

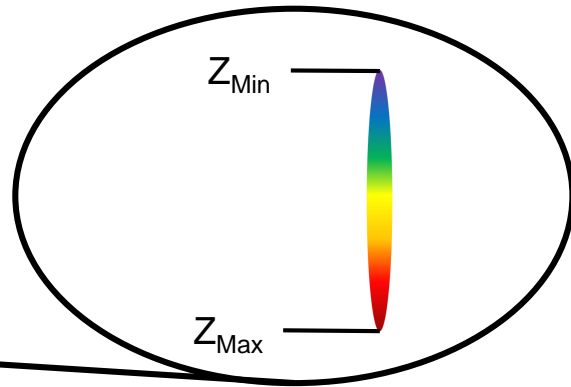
# CHRocodile CLS

**DO YOU KNOW THE FASTEST CHROMATIC LINE SENSOR?**

**CHRcodile CLS offers an incredibly fast 3D measurement of 1 million points / second.**

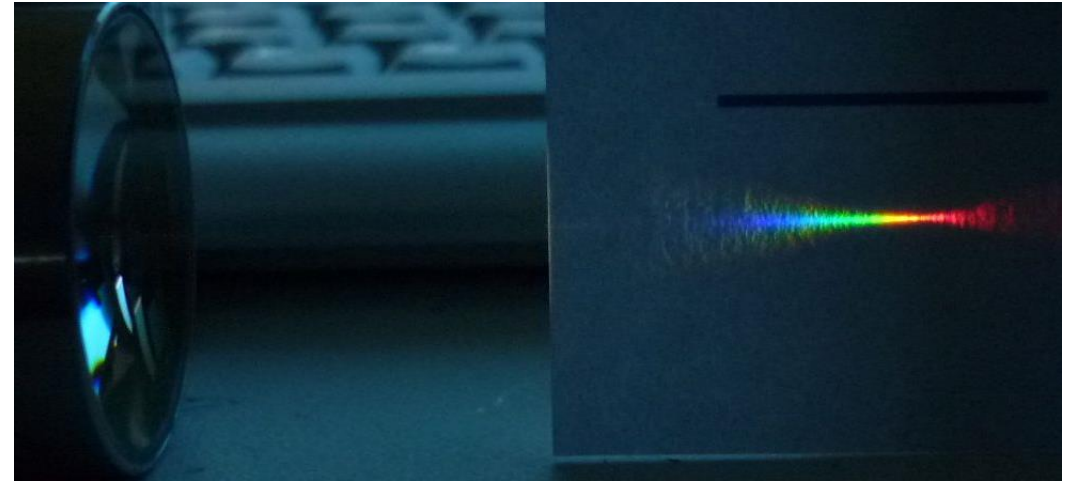


# TECHNOLOGY: CHROMATIC CONFOCAL



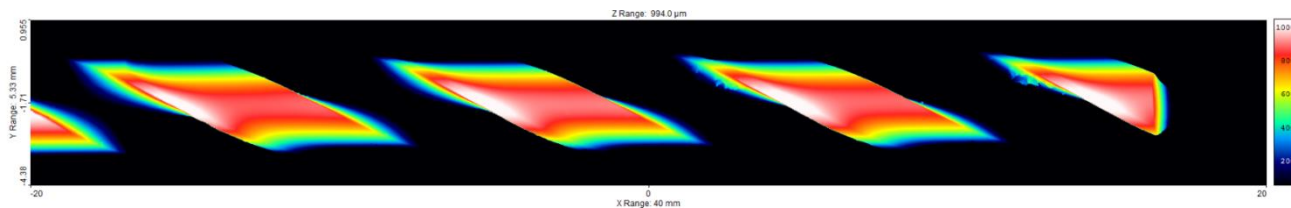
