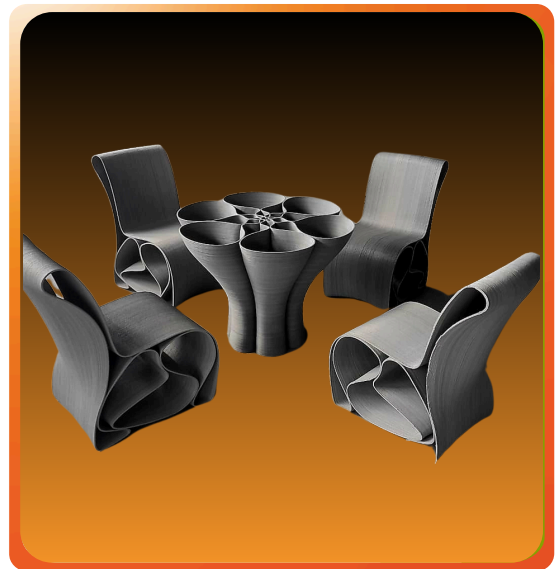
Multi Angular
Printing



Compatibility With
Complex Structures



RAW MATERIALS



PLA

Polylactic Acid

PC

Polycarbonate

ABS

**Acrylonitrile
Butadiene Styrene**

PA

Polyamide

TPU

**Thermoplastic
Polyurethane**

PESU

Polyethersulfone

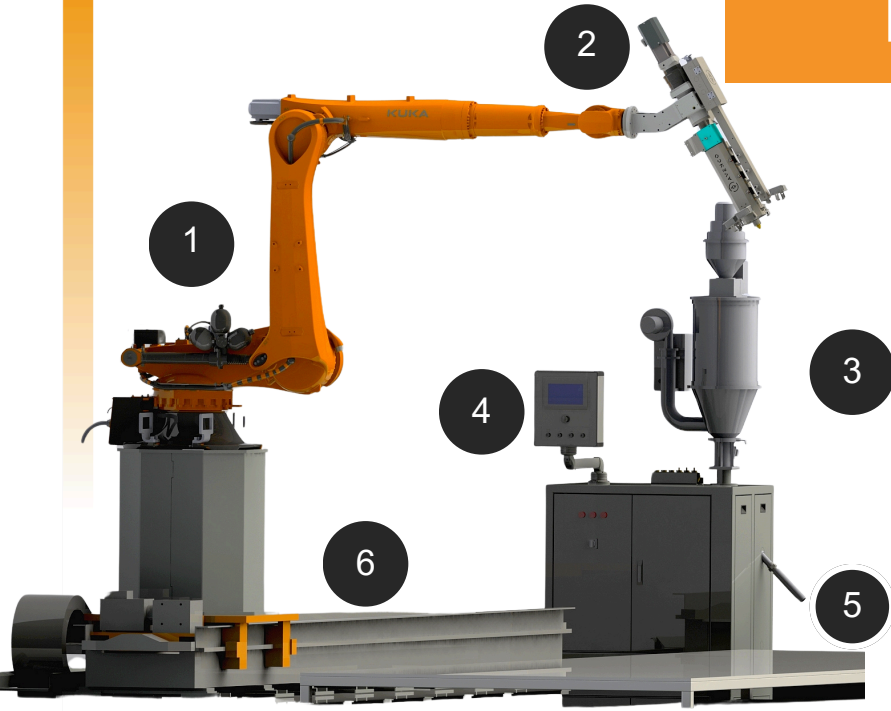
PP

Polipropilen

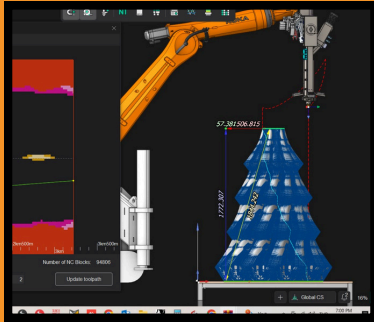
PETG

**Polyethylene
Terephthalate Glycol**

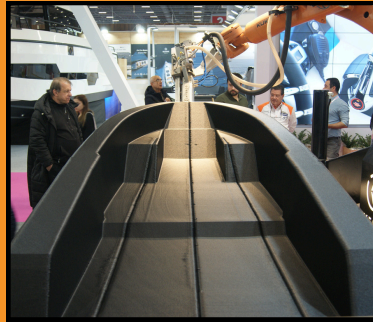
DESIGN



1. KUKA ROBOT
2. AVEX SERIES
3. DRYER
4. CONTROL PANEL
5. PRINTING TABLE
6. SLIDER (3-30 m)



CAM



Operation



Support

ency
Go Beyond CAD/CAM

KUKA

Official System
Partner

BECKHOFF
New Automation Technology

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