

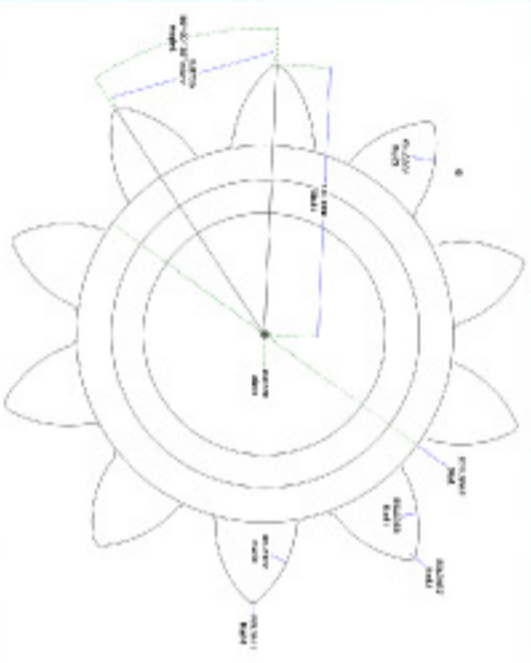
Hi-Res Camera & Superior Optics

- High Resolution Digital Camera (upto 1600x1200 video).
- Take Snapshots in multiple formats with graphics overlay!
- Optional 2X & 10X objectives (22- 654X).
- Camera settings programmable through software.
- 2X Digital Zoom (attain upto 1308X!)
- Advanced telecentric, motorised zoom assembly.

- Programmable control through software.
- Collimated profile lighting for sharp profiles.
- Quadra-zone (fixed) surface illumination.
- Optional Auxiliary flexible lighting for illuminating acute angles.
- Coaxial lighting allows seeing blind holes & precise imaging of hardness indents.



Cool, Adaptable LED Lighting



- Measurements are intuitive and graphical - just choose the entities between which you want to get the measurements.
- User Coordinate Systems are built-in. Don't waste your time aligning components.
- Digital Micrometer allows you to measure deviations from (for e.g.) CAD drawing on-screen.
- Thread and PCD tools are available.
- Focus-based Depth Measurements.
- Projectional Measurements in XZ and YZ planes.
- Sigma Mode best-fit for high repeatability.
- Overlay measurements on video and take snapshots with component.

Quick, Intuitive and Comprehensive Measurement Capability

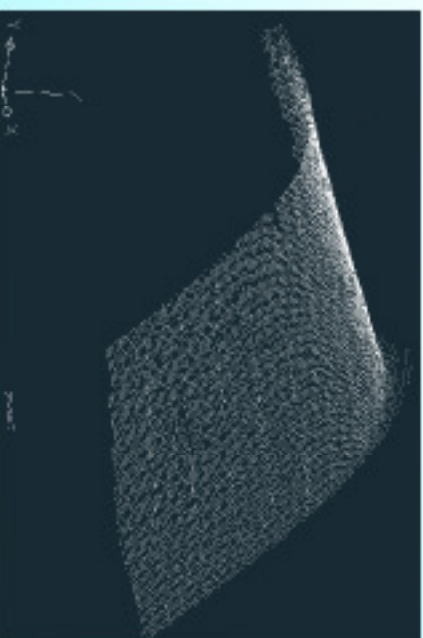
Simple and easy to use!

Value for Money!

Automated, Customised Reports

- Automated Rich Reports generated in MS Excel®
- Graphical reports in JPEG/BMP/TIFF/GIF formats
- Nominal and Tolerance values for automated conditional formatting (green shading for pass & red for out-of-tolerance)
- Row-wise and column-wise reports, customisable by user!

Non-Contact 3D Scanning!



- Focus-based scanning of surfaces is now possible
- Planes and sphere tools for 3D-measurements is available
- Export cloud points in a 3D DXF or tab-delimited text file.
- Diverse point cloud with ~ 48 points/mm²
- Adjustable area of focus for thin edge focusing and single point depth measurements.
- Depth, Plane angles and spherical measurements possible.

