

Mech-Eye Laser L Industrial 3D Camera

Your ultimate 3D vision partner under ambient light

High Precision | Extended Field of View | Fast Acquisition | Stability and Reliability
Easy Integration | Competitive Price



Specification: ►

Optimal Scanning Range: 1500 - 3000 mm

Near FOV: 1500×1200 mm @ 1.5 m

Far FOV: 3000×2400 mm @ 3.0 m

Resolution: 2048×1536

Megapixels: 3.0 MP

Operating Temperature: -10-45 °C

Communication Interface: Ethernet

Laser Safety Level: Class 2(optional) / Class 3R(default)

API: SDK Core API. Support C++/C#/Python and ROS

Class: IP65

Accuracy: 1.0 mm @ 3 m

Z Repeatability (σ): 0.5 mm @ 3m

Typical Capture Time: 0.5-0.9 s

Dimensions: 459×89×145 mm

Weight: 3.7 kg

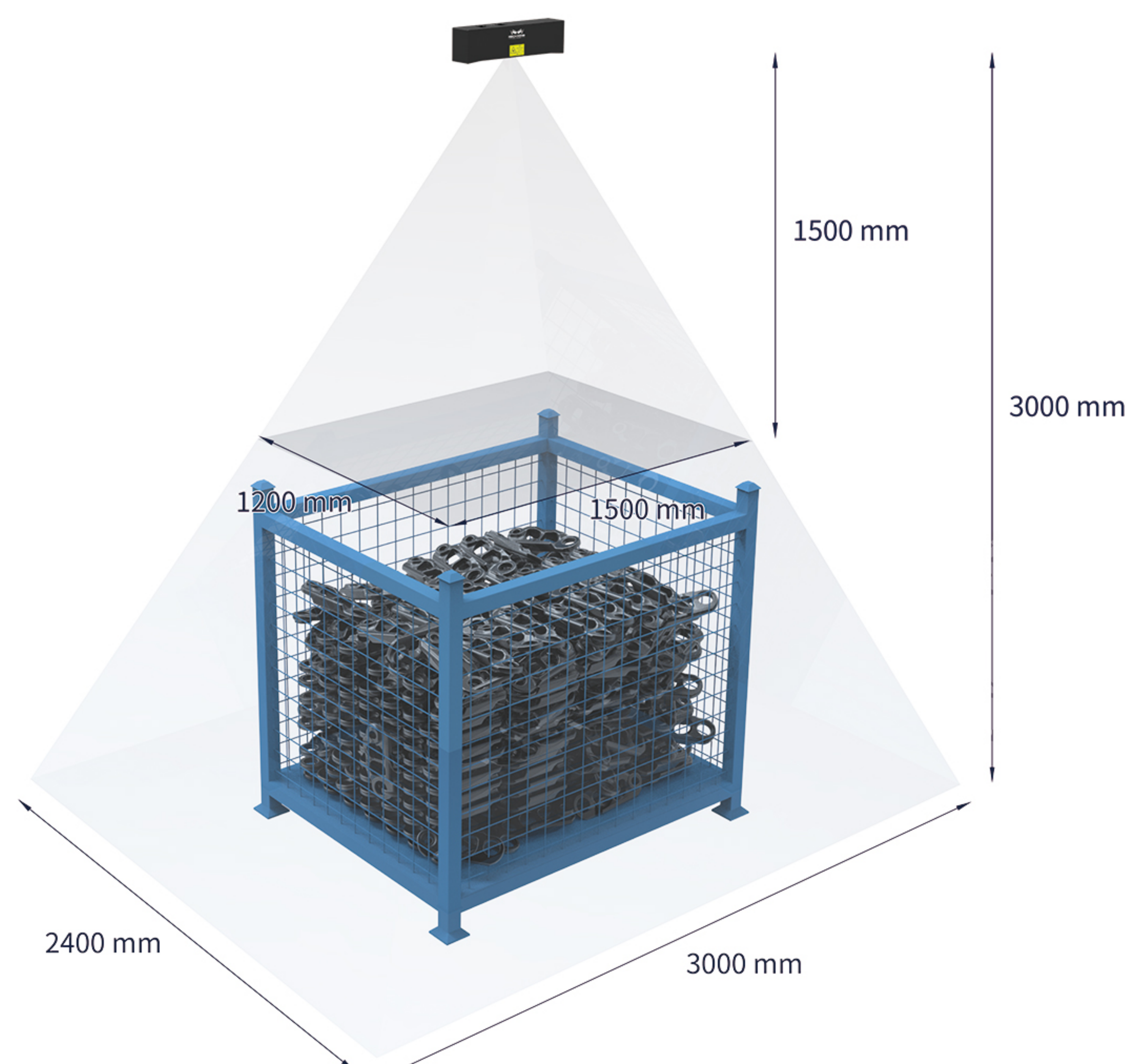
Baseline: 400 mm

Power Supply: 24V DC

Safety and EMC: CE/FCC/VCCI

Cooling: Passive

Field of View (mm) ►



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The Benchmark Test

Mech-Eye Laser V.S. other 3D cameras

Experiment in actual typical factory under demanding light (>15000lx)

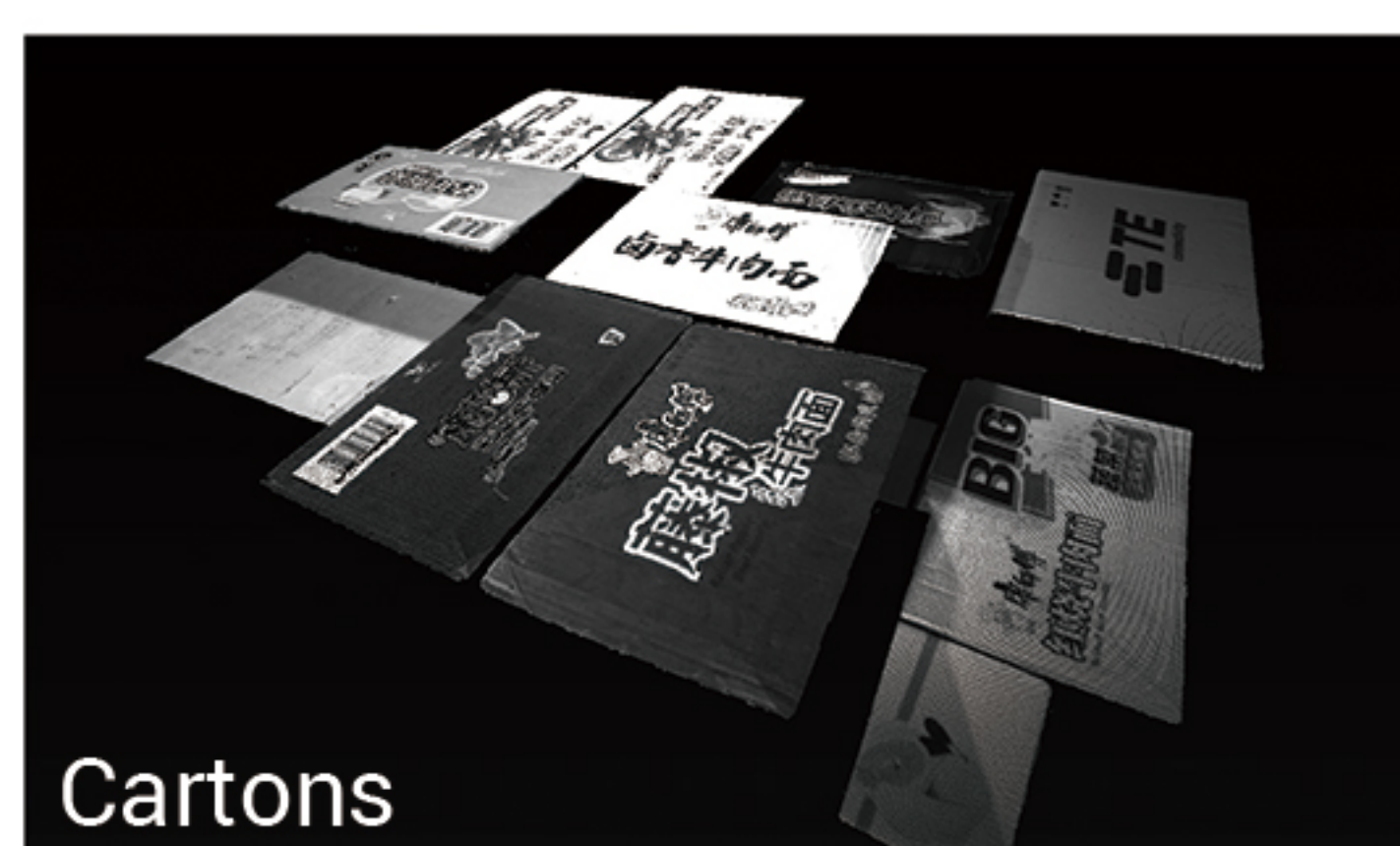
The anti-ambient light performance is related to the material of the object, and the imaging of strongly reflective objects is more sensitive to ambient light

