

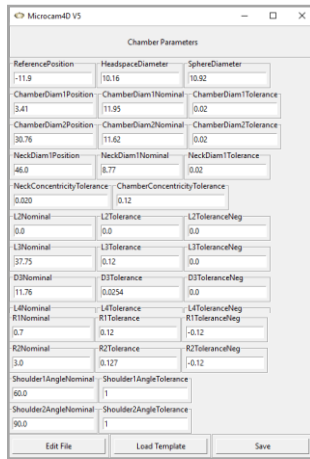


NOVACAM™ Barrel Analysis PolyWorks® Package

- ✓ Novacam-developed extension for PolyWorks® Inspector software
- ✓ Supports 3D data analysis of barrel and chamber interiors
- ✓ Speeds up and fully automates the repetitive tasks of data processing and go-no-go reporting
- ✓ Package licence is available as an option with NOVACAM™ 3D metrology systems for barrel measurement

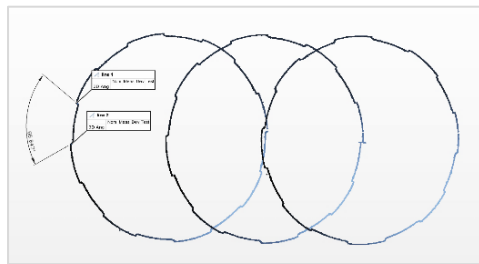
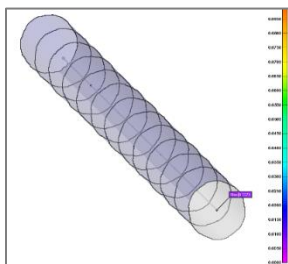
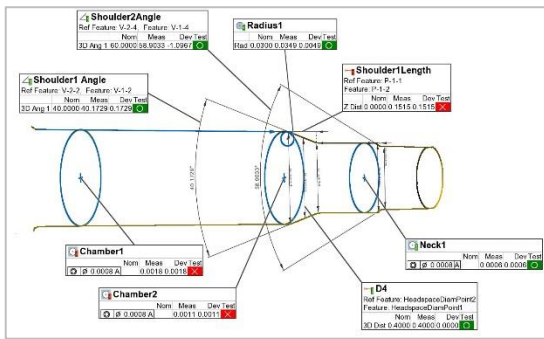
Rifle Barrel Inspection Assistant provides **dialog forms** to easily set up scanning and inspection parameters for data processing in PolyWorks. Define scan locations, nominals, and tolerances for standard inspections.

Generic rifling and chamber report templates are fully customizable.



- ✓ **Rifling inspection callouts** - bore and groove diameter, land and groove width, groove depth, number of grooves, flank angles*, rifling twist rate (constant and progressive), barrel straightness
- ✓ **Chamber inspection callouts** - chamber diameters, chamber section lengths, cone angles and concentricity, shoulder lengths and angles, radii
- ✓ **Roughness (Ra) callouts**

*For direct measurement of flank angles < 60°; available with systems that include NOVACAM™ MICROCAM™-4D interferometer.



Feature	Control	Mean	Mean	Std	Dev	Stat
Shoulder Land	5.5000	5.4997	49.0000	0.0003	0.0003	Pass
Rifling Land	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Rifling Groove	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Diameter	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Length	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Angle	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Radius	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Concentricity	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Parallelism	5.5000	5.5000	49.0000	0.0000	0.0000	Pass
Shoulder Straightness	5.5000	5.5000	49.0000	0.0000	0.0000	Pass

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