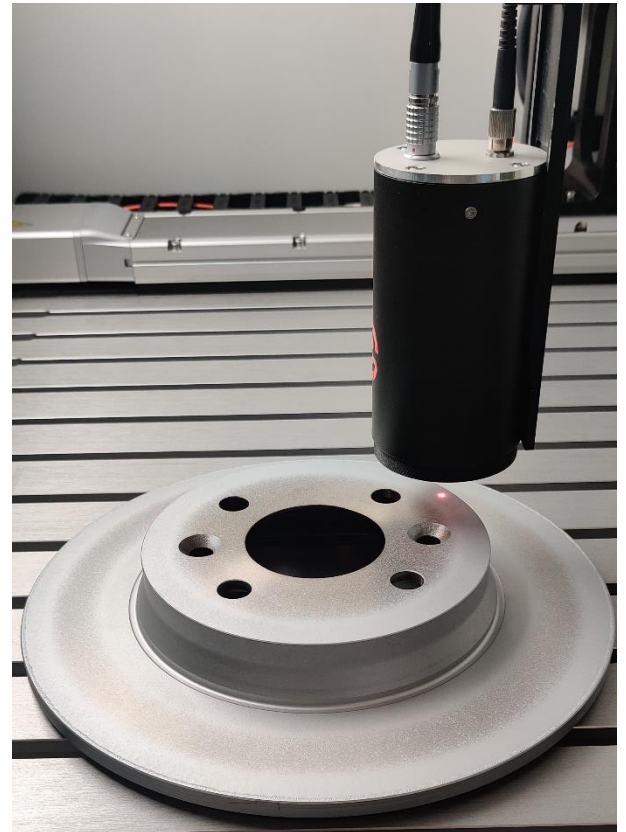


## THICKNESS MEASUREMENT OF ANTICORROSION PAINT ON BRAKE DISK

- Contactless, nondestructive, and fast measurement
- High repeatability
- Able to measure the entire surface (blade, bevel, etc)
- Possible to measure parts at high temperature
- Allow to measure on the moving line
- Automated storage and archiving of referenced measurement data
- Live communication stream of data to line controller
- Can be implemented in line – To control 100% of the produced parts
- Available in fully automated 3 axis measurement stations – To control by the line



### INNOVATIVE LASER MEASUREMENT TECHNOLOGY



### ADVANTAGES & SAVINGS

- Nondestructive and fast measurement to improve production cost
- Monitoring your process to reduce scrap rate and paint consumption
- Avoid product quality issues

### GENERAL & TECHNICAL FEATURE



Dimensions of a measuring head	L35 x W35 x h105 mm	
Maximum part size	L550 x W500 x h400 mm	
Distance probe-part	40 mm	
Spot diameter	0.8 – 10 mm	
Repetition time	0.5 s	
Thickness range	For ceramic or metallic	5 – 500 µm
	For layered zinc	1 – 60 µm

## MEASUREMENT RESULTS

- Repeatability in 1 point
  - > 10 measurements on the same location – 1 second per point.

Measure n°	1	2	3	4	5	6	7	8	9	10
Thickness (µm)	9.57	9.56	9.54	9.53	9.55	9.59	9.56	9.57	9.56	9.57

	AVERAGE	STD
Thickness (µm)	9.56	0.02

- Scanning with a Hako L
  - > Brake disc mapping