Mech-Eye laser

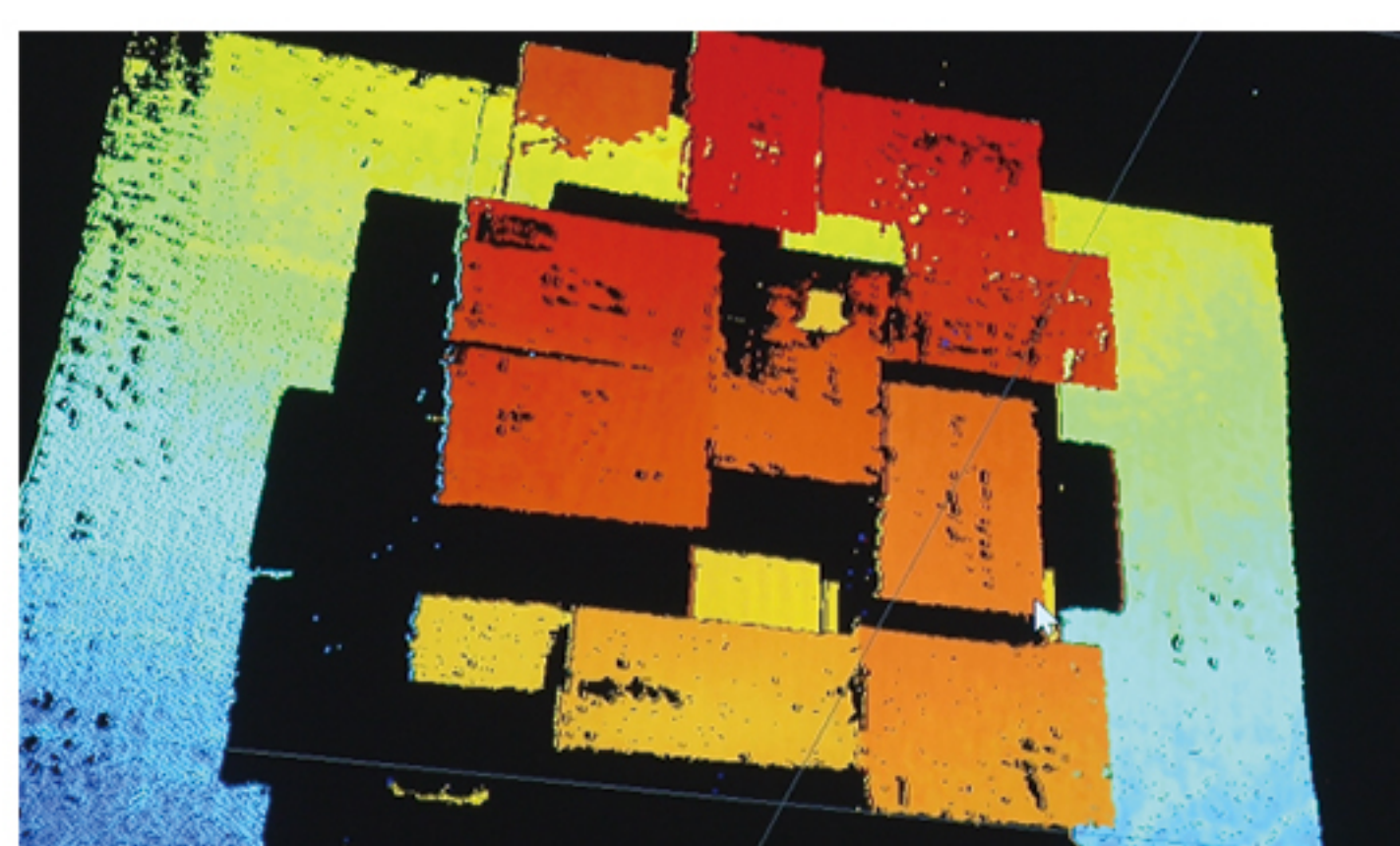
Typical 3D CameraA

Typical 3D CameraB