Trouble-shoot Manufacturing!

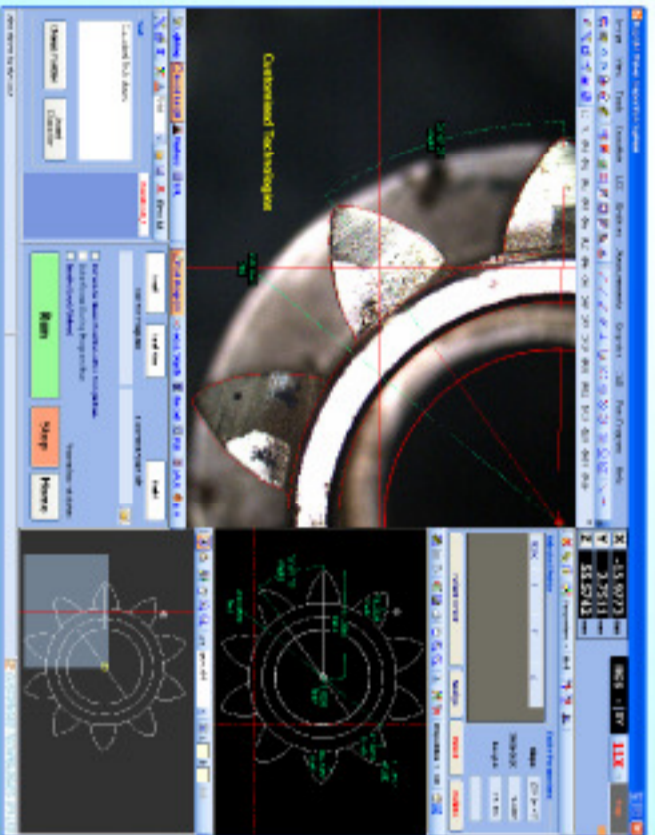
Extend Tool Life!

Versatile Point Selection Tools



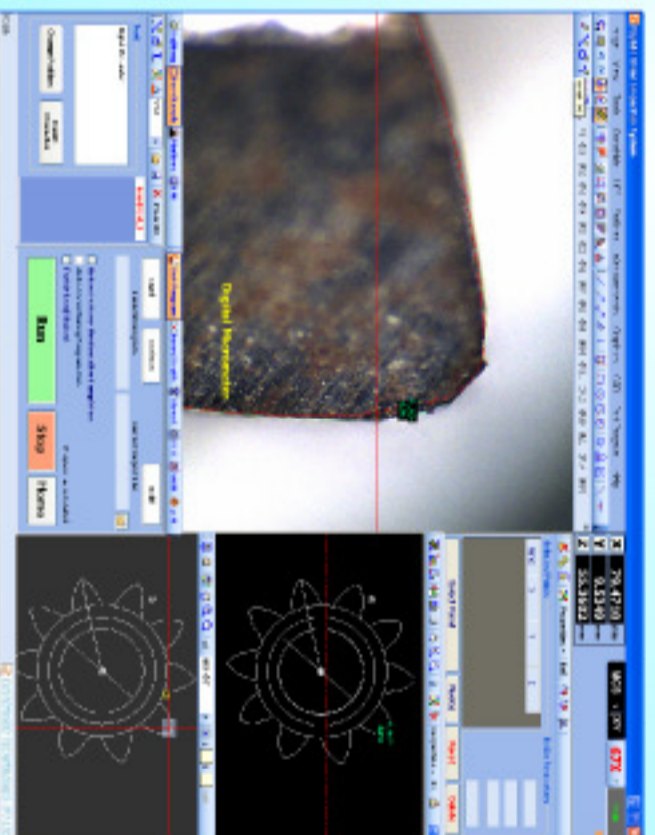
- Stable, fine, software-generated Cross-Hair (~3.7 µm at 67 X).
- Flexible (mobile) Cross-Hair - Save time and effort with this facile mouse-based point selection tool!
- Scan Mode (both fixed and flexible): Automated point selection while showing point to be picked (live scan).
- Automated Edge Detection/FrameGrab: Select many points in one shot
- Different formats to fit different edge profiles:
 - Angular Rect
 - Arc
 - Circular
 - Select direction of scan (helpful in small land components).