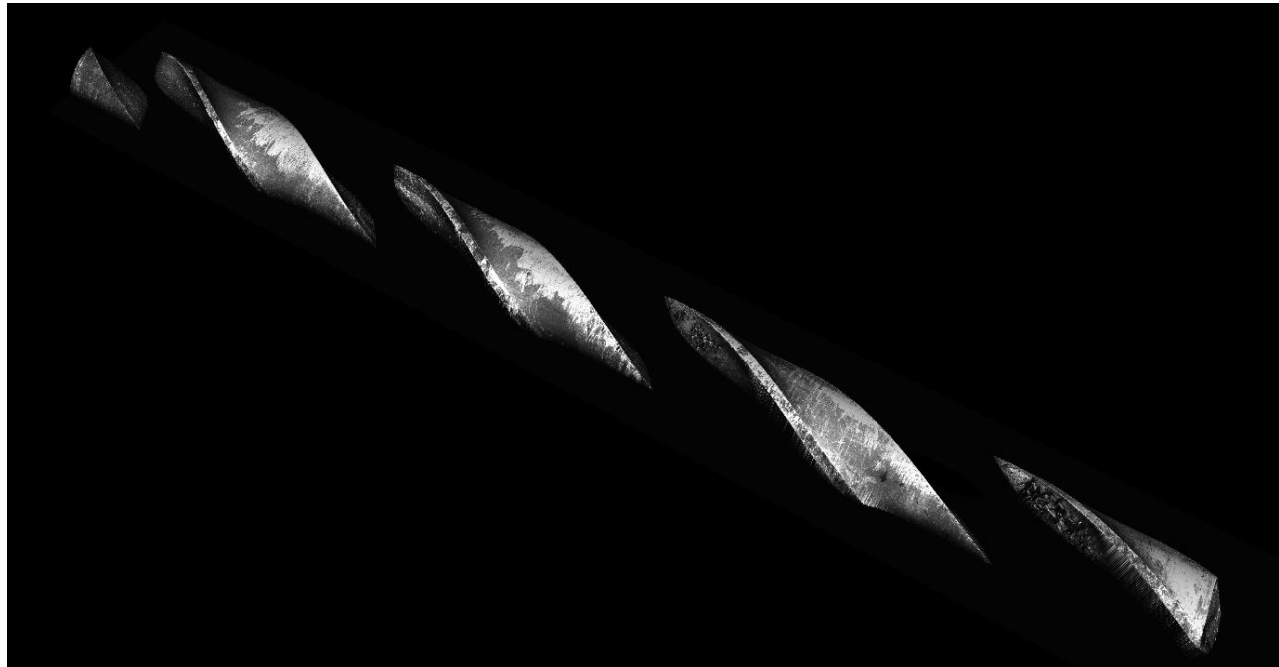
The different wavelengths are focused along the optical axis.

192 points along the line



# APPLICATION: DRILL BIT

ANGLE, RADIUS AND PITCH



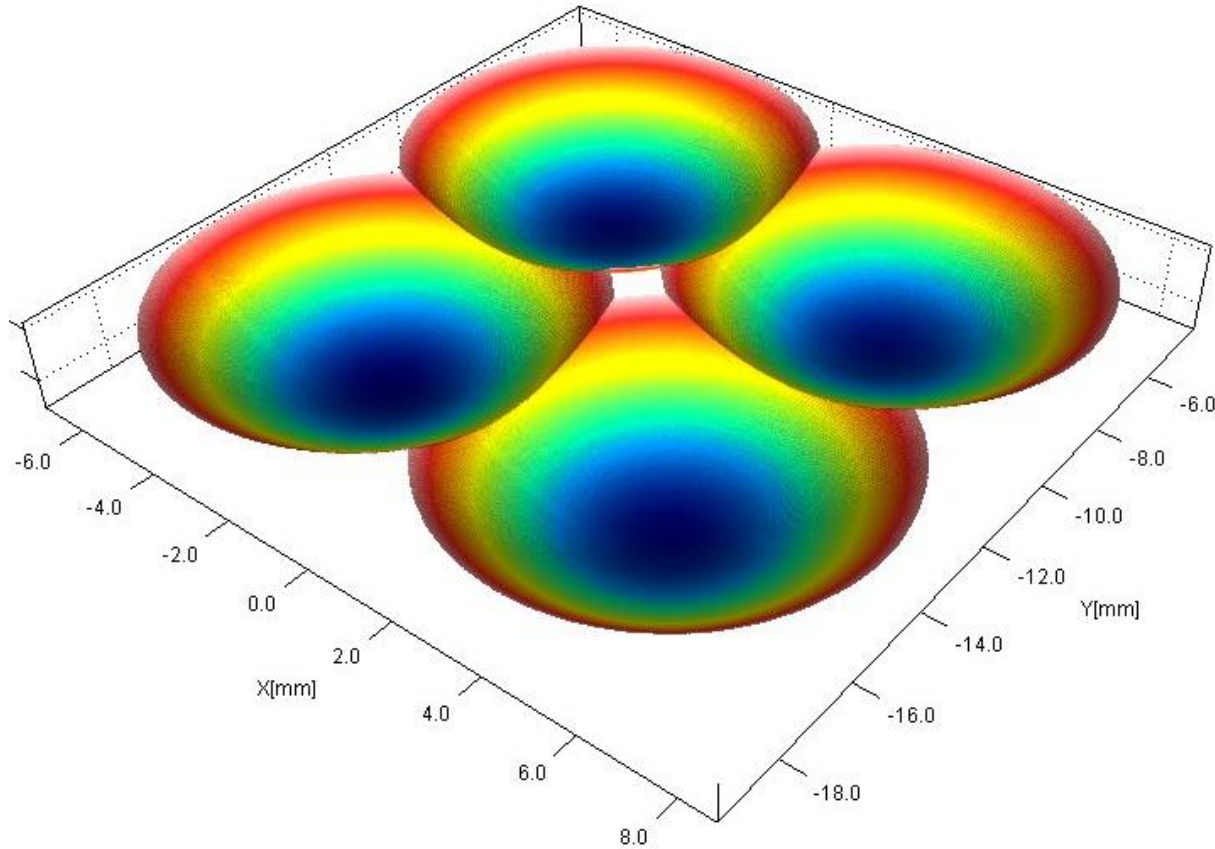
- Area: 40mm x 5.33mm
- Resolution: 10µm x 10µm
- 2,133,000 Pixel