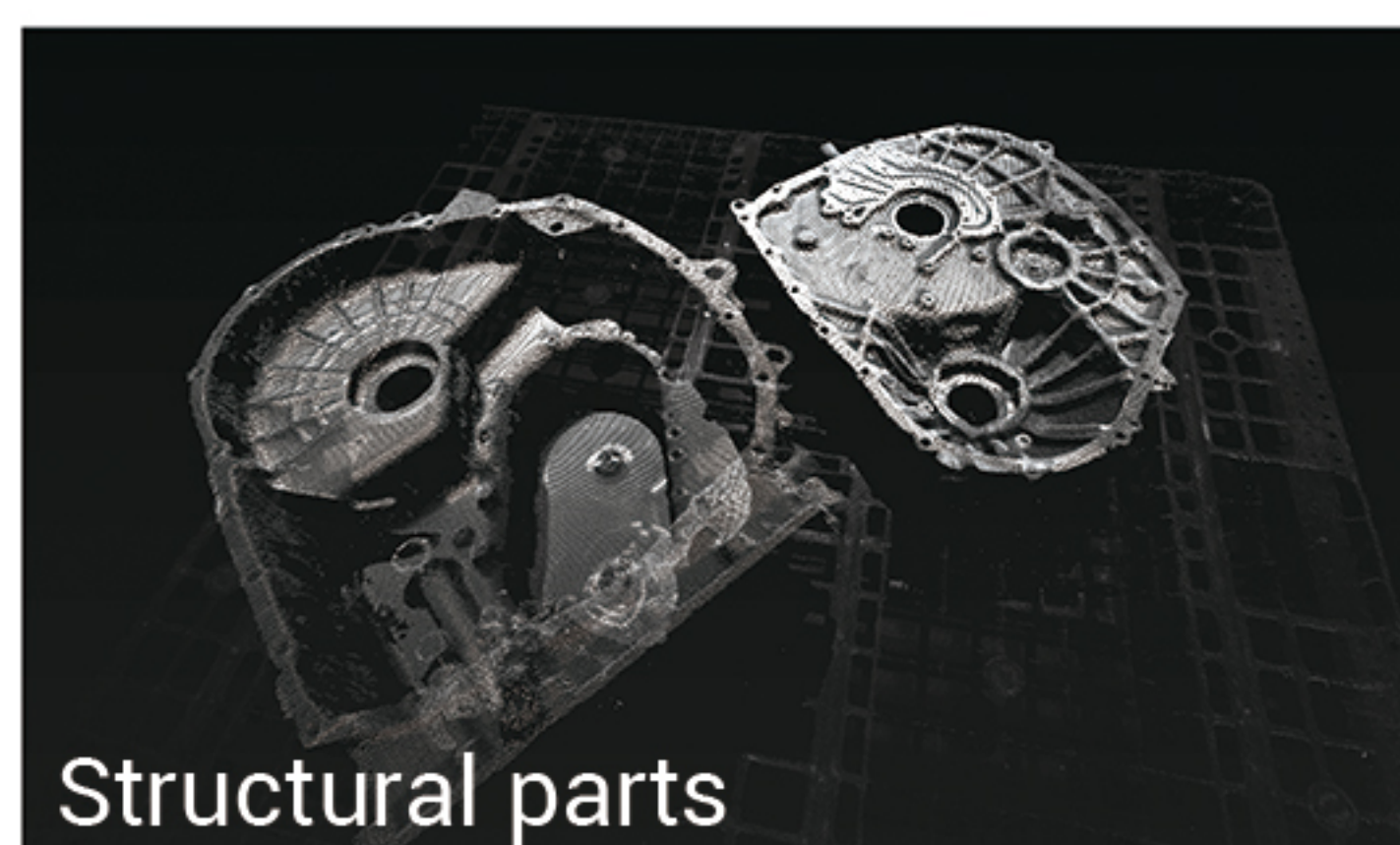
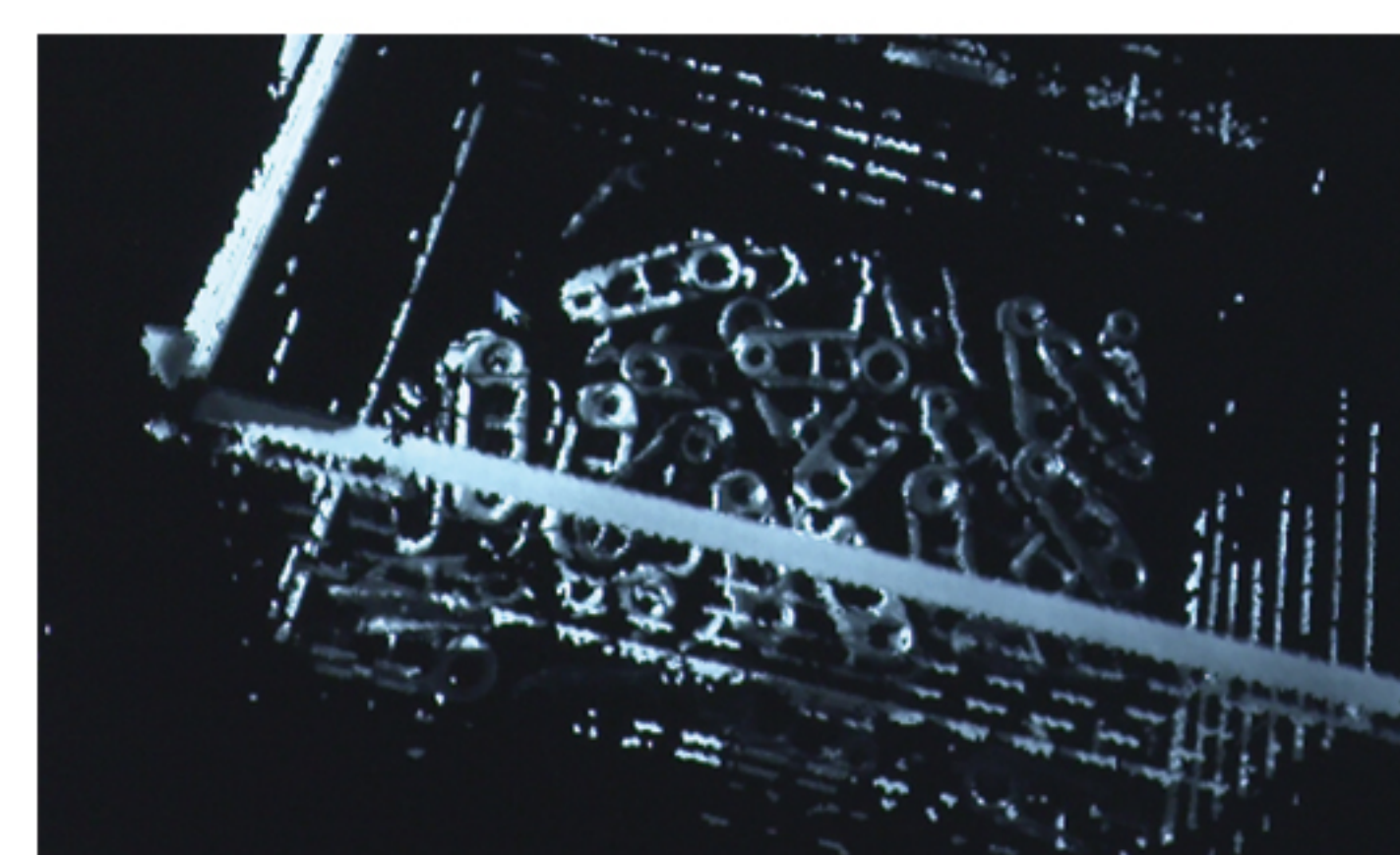
