SA SpatialAnalyzer — Features

Feature	Professional	Ultimate	Analysis
Measurement			
Traceability	●	●	
Simultaneous Instrument Interfacing	●	●	
Interfaces with 160+ Portable Metrology Instruments	●	●	
Alignment			
Point Based (Best Fit, Locate Measure Nominals)	●	●	●
Feature Based (RPS, Frame Wizard, Cloud to CAD)	●	●	●
Points to Surfaces	●	●	●
Standard Instrument Network Bundle	●	●	●
Relationship Fitting		●	●
Sequential Relationship Optimization		●	●
Advanced Network Optimization Bundle (USMN)		●	●
Inspection			
Geometric Dimensioning & Tolerancing (GD&T)	●	●	●
Geometry Inspection	●	●	●
Build			
Relationships	●	●	●
Watch Windows	●	●	●
Transformation Tracking & Guiding		●	●
Cloud			
Real Time Meshing with Colorized Deviation Display	●	●	●
Feature Extraction with CAD - 3D	●	●	●
Cross Section Cloud Building	●	●	●
Feature Extraction without CAD - 2D		●	●
Evaluation & Analysis			
Robust Fit Algorithms (NIST & PTB Certified)	●	●	●
Measurement Uncertainty Computation	●	●	●
Geometry Fit Uncertainty Analysis		●	●
Relationship Optimization (Moving Multiple Objects)		●	●
Pipe Cut Optimization		●	●
Reverse Engineering		●	●
Reporting			
Standard Outputs (Excel, Word, PDF, Text)	●	●	●
Graphical Callout Annotations & Dimensions	●	●	●
Drag & Drop Reporting, Report Templates	●	●	●
Charting (Statistical Process Control)	●	●	●
Database Output (ODBC)		●	●
Automation			
Inspection Routine Templating	●	●	●
Automatic Measurement	●	●	●
Measurement Plan Scripting		●	●
Software Development Kit (SDK)		●	●
Additional Features			
Full Access to Standard & Native CAD Import	●	●	●
One-Year Support/Maintenance	●	●	●