Precise | Flexible | Convenient

REXCAN 4

REXCON4

3D Measurement for speed and quality

01

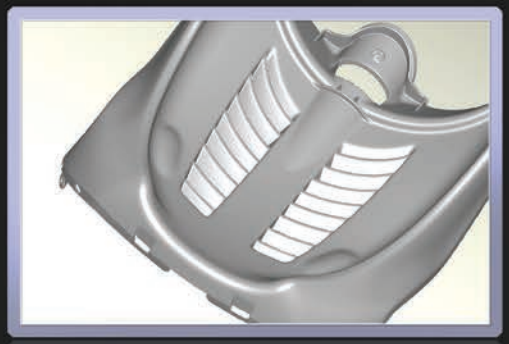
Precise | Flexible | Convenient

Based on a world-class 3D digitizing technology Solutionix has accumulated over the last decade, Rexcan4 brings the most value to customers through innovative developments.

Solutionix Rexcan4 white-light scanning technology will lead to a new era of 3D digitization with its increased precision, flexibility and convenience.

SOLUTIONIX

High Accuracy



More Detail

Less Noise

Rexcan4 uses phase-shifting optical triangulation technology
and employees high resolution twin CCD cameras to achieve high accuracy data,
realizing less than 10um surface noise and feature error.

No matter what the project scope is,
Rexcan4 guarantees the best possible result
whenever there is a need for high accuracy and reliability.

REXCAN4

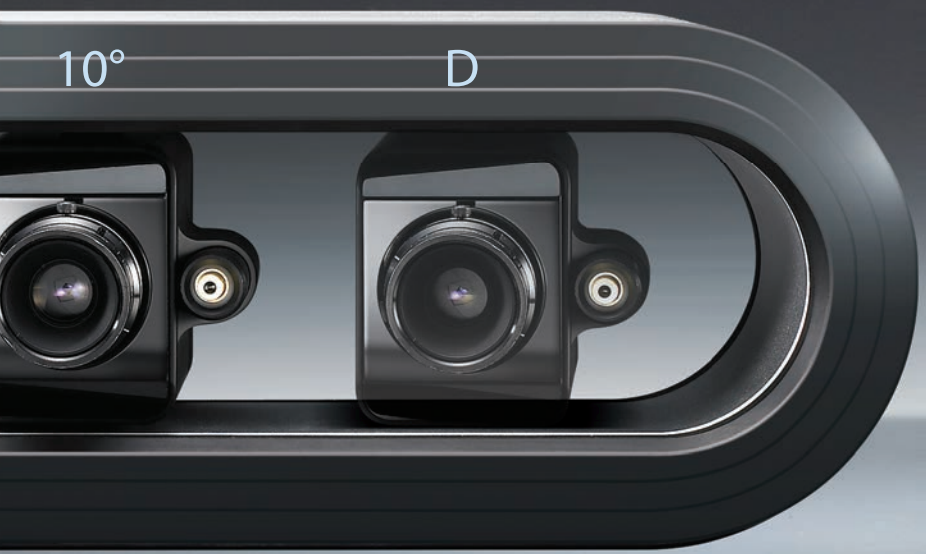
Triangulation angle : 25°

Triangulation angle : 10°

Flexible Scanning Angle

Rexcan4 has made scanning of deeper and narrower area on complex objects possible by adding a 10˚ triangulation angle with increased depth/diameter ratio.
Blind spots that had been difficult to scan only with the standard angle can be covered by 10˚ triangulation angle shots.


C
B
A



Flexible Scanning Area

Rexcan4 provides maximum of 24 scanning volumes, depending on object sizes.

With one set of lens provided with Rexcan4, users can obtain four scanning volumes by using different camera slots.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XENOPLAN 1:4/17-0S