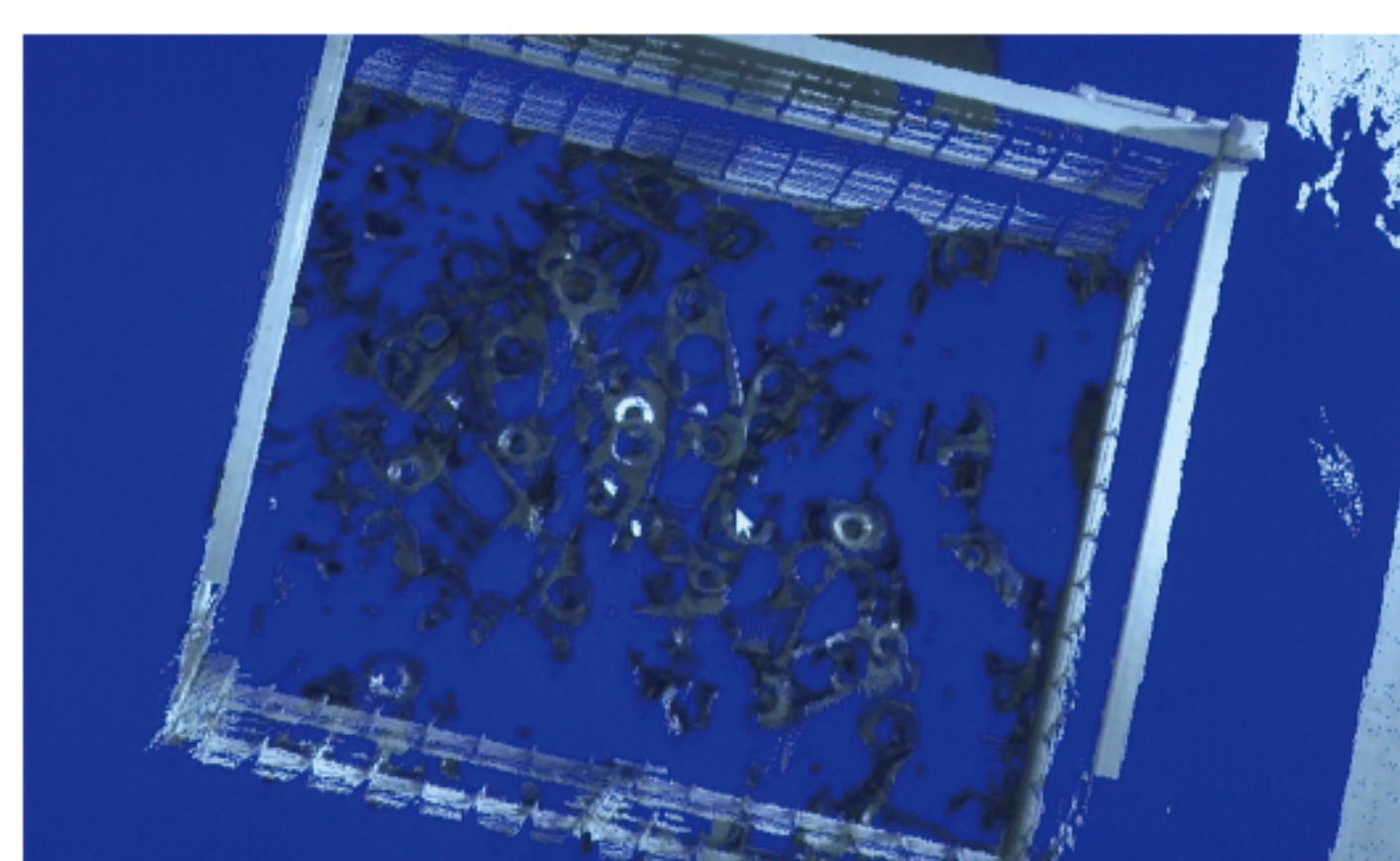
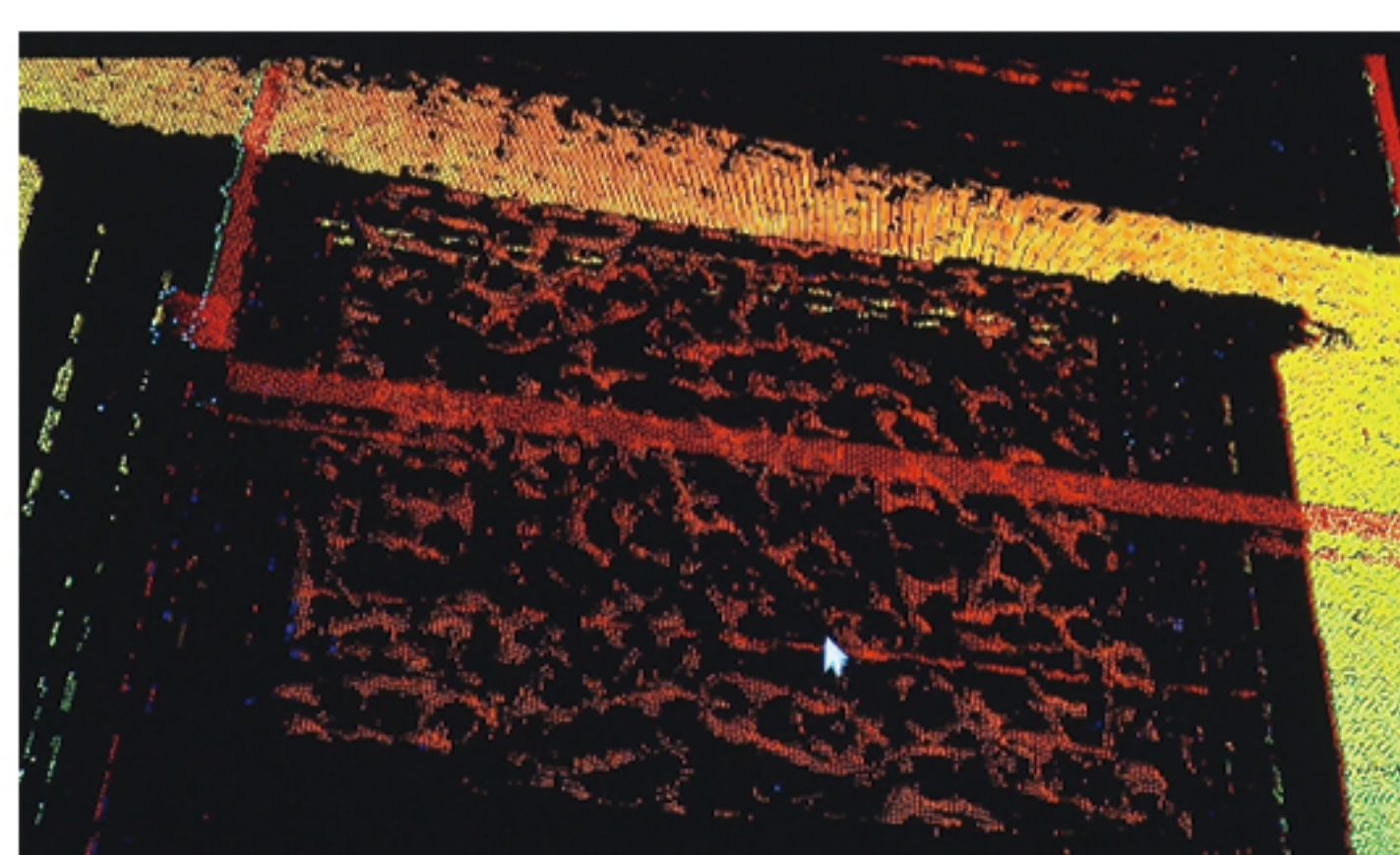
Typical 3D CameraC