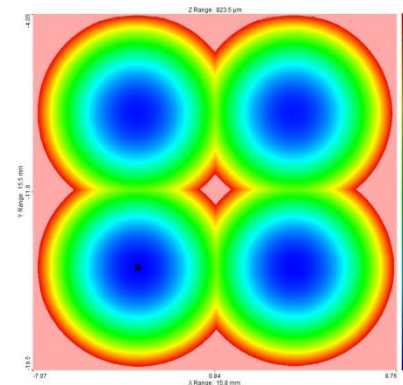
**5.50**  
seconds

# APPLICATION: CONTACT LENS

## DEPTH AND ROUGHNESS



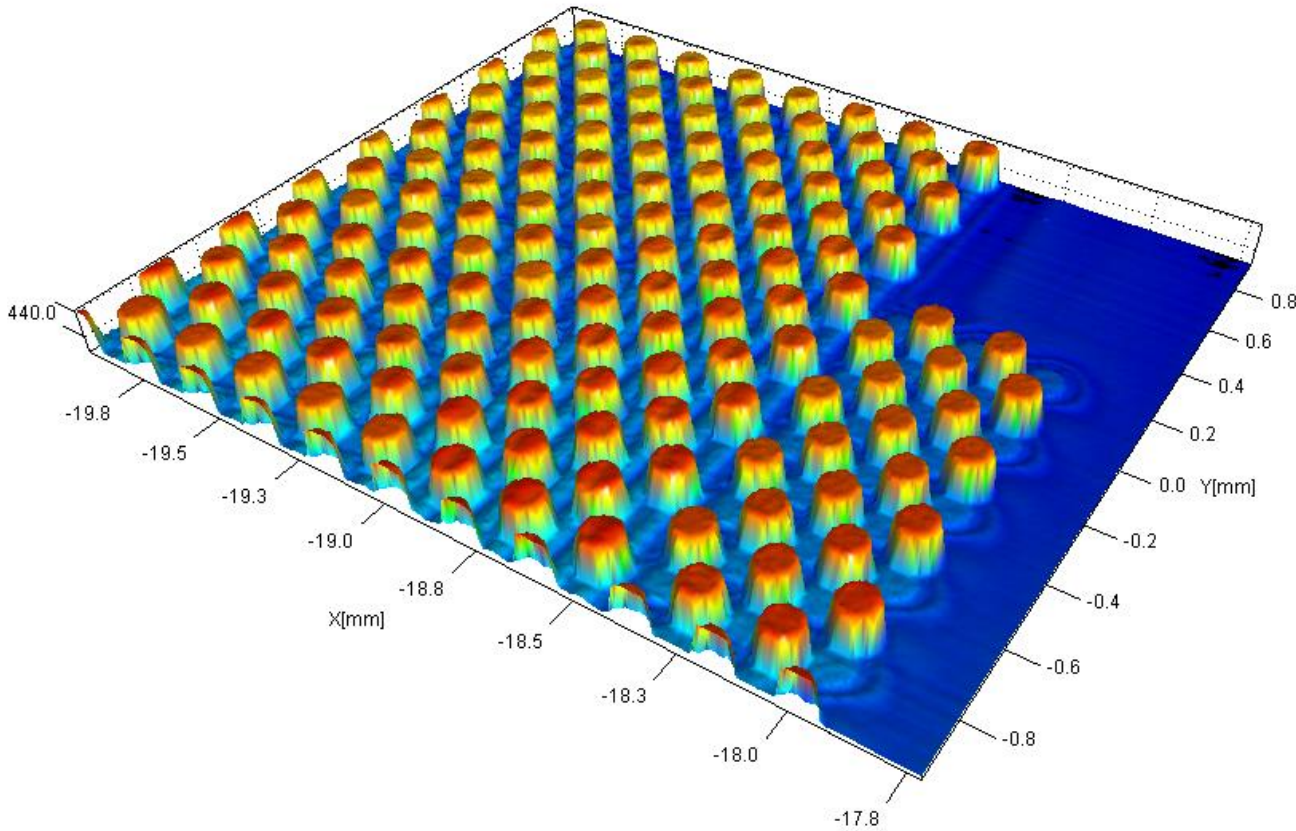
- Area: 15.5mm x 15.5mm
- Resolution: 10 $\mu$ m x 10 $\mu$ m
- 2,402,500 Pixel