Reverse Engineer Components



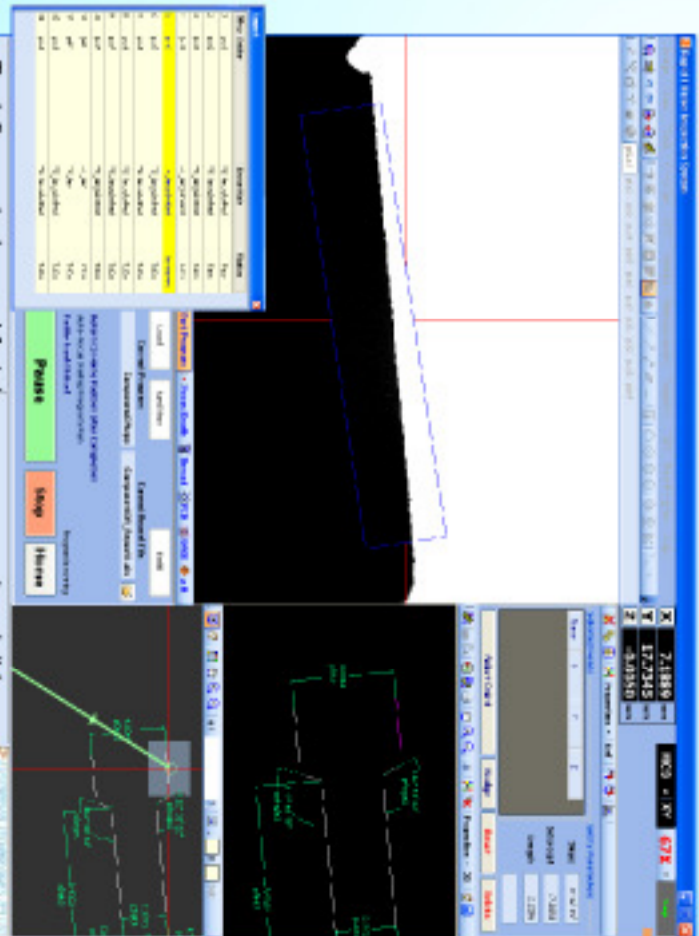
- Overlay Graphics on the video traces the component exactly.
- Drawing is generated in the process of measurement itself!
- Draft lines, Circle etc on the video!
- Draw parallel/perpendicular lines, concentric circles etc. with ease.
- Use the Fast Trace tool to rapidly trace a component.
- Single click to export to CAD (1:1 .dxf) drawing.
- Fixed graphics for Digital Figures, Digital Protractor, Text Annotation, Excel formulae etc.

Integrate Design, Manufacturing & Inspection



- Import and overlay DXF-format CAD drawings (1:1) on the component.
- Alignment tools (multiple modes) for alignment of drawings to components.
- Nudge/Rotate (with pivot) drawing for fine alignments.
- Edit CAD drawing with frame-grab etc. Add new features: after overlay & alignment!
- Export workspace into CAD drawing (DXF format) in a single click!

Fully-Automated Programming



- Teach Program is always on! Just do your measurements and click on Build to make a new part program!
- Change names of entities/measurements prior to build, and the names will be automatically transferred to Excel!
- Part Program recalls correct lighting, camera and cross-hair settings.
- Program Guide directs you to the correct position.
- Fully-automated CNC will carry out measurements automatically.
- CNC-Assisted program run is also available with surface illumination.