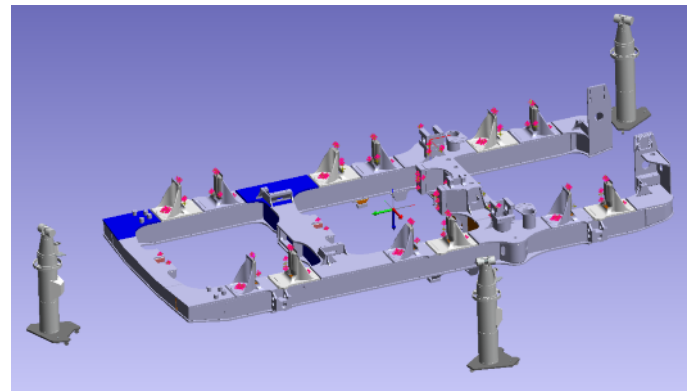
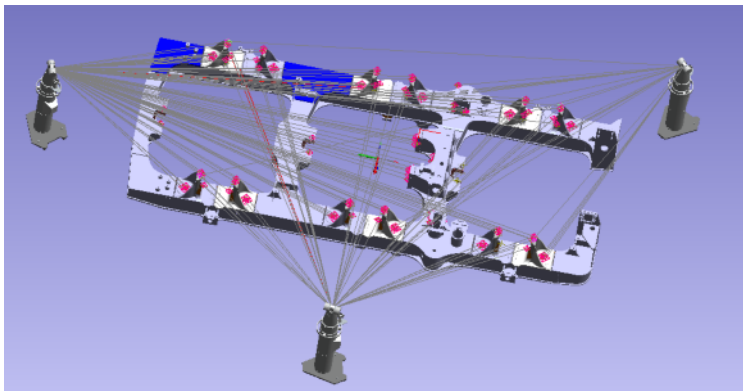


Industry: Engineering Manufacturing, Precision Engineering, Rolling Stock

Task: Train Bogey Inspection

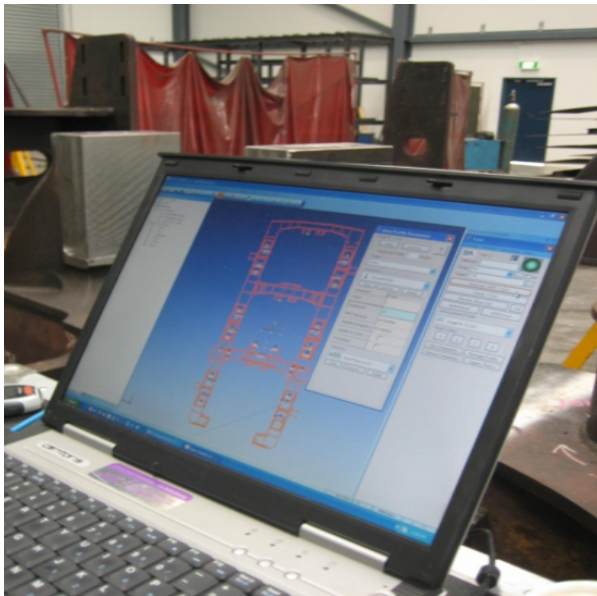
Measurement system: 3D Laser Tracker or Industrial Total Station with SpatialAnalyzer metrology software

During the manufacture of large numbers of train bogies each machined frame is inspected against a 3D CAD model within metrology software as the final conformance check before delivery to Client.



Train Bogies Inspection

Real-time display, inspection and reporting



**INSPECTION & CONFORMANCE CHECK SHEET
 MACHINING OPERATION**

RAILWAY BOGIE

UNIT NUMBER
 TB 100

Project No: 707218

NOTE: "WITNESS SHALL INDICATE REFERENCED DRAWING REVISION STATUS"

Action	Drawing No	Location	Dimension	Actual	Witness
13. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	C6	1105.3 1104.7	1105.1	
14. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	D 6 x 2	216.3 215.7	216.4	
				215.6	
15. Confirm Post Machining Dimension (Qty = 12 x Locations)	B73330 Shr 2 Rev:	K10	931.3 930.7	931.0	
				930.6	
				930.8	
				931.2	
16. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	H13	270.3 269.7 TYP	270.3	
17. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	J12	139.3 138.7	138.7	
18. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	K12	85.3 84.7	84.9	
19. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	F15	257.3 256.7	257.0	
20. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	K13	90.3 89.7	90.0	
21. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	D16	220.3 219.7	220.3	
22. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	1 = H13 2 = J15	1 = 310 2 = 210 Minimum Machined Areas	310	
				211	
23. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	D8	100.3 99.7	100.0	
24. Confirm Post Machining Dimension	B73330 Shr 1 Rev:	C9	114.6 114.0 TYP	115.0	
Prepared By	Date : 05/06/06	Procedure No:	Page 4 of 6		
Approved By	Date : 05/06/06	Revision			

ADS provides Alignment and Dimensional Inspection Services for all types of Manufacturing and Precision Engineering undertakings. We can provide the most efficient customised solutions for your requirements.