**6.25  
seconds**

# APPLICATION: BUMPED WAFER

## HEIGHT AND WIDTH



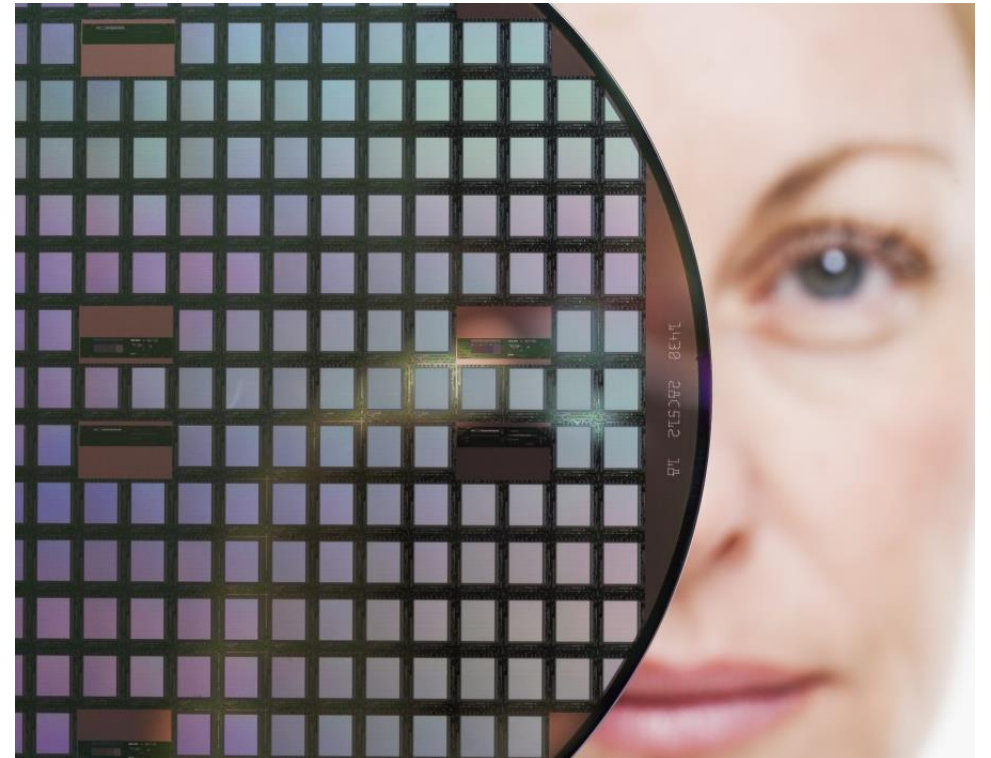
- Area: 1.91mm x 2.2mm
- Resolution: 10 $\mu$ m x 10 $\mu$ m
- 2,402,500 Pixel



**0.11**  
**seconds**

# BUMPED WAFER DEMO

- **Optical probe: CLS02**
- **Lateral resolution:  $2\mu\text{m} \times 5\mu\text{m}$**
- **Pixel / second: 1,152,000 Pixel**