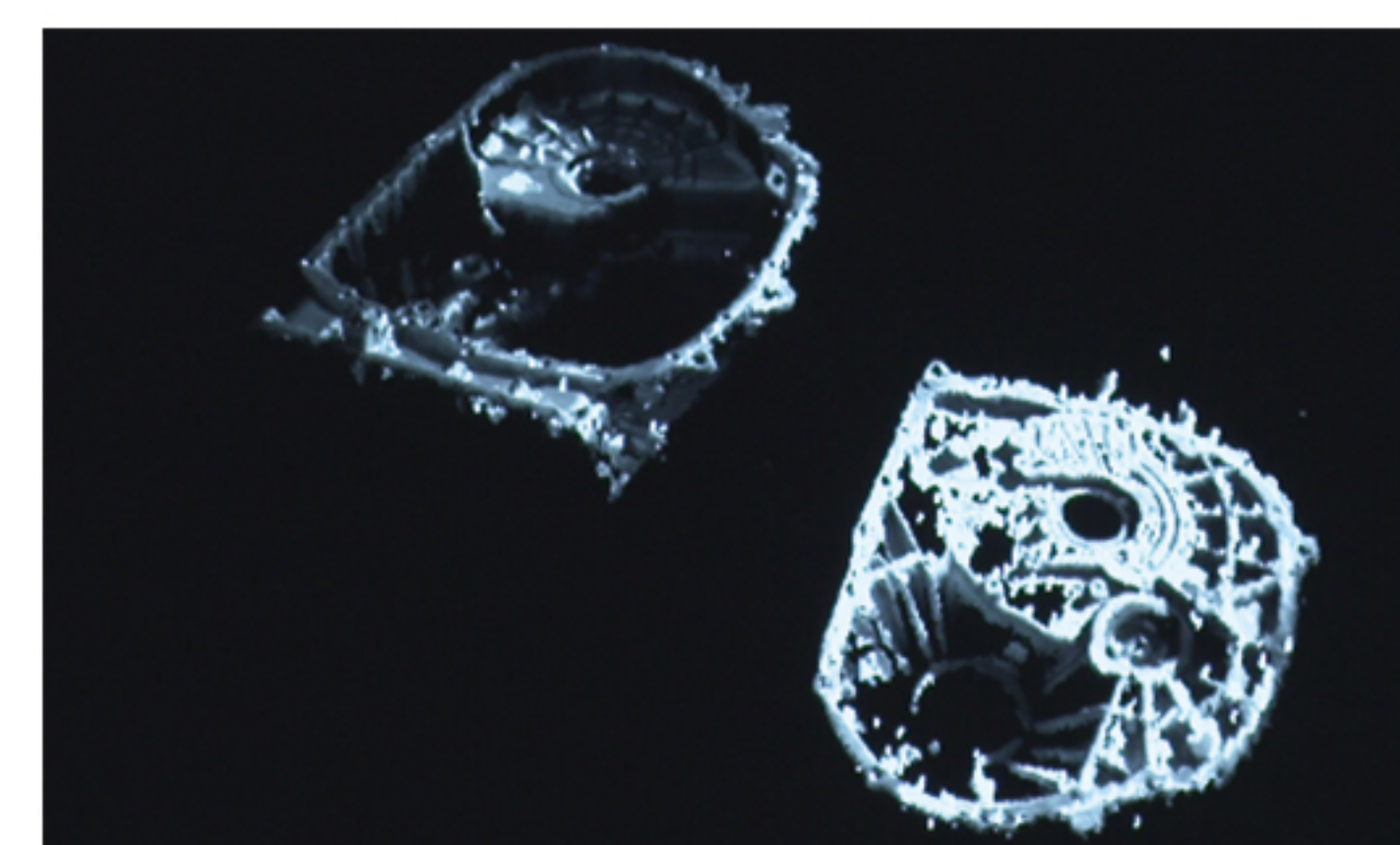
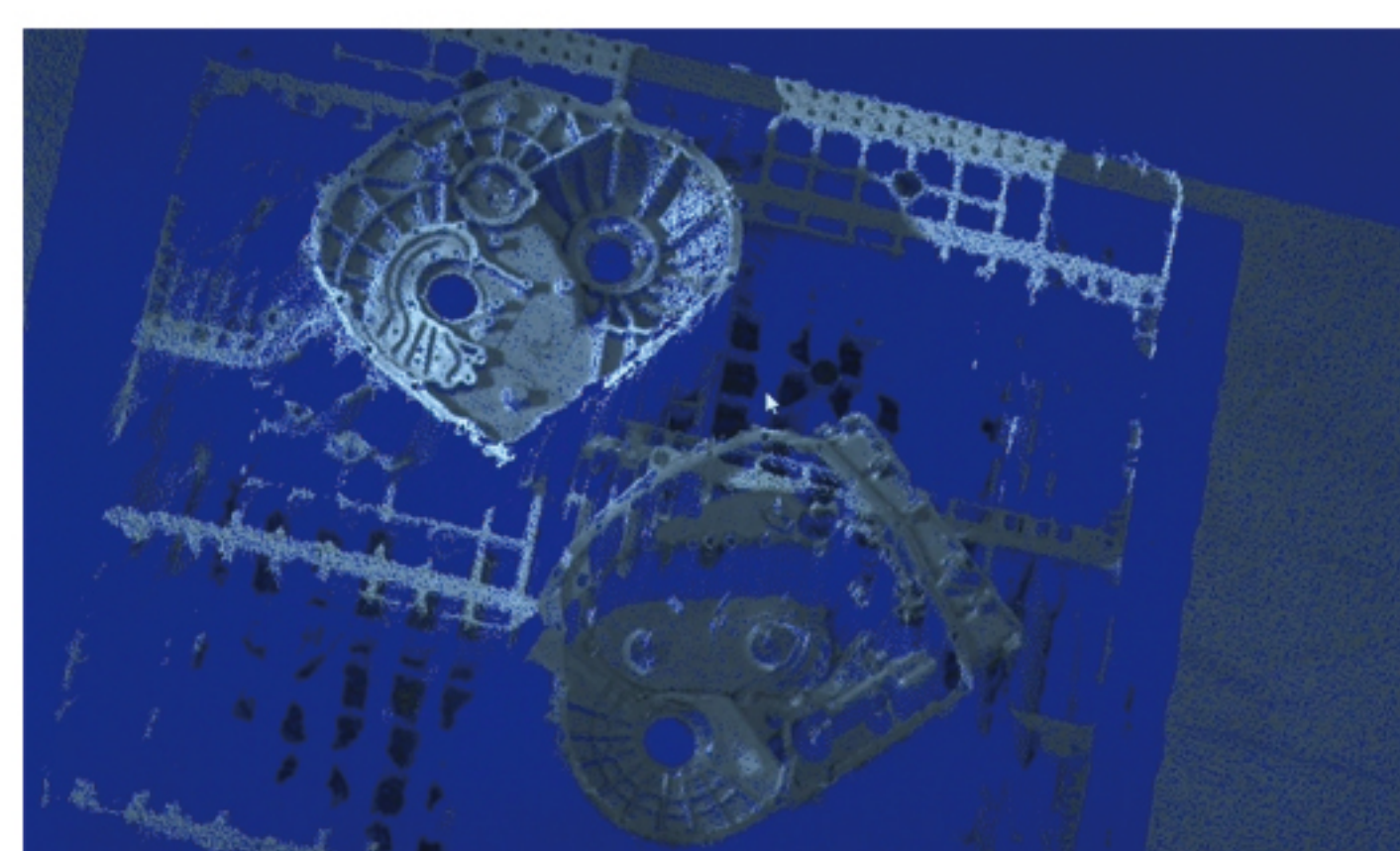
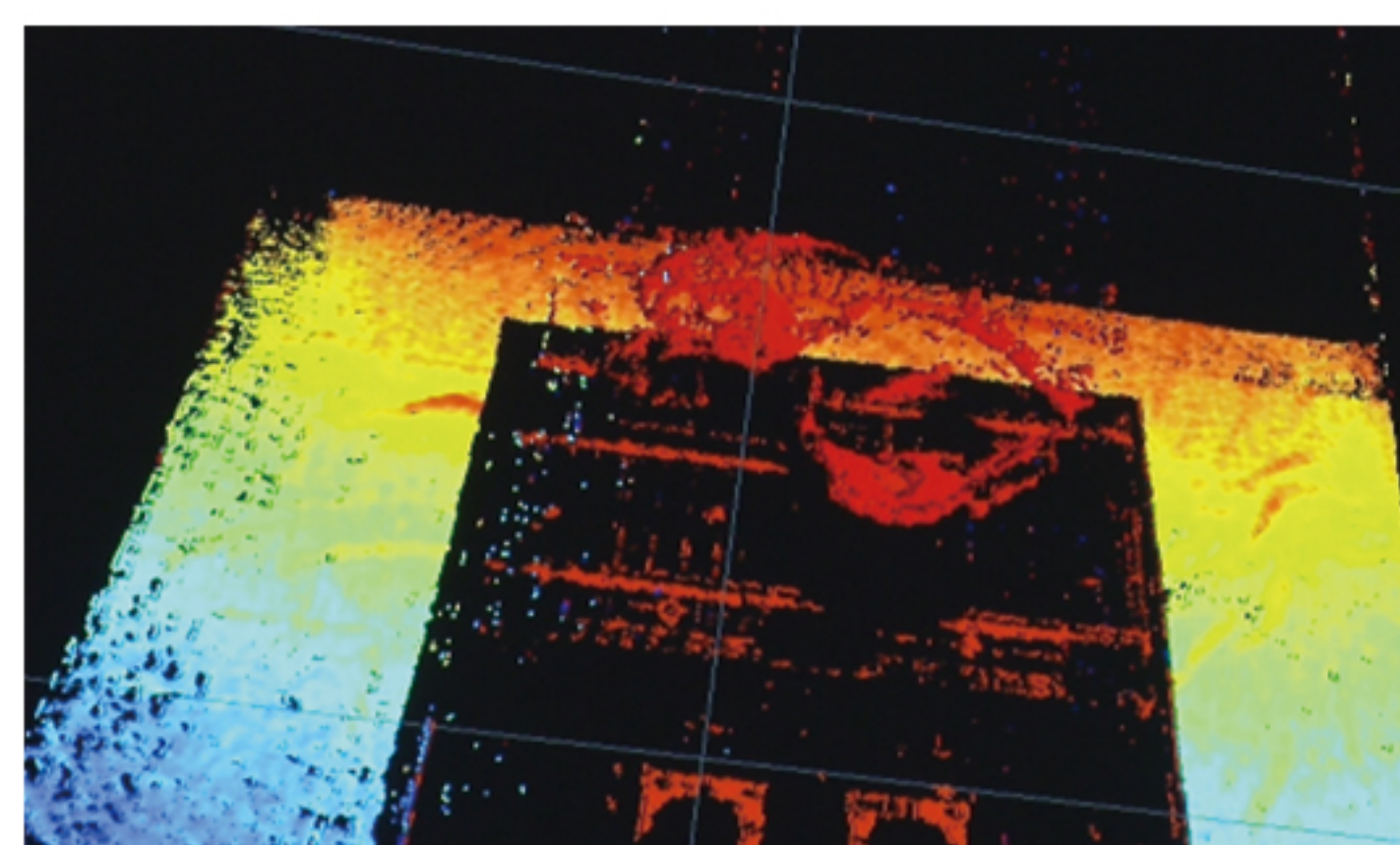
Cartons



