# HOW TO CHOOSE THE RIGHT MEASUREMENT TOOL FOR INSPECTING COMPLEX INDUSTRIAL PARTS

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# WHEN TO USE THE PROBE TOOL

- ☑ For micron-level precision on tight tolerances.
  - E.g. datums (GD&T), edges, holes, small radii.
- ☑ Specialised probes
  - Specialised probes are highly efficient for the inspection of dedicated geometric features.
  - For some critical QC, only specialised probes are allowed for the geometrical inspection.

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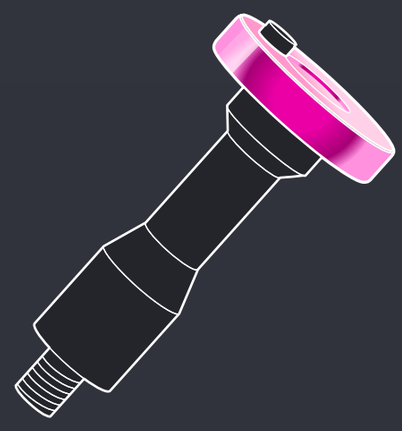
## DISC STYLI

- Used to probe internal diameters and ID grooves, such as O-ring seats. Commonly applied in hydraulic component inspection.



DISC STYLI

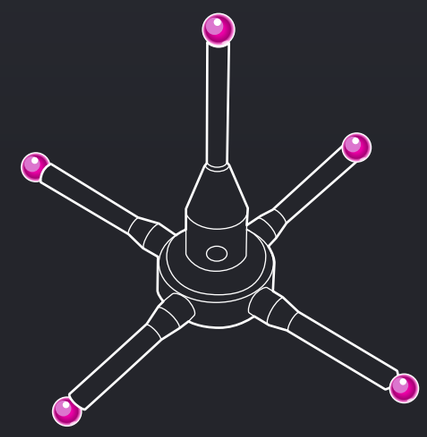
## HEMISPHERICAL STYLI

- Ideal for deep bores and rough surfaces, with roughness that is mechanically filtered out by the large diameter surface.

HEMISPHERICAL STYLI

## STAR STYLI

- For vertical or horizontal probing with a fixed sensor, including internal features like shoulders or grooves.



STAR STYLI

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# WHEN TO USE A 3D SCANNER


- ☑ Full-surface inspection
  - Ideal to capture 3D data on a large area to control globality.

- ☑ Non-contact measurement
  - Measure deformable or fragile components without risk of damage.

- ☑ Reverse engineering
  - Scan obsolete or distorted parts to create CAD models. E.g. a key application in automotive.

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# DISCOVER ADVANCED MEASUREMENT TOOLS FOR INDUSTRIAL APPLICATION

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