## Form measuring systems from Jenoptik: Geometrical tolerancing in practice

Form tolerances according to ISO 1101

| $\square$ straightness |  |  |  | $\bigcirc$ Roundness |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| P |  |  |  |  | The tolerance zone is limited by two concentric circles at a distance $t$ apart. The $\qquad$ with zone width $t$, section plane |  | The circumference line of the toleranced cylinder must be within a circle ring of the zone width 0.1 in every radial section plane. |
| $\square$ Flatness |  |  |  | O Cylindricity |  |  |  |
|  | he tolerance zone is limited by two parallel planes distance $t$ apart, the <br> correspond to those of the workpiece area must be planes at distance $t$ apart |  | The real workpiece area must be between two parallel planes at a distance apart of 0.2 . |  | The tolerance zone for the cylinder envelope area limits the deviation of the the envelope line and thes parallelism of th to the cylinder axis. It is cylinders with distance $t$. | $\begin{aligned} & \text { Example } \\ & \text { Foloo } \\ & \square \\ & 0 \\ & 0 \end{aligned}$ |  |

Position tolerances according to ISO 1101


Run-out tolerances according to ISO 1101



Standards of practical relevance


Evaluation method


Filter stages