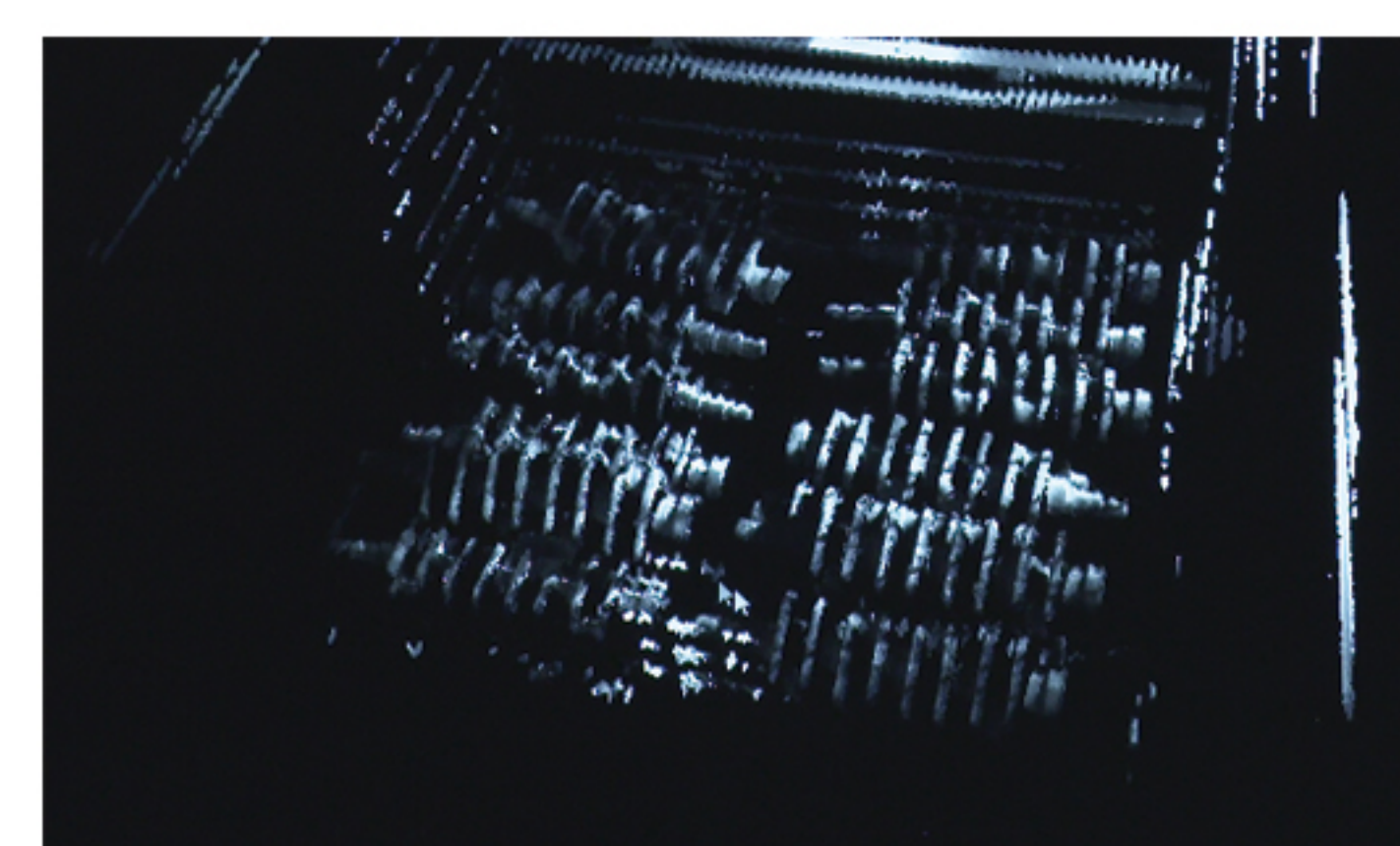
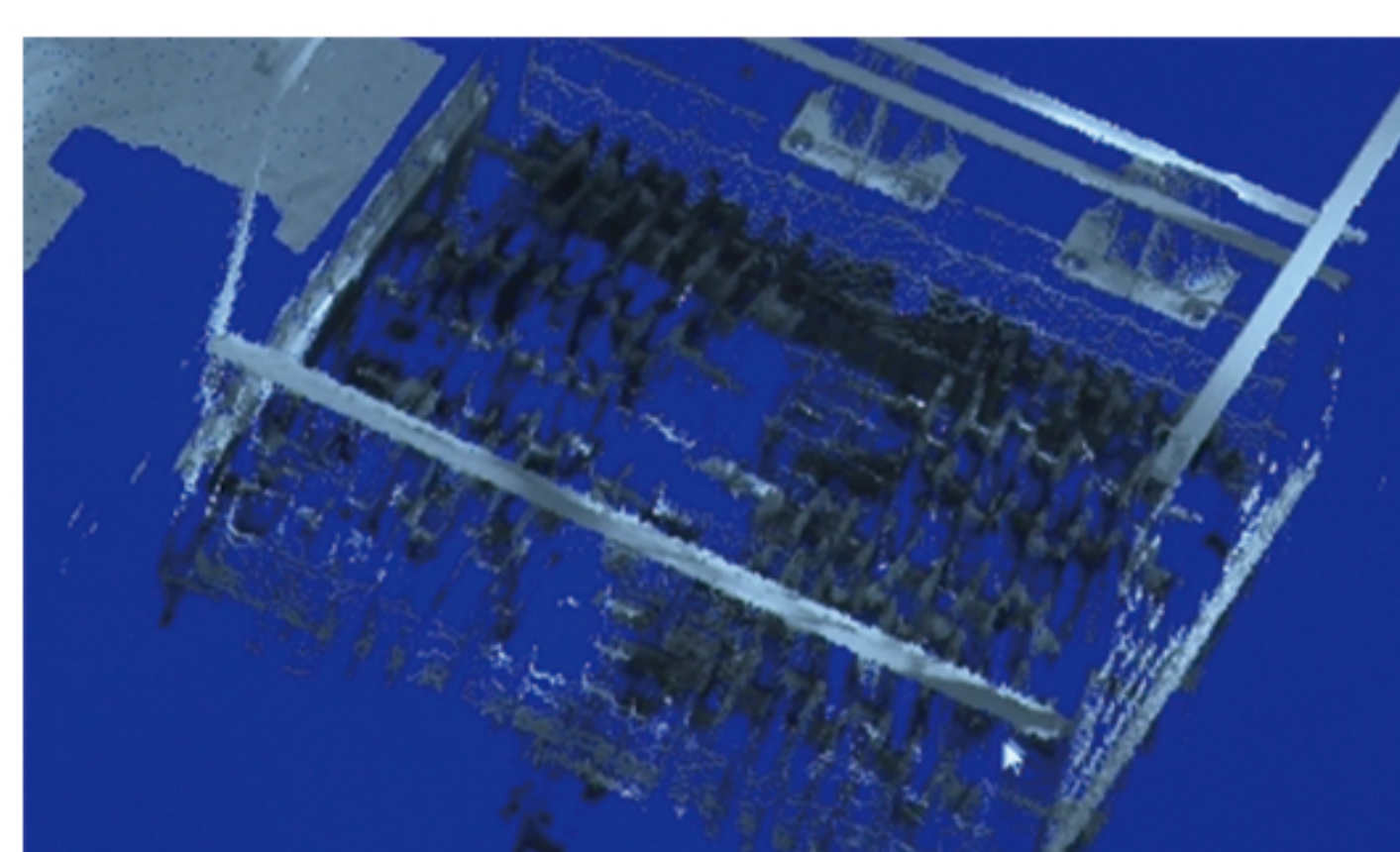