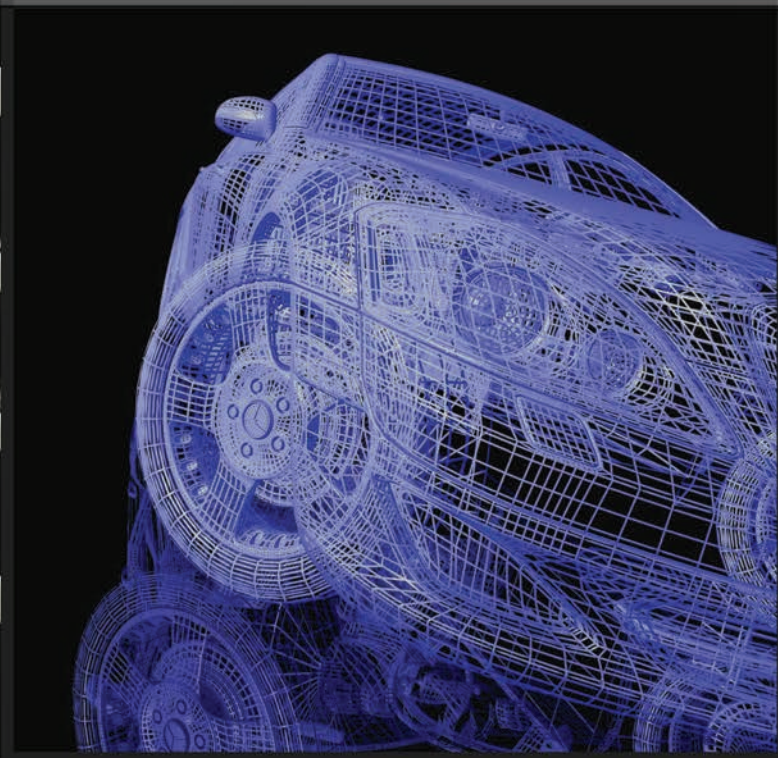
Fast and easy scanning process

Solutionix improved the single shot scan speed (~1 sec) as well as post processing speed dramatically, shortening overall scan time.

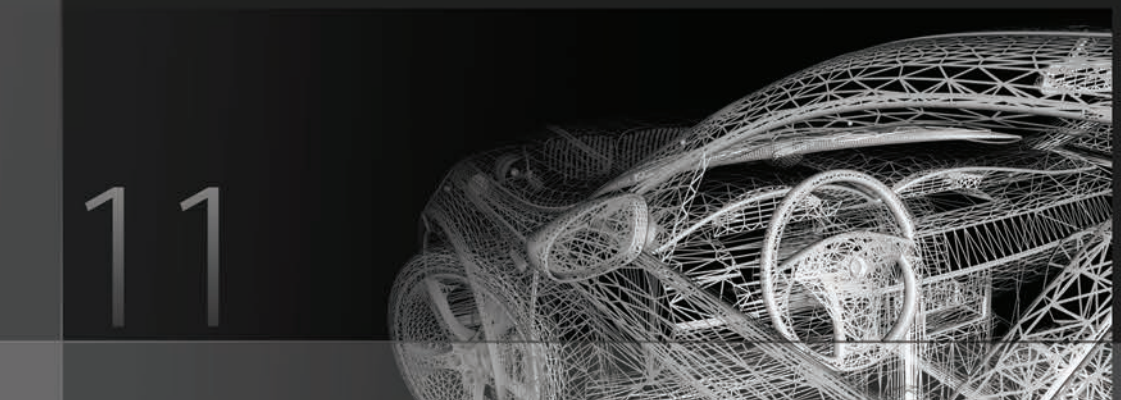
Rexcan4 scan preview function shows the next scan area ahead of time to help taking the next shot seamlessly. Even the inexperienced ones can easily obtain complete 3D data through the preview function.

Its fully customized software, ezScan, allows to work with large size data and is capable of handling hundreds of millions of data points.

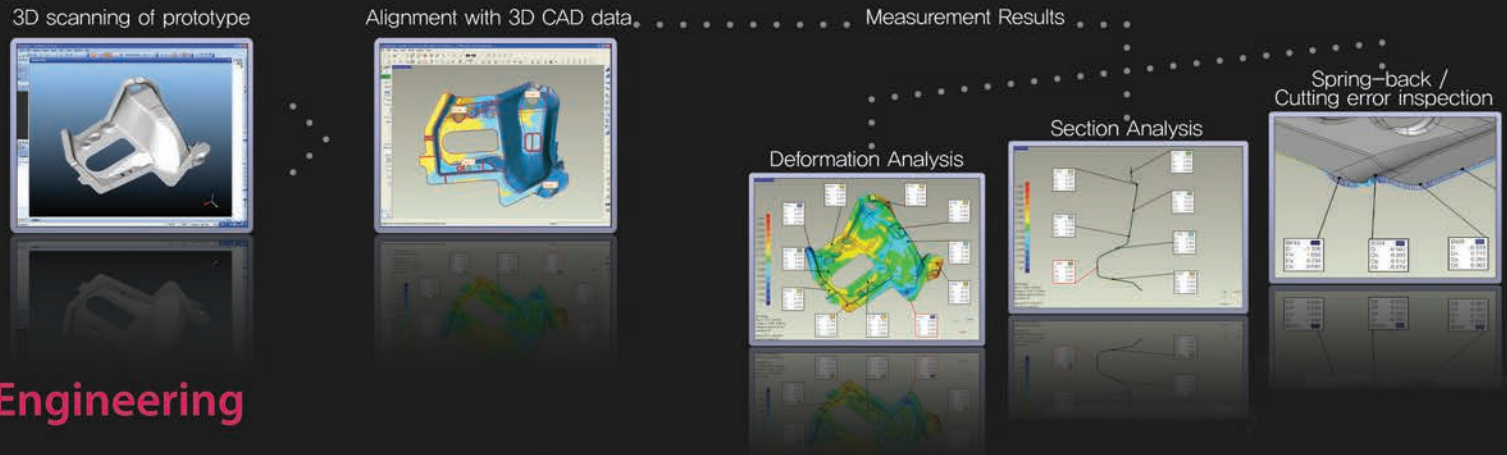
Through its advanced technology, Rexcan4 can help users easily measure objects that have different brightness level. From shiny to dark objects, Rexcan4 gets the measurement job done more conveniently.



