

IMAGING TECHNOLOGY FOR THE FUTURE – made in Germany

Industrial CIS Scanner with Shape from Shading

See the structures on your surface

Now also
with white
lighting

Tichawa *Vision* GmbH 

Your advantages at a glance:

- Robust 3D imaging application!
- Single housing contains light, sensor and control
- Light from 4 directions
- Large scanwidth up to 4 m
- High speed
- Suitable for inspecting metal, plastic, glass, ceramics, paper, cardboard and liquids

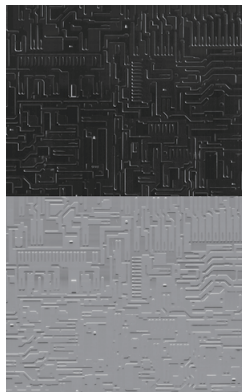
Advantages – red for metallic objects:

1. Best efficiency
2. Highest lifespan

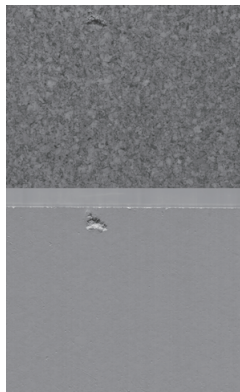
Advantages – white for non-metallic objects:

1. All object colors possible
2. Improved lighting control for high line rate
3. Narrow light angle for improved Z resolution

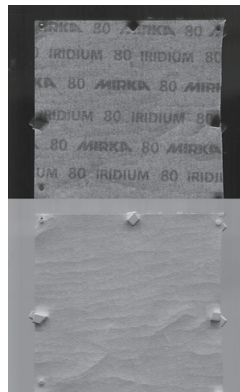
Samples with Shape from Shading – TOP results!



Metal board



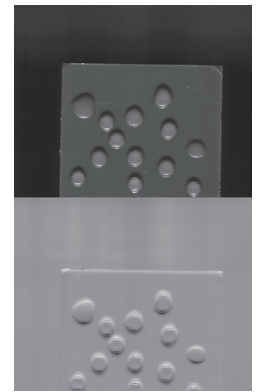
Cork



Sand paper



Board PCB



Drops



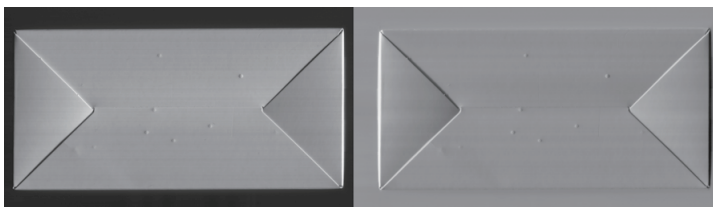
Tires



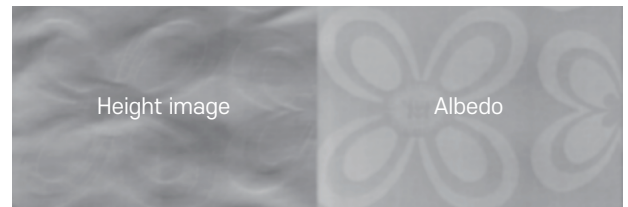
Coins



Wire

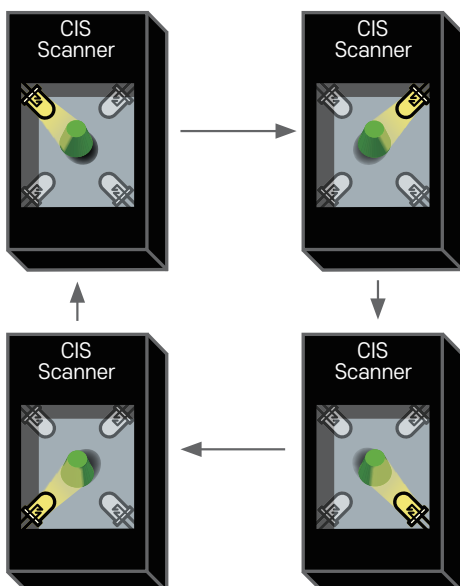


High gloss cardboard



Fabric decor / Cloth decor

Scanner for Shape from Shading



Technical Data

Resolution nominal	300	600	1200	dpi
	84	42	21	µm
Max. Line Rate for square pixels kHz	22.5	14	7.8	kHz
	1.9	0.6	0.16	m/s
Max. Moving Speed for square pixels	114	36	10	m/min
	Interface			
Min. Camera Link Medium 4 Ports				
Max. 4 x Camera Link Full 8 Ports				
Trigger				
Freerun, CC1, external RS-422				
Scanbreite				
420–2000 mm				
Illumination Geometry				
Slant = 63°, 60°, 63°, 60°				
Tilt = 13°, 90°, 193°, 270°				
Colour				
white or red				