VYLO

RAPTOR 3DX

Automated 3D Scanner with robotic platform

RAPTOR3DX HIGHLIGHTS

No Need for Fixtures
Patented SSS Technology elimated any usage of fixtures or clamps on your object

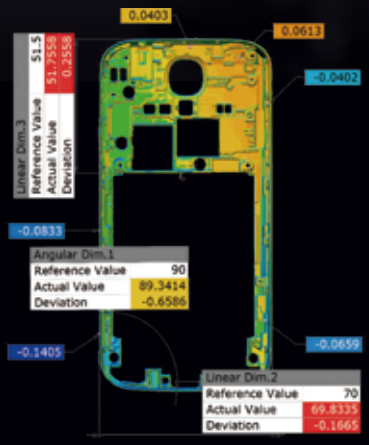
No Need for Scan Markers
Save working time by 3D scanning on the robotic platform

Interchangeable FOV
One unit covers from small to large objects

Enhanced Data Interface
Gigabit connection optimized for stability and performance

your object,

3D scan it.



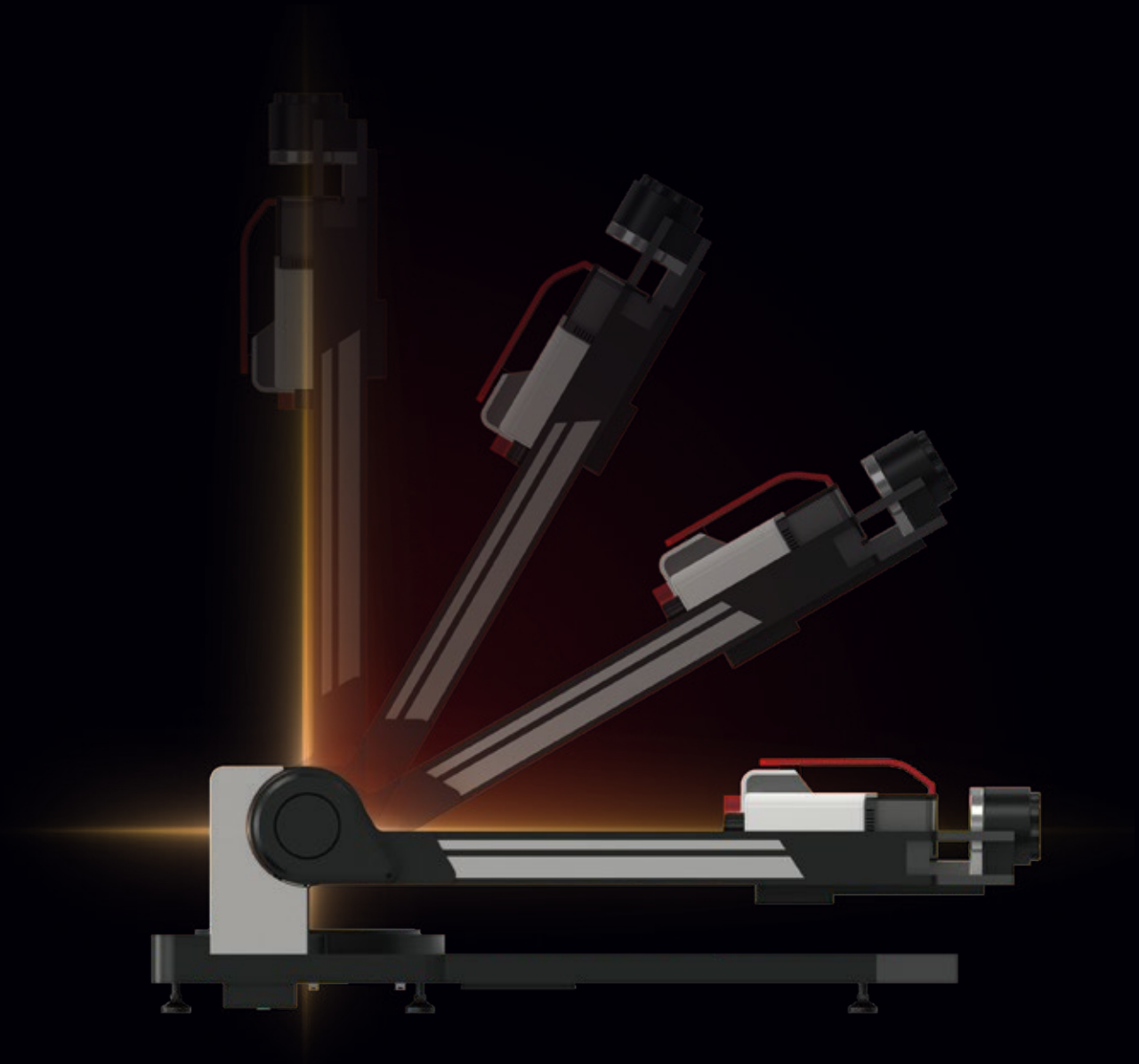
increase productivity.

