Straightness of an axis

ASME Y14.5 - 2018

create sections, you take the one (1) centroid of each section and use those to create an

Gauss ★

0.013

Centroid ✦

0.013

⊡ | Ø0.04

actual size: 0.013

The one-step-process:

Calculation of the center point of a circle by Gauss-algoritm.

1

The two-step-process:

1.) Calculation of the median points.
2.) Calculation of the centroid.

Thirteen cross sections perpendicular to UAME

Result:	0.0132

Result:	0.0134

So, what is the benefit when using the two-step-process?

13