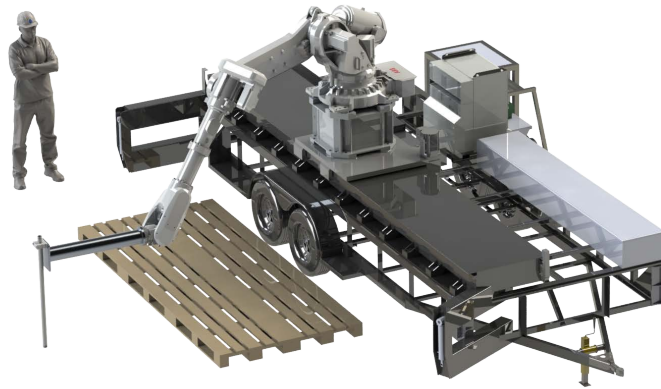


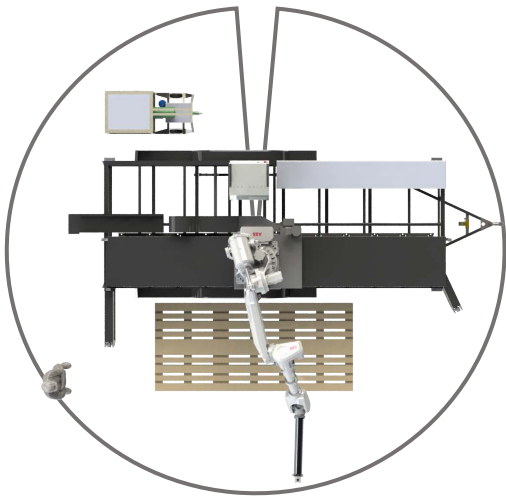
MEDIUM SIZE PRINTERS

TC05-R320 - TILIKUM



OVERVIEW

The TC05-320 Tilikum is a turnkey, industrial, mobile 7-axis 3D printing system on a 6 m flatbed trailer. The robotic arm has a total reach of 3.20m and it is placed on a linear track configurable with 4.7-14.7m travel. This printer is able to travel to remote locations and operate in-situ. It is suitable for the production of small and medium parts.



THE TWENTE PROMISE

Twente Additive Manufacturing includes installation with the purchase of its systems and offers guarantees on its new systems for 24 months after installation. TAM also includes 1 year of remote technical support online. Our customer-centric service approach ensures a positive experience for all of our customers.

TECHNICAL CHARACTERISTICS

MECHANICAL	
Robot Reach (m)	3.20
Robot Weight (kg)	1280
Maximum Print Speed (mm / s)	300
Available Nozzle Sizes (Dia - mm)	12-40
Nominal Bead Ratio	3:01
Approx. Min-Max Bead Width (mm)	20-68
Approx. Min-Max Layer Height (mm)	5-30
Min-Max Water Intake (PSIG) (Pounds per square inch)	30-60
ELECTRICAL	
Input Type	3~ 400/480V
Input Frequency (Hz)	50-60
CONTROLS	
Included Motion Control System	ABB IRC5
System language	RAPID CODE
SECURITY	
Integrated Emergency Stop Loops	Included
Barrières immatérielles et verrouillages supplémentaires	On request
SOFTWARE	
Basic Slicing Components	Included
Advanced Slicing Components	On request
SERVICES	
Commissioning Time	2 Business Days
Setup Time (In Normal use)	2 hr
Operator Training On-Site	Included

VALUE ADDED FEATURES

On-off pumping control, Variable flow control, 2-stage mixing chambers, semi-continuous mixing, HMI with data acquisition and logging, easy cleaning, flow-controlled water pump, optional dust extractor, optional material conveyor for automated material feeding