

# NDI OPTOTRAK



## The future of metrology is here today

Through an impressive combination of versatility, performance and usability which will forever change the way you measure.

The shop-floor-inspired Optical Tracker from NDI combines all of the functionality of a laser tracker with the advantage of real-time, target based digital photogrammetry. With full, multi-object 6DOF measurement capability, NDI's all-in-one tracker can do more than any other single technology; eliminating the requirement for multiple systems or expensive upgrades.

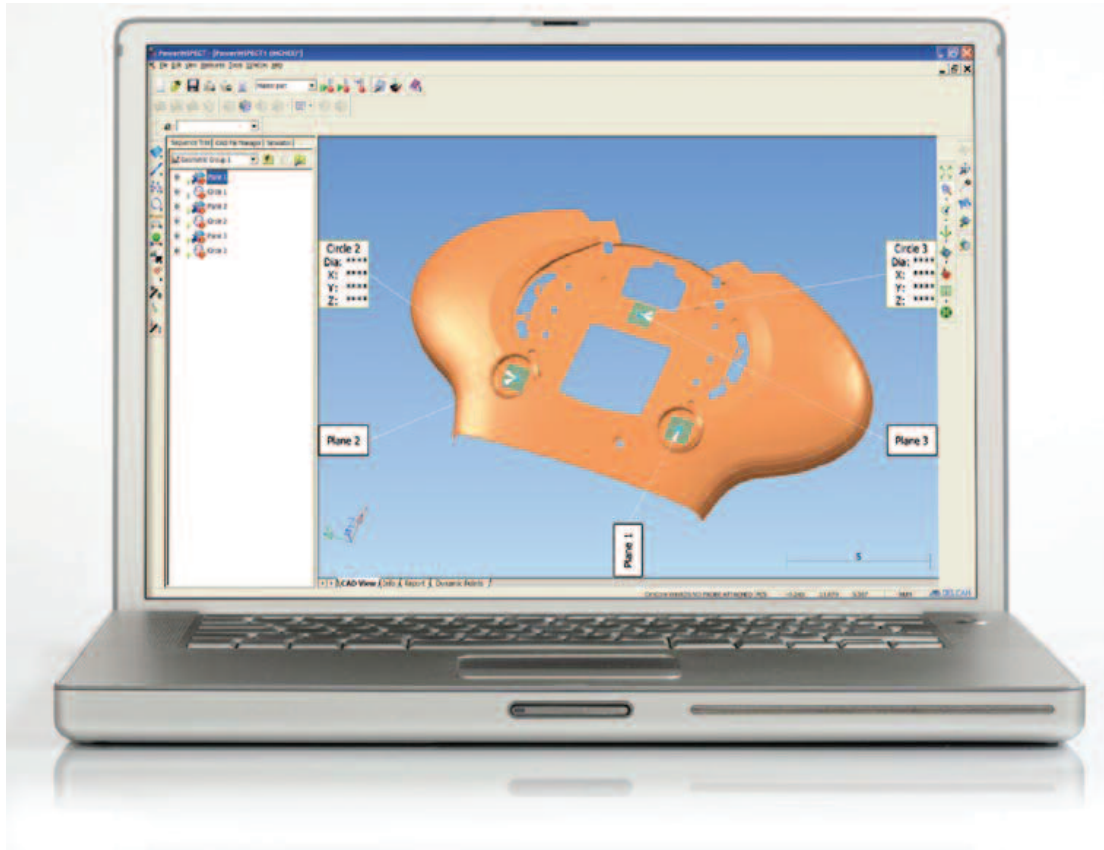
### COORDINATE MEASUREMENT

- Part to CAD inspection
- Reverse engineering
- Fixture verification
- Cell alignment
- Assembly verification
- As-built surveying
- Offline programming



### Dynamic Referencing

Anyone who measures on the shop floor will appreciate the added power of Dynamic Referencing, a unique feature which uses targets to automatically compensate for movement between the part and the Tracker, allowing you to maintain part alignment throughout the entire inspection routine.



- Operates in unstable conditions
- Corrects for vibration
- Overcomes changes in set up caused by thermal effects
- Compensates for the loading of live suspensions
- Enables fixture less measurement
- Repositions the part or Tracker at any time
- Performs in-line measurements on moving assemblies

SYSTEM SPECIFICATIONS			
	Range	Volume	Zones
Model 300	1.5 m - 3.0 m	3 m <sup>3</sup>	1
Model 1000	1.5 m - 4.5 m	10 m <sup>3</sup>	1,2
Model 2000	1.5 m - 6.0 m	20 m <sup>3</sup>	1,2,3
ACCURACY (µm)	Zone 1	Zone 2	Zone 3
<b>Probe</b>			
Single Point (mm)	0.020	0.030	0.060
<b>Target</b>			
X	15	25	30
Y	15	25	30
Z	50	85	150