## geomETH

Industrial Metrology





## Technologies and Trends in Industrial Metrology

- Optical tooling
- Gaugeless tooling vs. master models



- Online inspection systems
- Real time systems









## Wing to Body Assembly



- Production plant for the wing to body assembly of Boeing 737
- Fixed location points for the body
- Moveable location points for the wing













rays. Infinitely focused telescopes are called collimators. This technique is used in IMT and for calibration of optical instruments and direction transfer.

eomETH













































<image>

High Precision Theodolites and Total Stations

With high-precision alignment telescope and auto collimation ocular

Image: Comparison of the telescope and auto collimation ocular

Image: Comparison of telescope and auto collimation ocular

Image: Comparison ocular

Image: Compar

Reflectors and A	ccuracy		
	Reflectors	1 Sigma	
	Reflex foil	0.5mm / 0.02in	
	High precision prism 65mm ø	0.3mm / 0.01in	
	360°-Prism, up to	2mm / 0.08in	
	Corner cube-reflector CCR1.5" (triple prism)	0.2mm / 0.008in	
	Surface reflector	0.2mm / 0.008in	
		Ŵ	
			geometh















