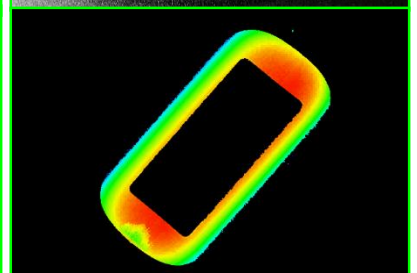
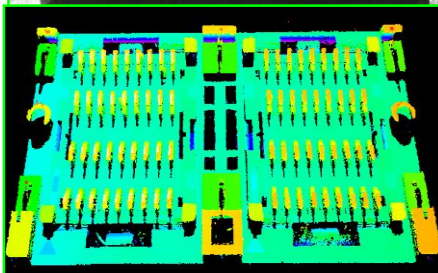
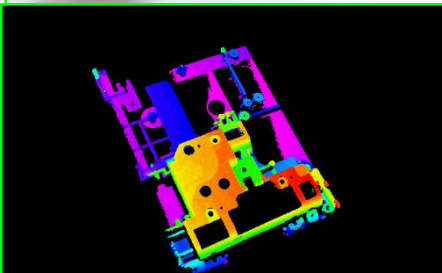
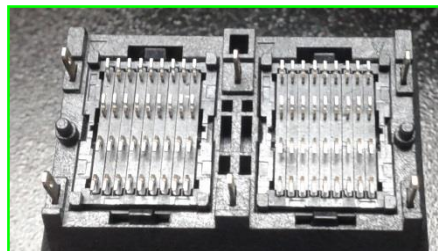
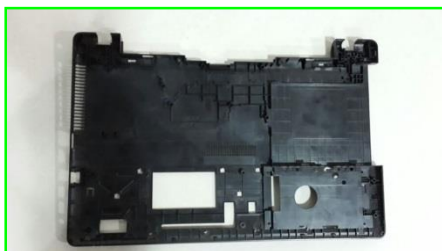
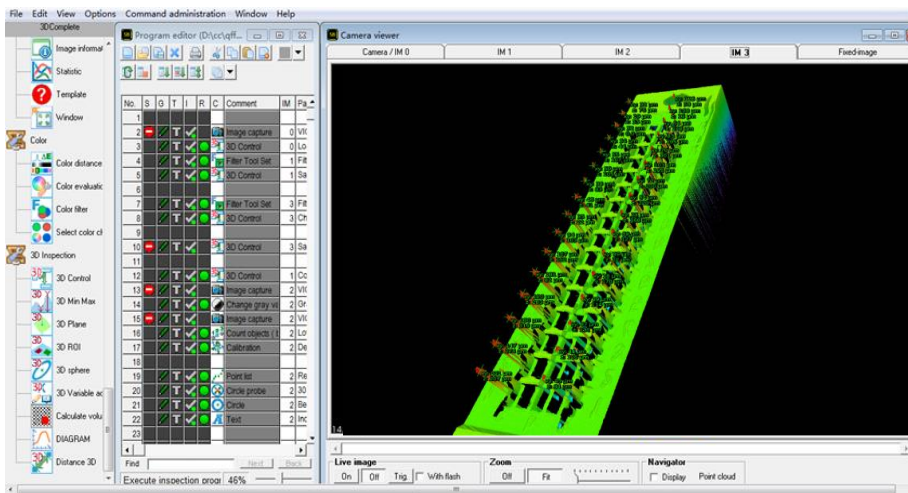


Creating Applications Basing on Your Production Requirement

SmartBuilder EVO3-3D image processing software has 3D commands to evaluate and measure the point cloud. The 3D commands are ready-to-use where user can drag and drop the function into the software to create the inspection program.

The selected 3D camera is a precise hardware where the laser triangulation sensor delivers 2048 points per profile in a time of 25000 profiles per second. The camera is following a laser line which projected onto the scanned object where several profiles are created that are used to make into a 3D images.

With the scanning by our 3D camera with SmartBuilder EVO3-3D software, the characteristic of a scanned object can be measured in the X, Y & Z direction.



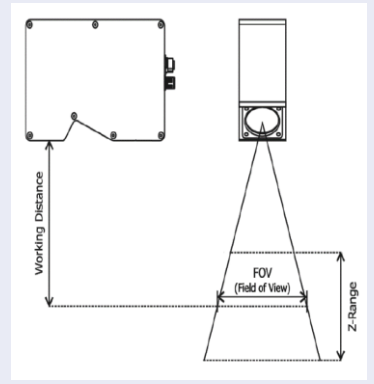
Flatness Check & Part Presence

Pin Height Measurement & Position Check

Flatness Check & Height Measurement

General Specification

Profile Speed	Up to 25000 HZ (Depending on the model)
Profile Resolution	4096 Points / Profile (Depending on the model)
Interface	GigE Vision / GenICam
Connector	M12
Protection Class	IP67 (Depending on the model)
Laser Safety Class	2M, 3R, 3B
Sensor Algorithm	MAX, TRSH, COG, FIR-PEAK
Digital I/Os	Opto-Isolated Inputs(2x) / Outputs(2x), Laser Safety, Trigger, Encoder(RS442)
Power Supply	24VDC
PC Requirement	Gigabit Ethernet NIC, Windows OS
Software Application	SmartBuilder EVO3 software



Model	FOV (mm)	Z-Range (mm)	Working Distance (mm)	Lateral Resolution (um)	Height Resolution (um)	Point per Profile	Housing Type
S605MG-020-30/0.14	12	6	52	5.5	0.14	2048	4
S605MG-013-30/0.7	30	40	106	19	0.7	1600	1
S605MG-020-38/0.7	38	40	106	19	0.7	2048	1
S605MG-013-49/1.2	49	40	106	31	1.2	1600	1
S605MG-020-63/1.2	63	40	106	31	1.2	2048	1
S605MG-040-67/0.5	67	15	172	20	0.5	3360	3
S605MG-013-78/1.9	78	40	106	49	1.9	1600	1
S605-MG-040-82/0.5	82	15	172	20	0.5	4096	3
S605MG-020-100/1.9	100	40	106	49	1.9	2048	1
S605MG-040-145/0.9	145	15	172	35	0.9	4096	3
S605MG-040-145/1.4	182	250	400	44	1.4	4096	2
S605MG-040-288/2.2	288	300	400	70	2.2	4096	2
S605MG-040-302/5	302	500	700	74	3.5	4096	2
S605MG-020-330/5	330	300	400	161	5	2048	2
S605MG-030-406/3.8	406	300	400	121	3.8	3360	2
S605MG-040-495/3.8	495	300	400	121	3.8	4096	2
S605MG-020-640/15	640	500	700	313	15	2048	2
S605MG-020-1015/25	1015	800	744	496	25	2048	2

