

# Geomagic Control X

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<b>USER INTERFACE</b>	<b>SCAN REGISTRATION</b>
<ul style="list-style-type: none"> <li>- Mouse Controls</li> <li>- Toolbars and docks</li> </ul>	<ul style="list-style-type: none"> <li>- Manual &amp; global registration</li> <li>- Combine points objects</li> </ul>
<b>REGISTERING SCAN DATA</b>	<b>POINTS</b>
<ul style="list-style-type: none"> <li>- Filter</li> <li>- Manual &amp; global registration</li> <li>- Combine points object</li> </ul>	<ul style="list-style-type: none"> <li>- Select</li> <li>- Reduce Noise</li> <li>- Uniform Sample</li> <li>- Wrap</li> </ul>
<b>POLYGON OBJECTS</b>	<b>FEATURES</b>
<ul style="list-style-type: none"> <li>- Make manifold</li> <li>- Mesh doctor</li> <li>- Reduce noise &amp; Fill holes</li> </ul>	<ul style="list-style-type: none"> <li>- Sphere, cone, cylinder, plane and circle</li> <li>- Feature properties</li> </ul>
<b>QUICK FEATURES</b>	<b>CAD FEATURES</b>
<ul style="list-style-type: none"> <li>- Features on a CAD REF object</li> </ul>	<ul style="list-style-type: none"> <li>- Create features</li> <li>- Additional features</li> <li>- Auto create features</li> </ul>
<b>ALIGNMENT</b>	<b>RPS ALIGNMENT</b>
<ul style="list-style-type: none"> <li>- Best fit alignment</li> <li>- Selected best fit alignment</li> <li>- Features-based alignment</li> <li>- 3D Compare</li> </ul>	<ul style="list-style-type: none"> <li>- Line/point target features</li> <li>- Auto create features</li> <li>- RPS Alignment</li> <li>- 3D Compare</li> </ul>
<b>3D COMPARE</b>	<b>BOUNDARY COMPARISON</b>
<ul style="list-style-type: none"> <li>- 3D Compare</li> <li>- Edit deviation</li> <li>- Import location set data</li> <li>- Create annotations</li> <li>- Define location set</li> </ul>	<ul style="list-style-type: none"> <li>- Compare boundary</li> <li>- Create annotations</li> </ul>
<b>GD&amp;T CALLOUTS</b>	<b>COMPARE FEATURES</b>
<ul style="list-style-type: none"> <li>- Create GD&amp;T callouts</li> <li>- Evaluate GD&amp;T callouts</li> </ul>	<ul style="list-style-type: none"> <li>- Compare features</li> <li>- Define features tolerances</li> <li>- Create feature annotations</li> </ul>
<b>2D TOOLS</b>	<b>SECTION</b>
<ul style="list-style-type: none"> <li>- 2D Compare</li> <li>- Create feature annotations</li> </ul>	<ul style="list-style-type: none"> <li>- Create solution</li> </ul>
<b>2D DIMENSIONS</b>	<b>SPECIAL WORKFLOW</b>
<ul style="list-style-type: none"> <li>- Created 2D dimensions</li> <li>- Editing</li> <li>- Created &amp; using constructions report</li> <li>- Create report</li> </ul>	<ul style="list-style-type: none"> <li>- Create inspections routines</li> <li>- Automation in the process</li> </ul>