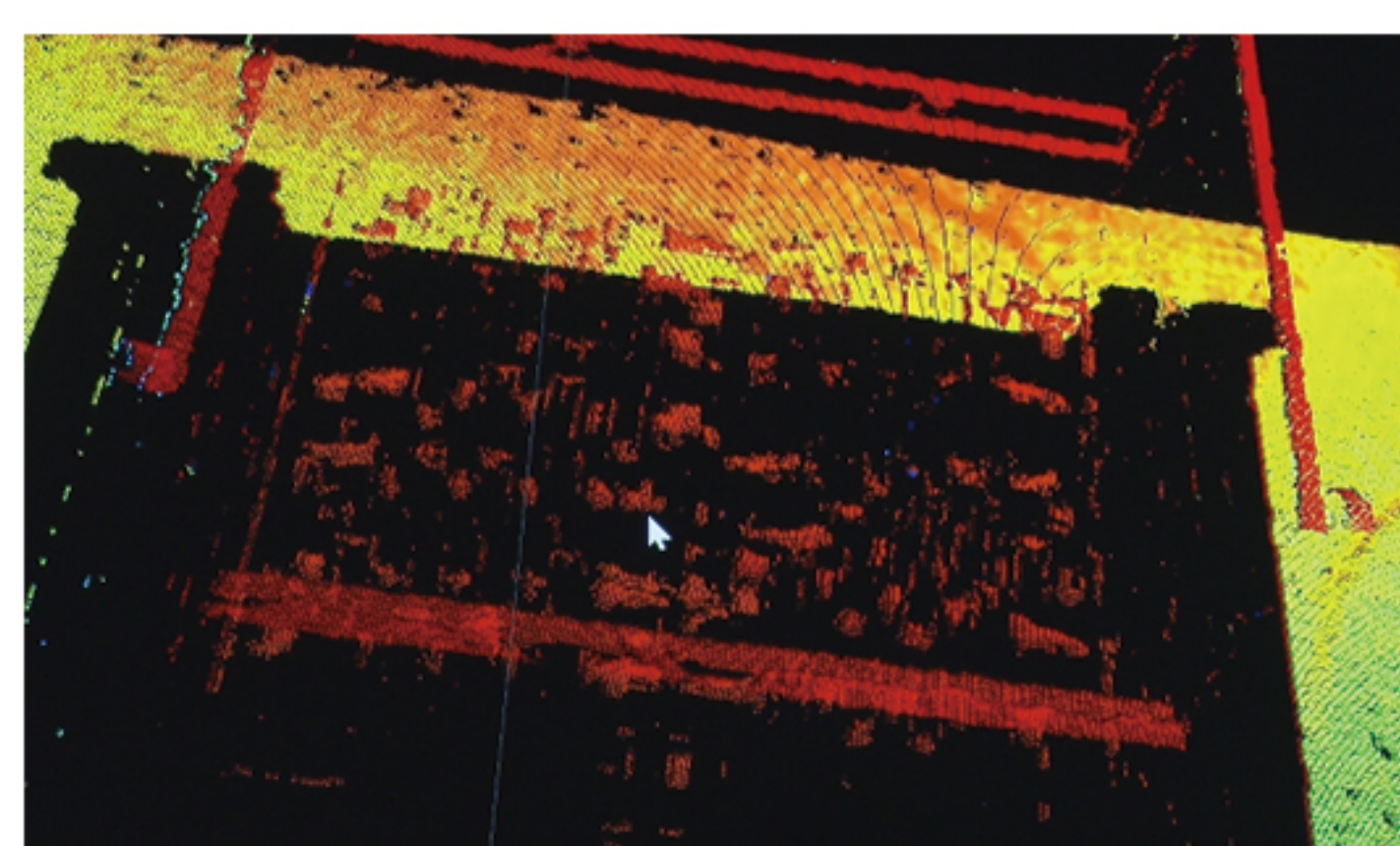
Tracklinks