Probe CLS0.2 M PREC





# ADVANTAGES

**192 points along the line**

# ADVANTAGES

**High speed:  
1,152,000 points per second  
(6,000 lines/sec)**

## ADVANTAGES

**6 interchangeable chromatic probes**

# APPLICATIONS

## CONSUMER ELECTRONICS

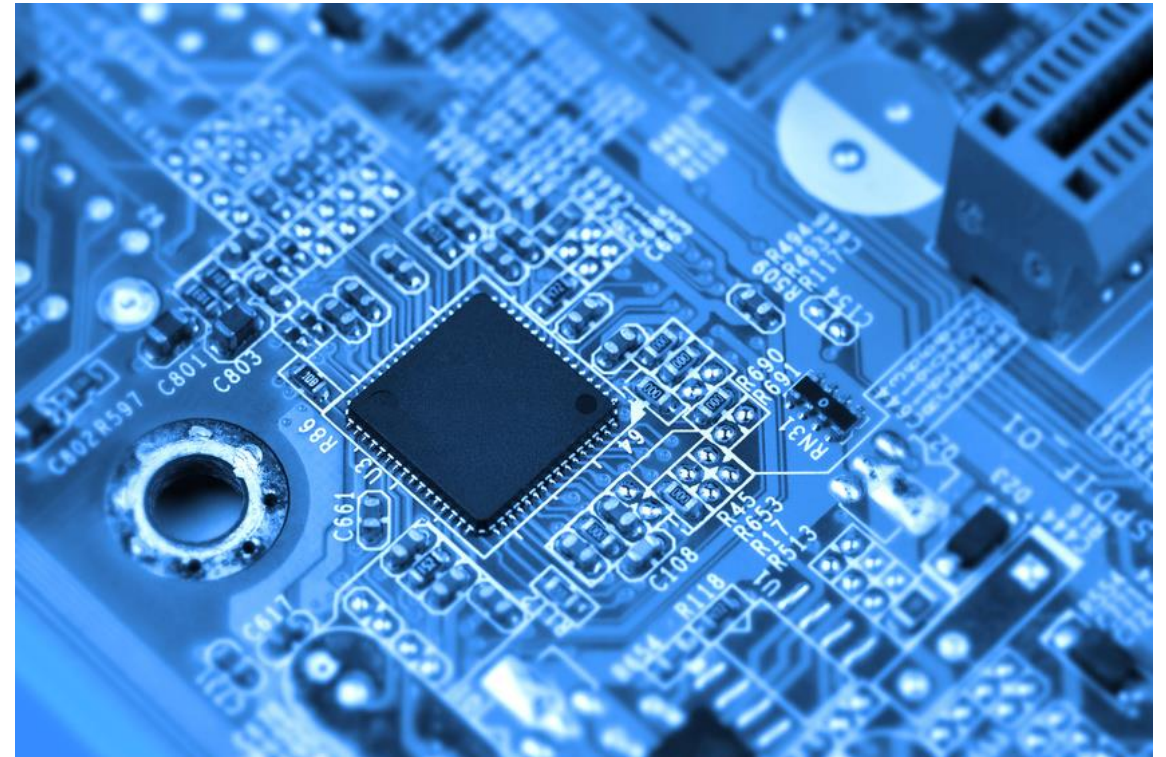
- LCD measurement
- OLED mask inspection
- Microscopic scratches on all surfaces
- COG bonding
- ...



# APPLICATIONS

## SEMICONDUCTOR

- Defect inspection
- BGA inspection
- Circuit connection
- ...

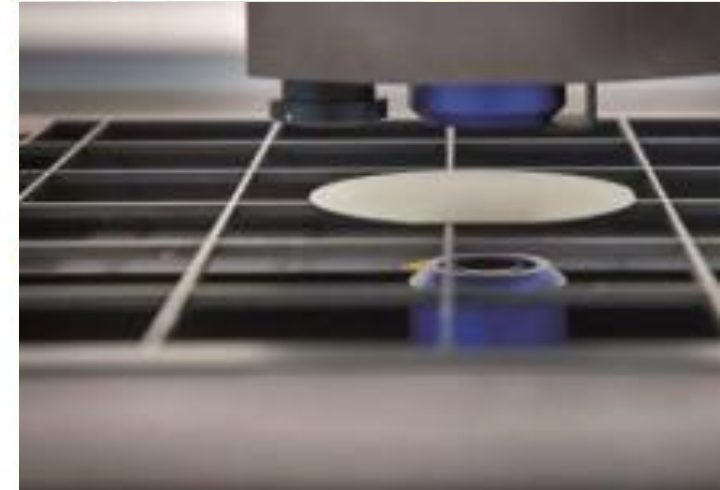


# APPLICATIONS

## AUTOMOTIVE

- Valve inspection
- Car interior
- Automotive glass inspection
- Airbag seam inspection
- ...





**Please approach us for further discussion!**