now even more with the new

RAPTOR 3DX PRO

12.0 MP Sensor resolution
Premium optics
Multi-channel data transfer
Fully compatible with the robotic platform

High accuracy full-field 3D scanning system in its simplest form



Conventional systems require use of jigs or clamps to hold down objects, due to the nature of its mechanism. This pre-process is not only time consuming but may affect scan output result, if not done professionally.

Raptor3DX's robotic platform was carefuly engineered with our patented mechanism and completely eliminates needs for object fixation & scan markers, increasing work efficiency.

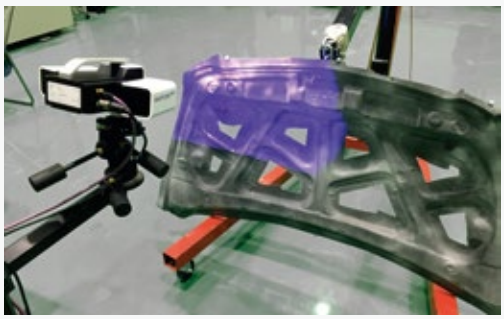
Raptor3DX is fully automated 3D digitizing solution for metrology and reverse engineering. Its proprietary robotic platform enables place-and-scan convenience, suitable for all levels of users.

Flexible Usability

When higher freedom of scanning is required Raptor3DX sensor can be detatched from the automation platform. Being able to capture large scan area per single shot can enable large-scale projects such moulds and BIW

Automatic Mode w/ the robotic platform

- Digitize your object at a click of a button Place-and-scan method
- No fixation object required
- No need for scan markers
- Proprietary platform enables 360° full field scanning



Manual Mode

- Interchangeable FOV (measure volume) by the user
- One unit covers from small to large objects
- One single scan covers objects sized 600mm in diameter
- Compatible with conventional studio stands & tripods

Raptor3DX Sensor

- Structured-light optical 3D scanner for high-precision 3D data
- Robust housing for rough environments
- Speckle-free LED light source for low noise level
- High bandwidth data interface

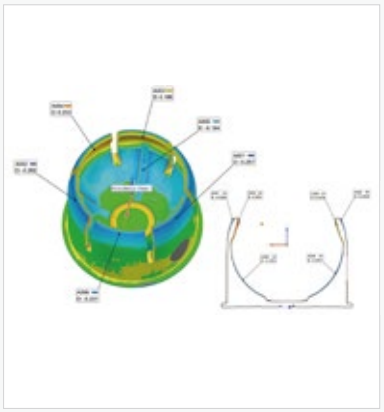
Compatible with third party inspection and reverse engineering software

