FEATURE	SA PROFESSIONAL	SA ULTIMATE	SA MACHINE
Measurement:			
Traceability	✓	✓	✓
Simultaneous Instrument Interfacing	✓	✓	✓
Interfaces with over 120 Portable Metrology Instruments	✓	✓	✓
Alignment:			
Best Fit	✓	✓	✓
Feature Based	✓	✓	✓
Points to Surfaces	✓	✓	✓
Standard Instrument Network Bundle	✓	✓	✓
Relationship Fitting		✓	✓
Advanced Network Optimization (USMN)		✓	✓
Inspection:			
Geometric Dimensioning & Tolerancing (GD&T)	✓	✓	✓
Geometry Inspection	✓	✓	✓
Build:			
Relationships	✓	✓	✓
Watch Windows	✓	✓	✓
Transformation Tracking & Guiding		✓	✓
Evaluation & Analysis:			
Queries	✓	✓	✓
Spatial Transformations	✓	✓	✓
Robust Fit Algorithms (NIST & PTB certified)	✓	✓	✓
Measurement Uncertainty Analysis	✓	✓	✓
Relationship Optimization (multiple moving objects)		✓	✓
Reverse Engineering		✓	✓
CAD Interface:			
Standard CAD Exchange (IGES, STEP, etc.)	✓	✓	✓
Native CAD Access (CATIA, ProE, NX, etc.)	✓	✓	✓
Automation:			
Automatic Measurement	✓	✓	✓
Measurement Plan Scripting		✓	✓
Software Development Kit (SDK)		✓	✓
SA Reporting:			
Standard Outputs (Excel, Word, PDF, Text)	✓	✓	✓
Graphical Callout Annotations	✓	✓	✓
Quick Reports	✓	✓	✓
Drag & Drop Reporting	✓	✓	✓
Database Output (ODBC)		✓	✓
Pipe Fitting:			
Pipe Cut Optimization		✓	✓
Robotics:			
Kinematic Modeling			✓
Kinematic Calibration			✓
Direct Motion Control			✓
Graphical Simulation			✓