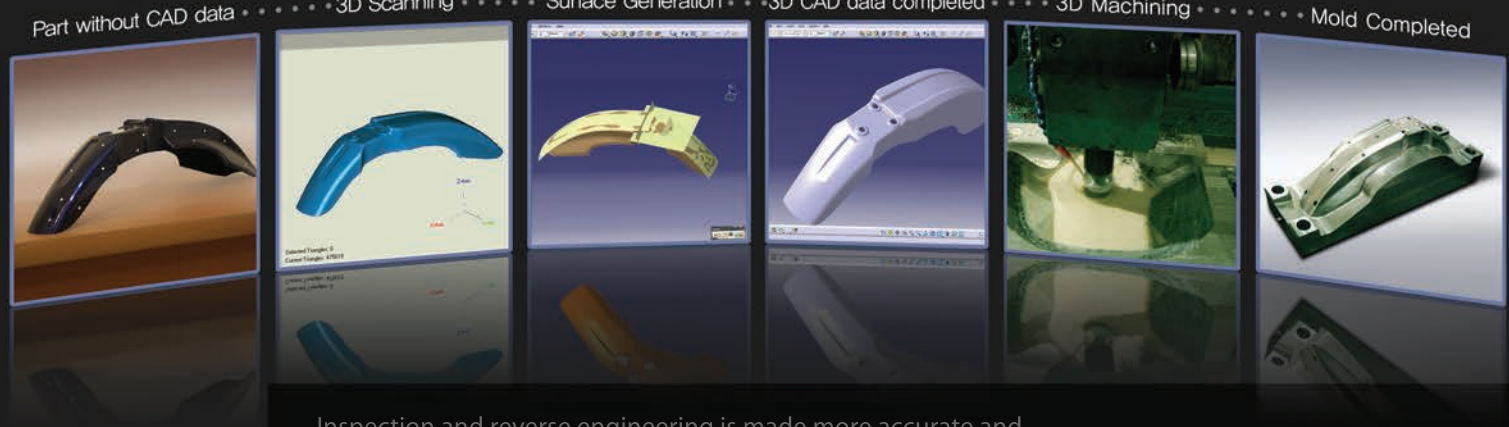
Providing high quality and easy-to-use 3D scanning solutions to the industry



Quality Inspection



Reverse Engineering



Inspection and reverse engineering is made more accurate and efficient using high precision data obtained from Rexcan4.
The scanned data can be directly compared with the original CAD data to identify deviation of prototype, thus improving quality and reducing development time.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Category	Description						
Scanning Principle	Phase-shifting optical triangulation, twin-camera						
Camera Resolution	2.0 mega pixel, 5.0 mega pixel, (1.4 mega pixel option)						
Scanning Area(diagonal) / Point spacing (Unit : mm)	5.0 Mega Pixel	50mm	35mm	23mm	17mm	12mm	8mm
	A	70 / 0.03	120 / 0.04	195 / 0.07	250 / 0.09	340 / 0.12	460 / 0.18
	B	125 / 0.05	195 / 0.07	310 / 0.11	395 / 0.14	525 / 0.18	730 / 0.28
	C	155 / 0.06	240 / 0.09	390 / 0.14	495 / 0.18	660 / 0.25	945 / 0.38
	D	270 / 0.09	405 / 0.14	640 / 0.21	815 / 0.27	1105 / 0.37	1545 / 0.57
	2.0 Mega Pixel	50mm	35mm	23mm	17mm	12mm	8mm
	A	55 / 0.04	95 / 0.05	160 / 0.09	200 / 0.11	265 / 0.15	410 / 0.23
	B	95 / 0.05	150 / 0.08	245 / 0.13	310 / 0.17	415 / 0.23	645 / 0.36
	C	135 / 0.08	205 / 0.11	285 / 0.17	430 / 0.23	580 / 0.31	880 / 0.48
	D	210 / 0.11	315 / 0.17	455 / 0.24	660 / 0.35	880 / 0.46	1335 / 0.71
Light Source	LED						
Scanning Distance	430 ~ 1330mm						
Triangulation Angle	10°, 25°						
Weight	5 kg						
O/S	window XP / Vista / 7						

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Ver. April 2012