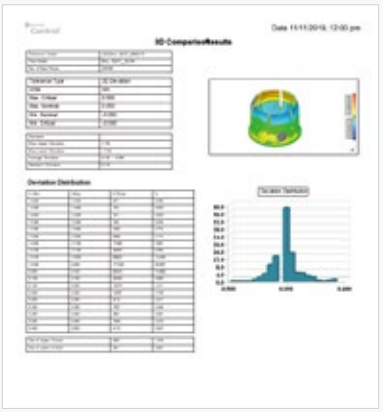
3DX Scan Software

- Controls Raptor3DX and is designed to work with Raptor3DX seamlessly
- Based on 64-bit architecture to handle heavy duty usage
- Easy UI for all levels of users
- Automatic alignment of scan datas
- Recovery mode helps you to recover your data from unexpected situation

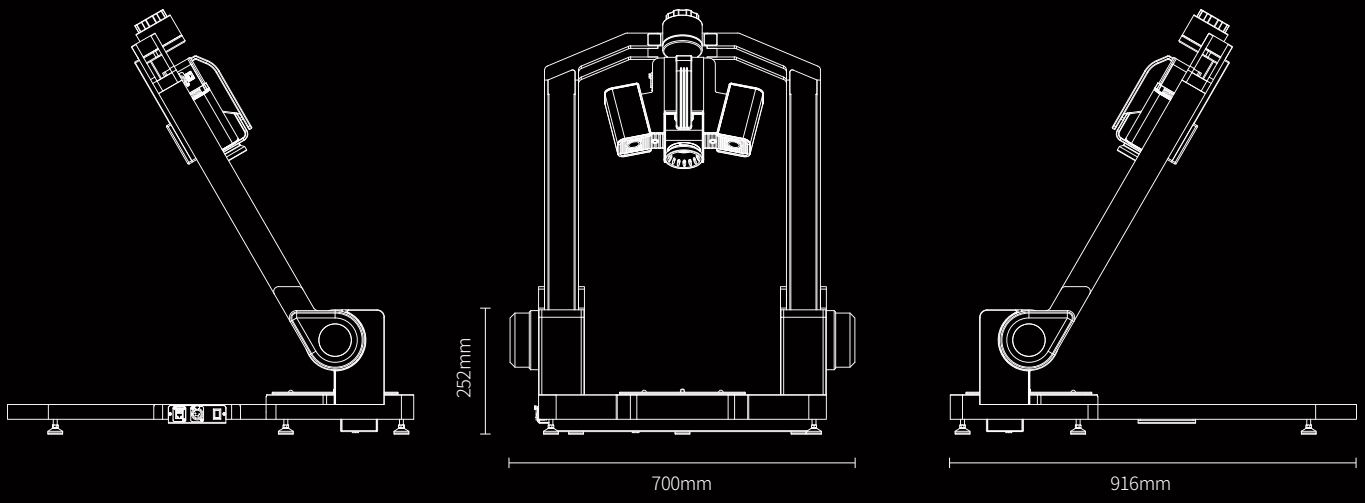
Enhancing Productivity by

· Quality Control





· Reverse Engineering



Specification

Product	Non-contact optical 3D scanner (stereo vision)							
	Essential			**Standard**			**Pro**	
Sensor Resolution	2 MP			5 MP			12 MP	
FOV	FOV 150	FOV 330	FOV 500	FOV 140	FOV 300	FOV 600	FOV 450	FOV 550
Scan Volume*(mm)	120 x 90 x 90	270 x 200 x 200	400 x 300 x 300	110 x 85 x 85	230 x 180 x 180	500 x 350 x 350	360 x 270 x 270	440 x 330 x 330
Point Distance(mm)	0.07	0.16	0.25	0.04	0.09	0.18	0.09	0.11

*Scan volume of one single shot

Working Distance	450 mm
Platform	SSS Technology applied 2 + 1 axis platform (360° rotation / 90° arm / ±45° sensor tilt)
Dimension	320 x 220 x 140 mm (sensor) / 700 x 916 x 252 mm (platform)
Weight	3.3kg (sensor) / 30kg (platform)
Data Output	Polygon mesh STL, OBJ
Input	DC 24V, 5A, 120W
Interface	Gigabit Ethernet (Multi-channel for Pro model)
O/S	Windows 10 (64-bit)

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