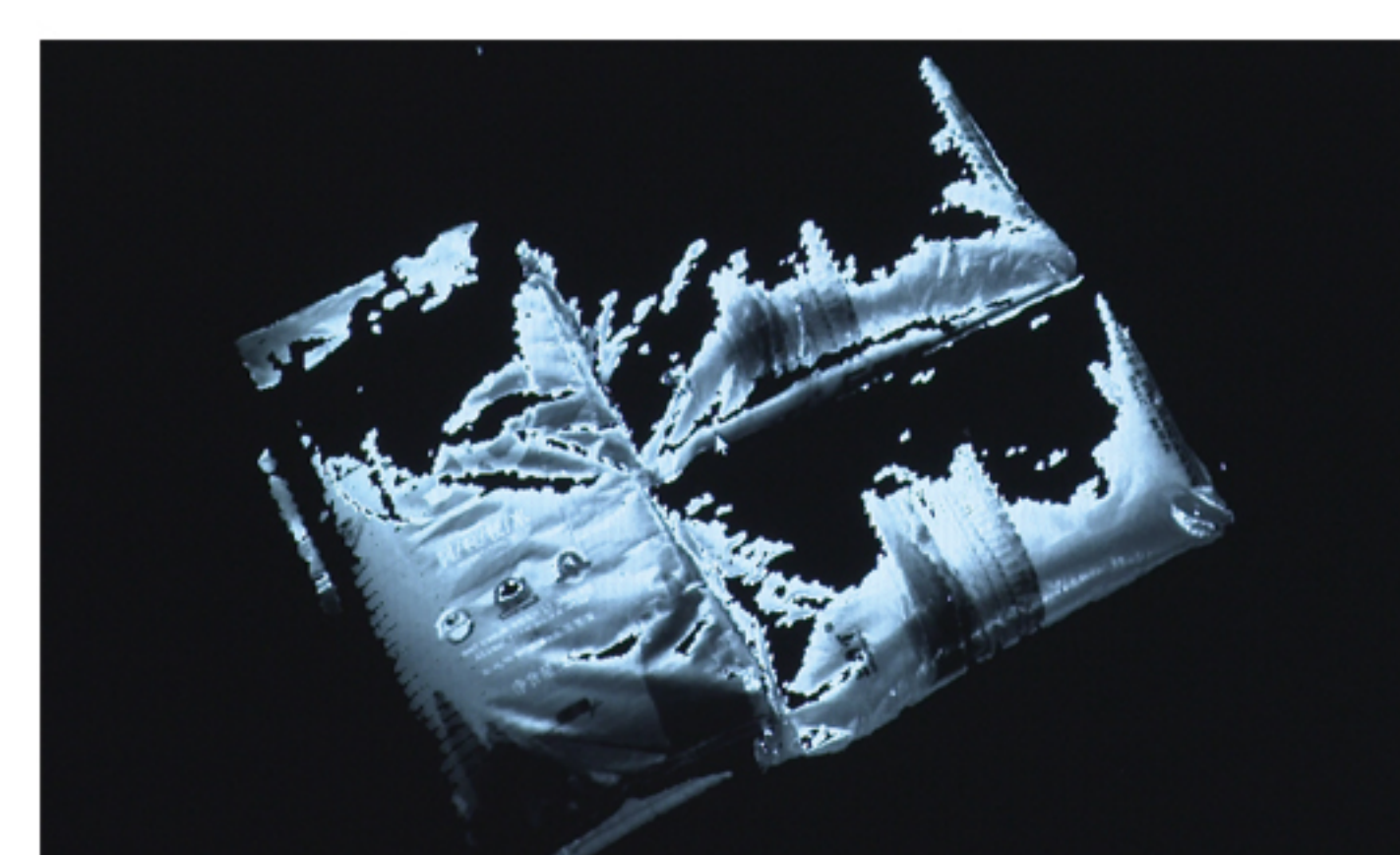
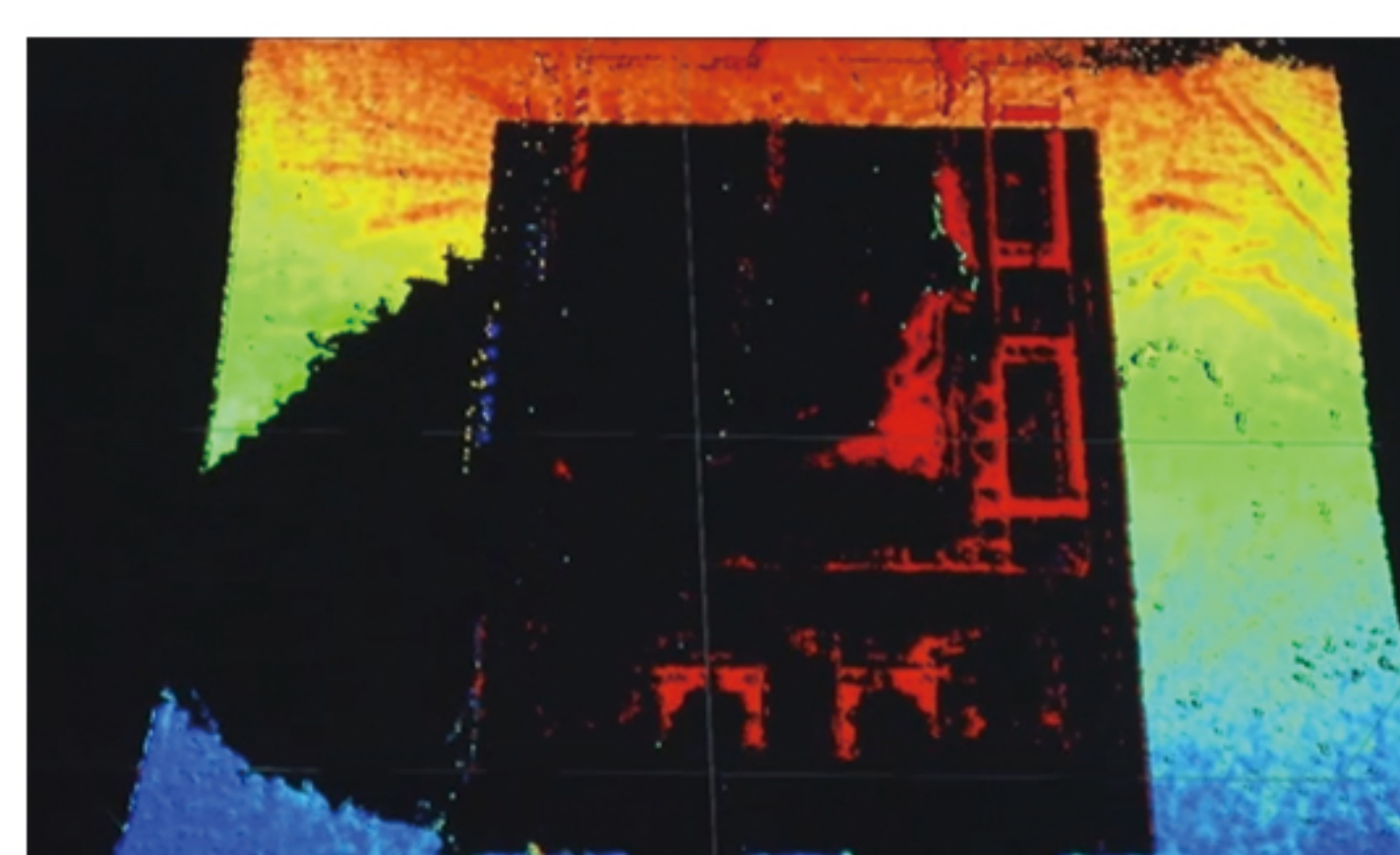
Structural parts



Crankshafts



Sacks



Applicable to typical industrial conditions under demanding Construction | Automobile | Steel | Logistics



Typical factory environment under demanding light