

3D METROLOGY

PORTICO 3D

3D Macromesure Station



- Cartesian Robot: 3 to 5 axis
- 3D Surface & Thickness measurement
- X Y Z Repeatability: From +/- 0.015 mm
- Contactless STIL ChromaPoint/Line Sensors
- From 300 x 300 x 100 mm to 2000 x 2000 x 500 mm
- High Scanning Speed : 40 mm/sec



STIL PORTICO 3D System measures 3D Surfaces & Dimensions on any surface reflectivity:

Transparent, opaque, diffusing or high reflective material.

STIL PORTICO 3D Original design is associated with the most convenient Chromatic Confocal STIL ChromaPoint & ChromaLine set-up

The STIL Contactless sensors are destinated to various applications and fields: Wind Turbine ; Blades ; Mirror ; Windshields...

A version is dedicated to stand-alone system and a version is customized to measure in process, according to local environment & industrial constraints.

Accuracy/resolution of STIL PORTICO GLASS system is from +/- 0.015 mm for high dimensions trajectories.

Programmable cycle time from few seconds in order to fulfill Industrial process constraints in line, near the line & in Lab use.



Automotive



Energy



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Aerospace



Mechanics



Shape

PERFECT FOR



Dimension



Thickness



Multilayer



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SPECIFICATIONS *

	PORTICO 3D	
Order code	ТВА	
Measurable parts overall dimensions (mm)	From 300 x 300 x 100 to 2000 x 2000 x 500	
Cercle time	Depends on the dimensions of the part and number/positions of th measuring points. Average scanning speed is 40 mm/s	
Measurements accuracy 3D	≤+/- 0,05 mm	

3D

COMPONENTS AND OPTIONS

НМІ	CARTESIAN ROBOT RACK	STANDARD CONFIGURATION	CARTESIAN ROBOT
Standard TOUCH SCREEN		STIL Chromatic Confocal Sensors	Axis Y Optional layout of 2 referses
Option Remote Screen Desk	Option SAFETY HUB for light Curtain/Laser Curtain		Axis X Option Axe 0 (1 or 2)
	Option SERVO VARIATOR (Axe X et 0)	Option CAMERA for visualization	Variable Axes Length X, Y, et Z
Option PAD			
Option SAFETY HUB for Light Curtain & Laser Curtain		STATION Options	
Light Curtain Laser Curtain Image: Curtain image: Cur		Motorized or Manual tilt Various Dimensions: 300 x 300 x 100 to 2000 x 2000 x 500mm	

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