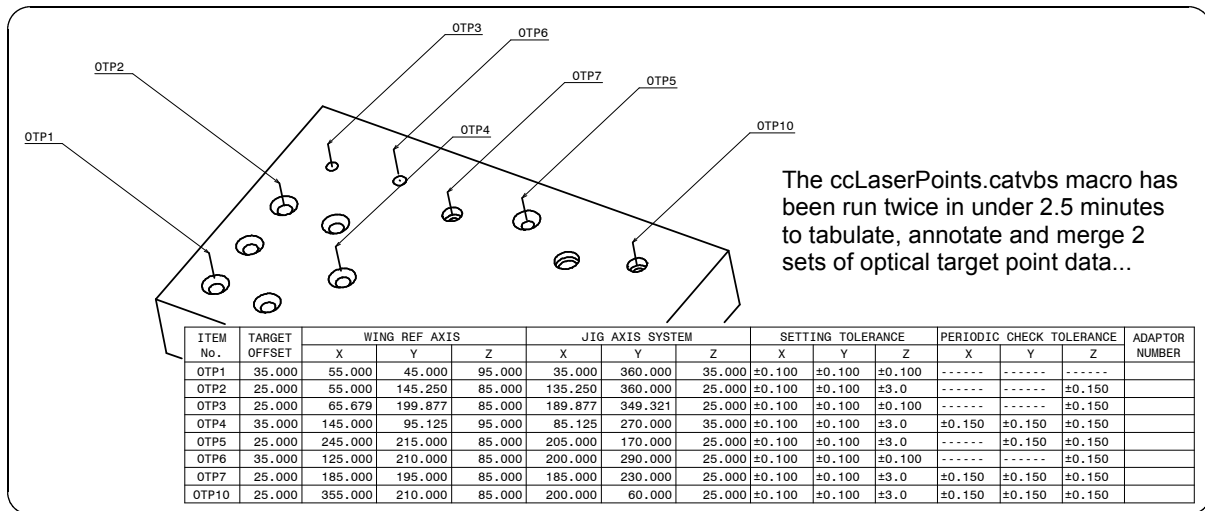


The CAD/CAM Partnership

The leading independent CATIA specialist in the UK

ccLaserPoints.catvbs



The ccLaserPoints.catvbs macro has been run twice in under 2.5 minutes to tabulate, annotate and merge 2 sets of optical target point data...

- ★ The **ccLaserPoints** macro first prompts for a body containing **Optical Target Points**, and then for **2 reference axes** to which the OTP co-ordinate values are calculated. Optionally a series of corresponding Setting and Check tolerances can be specified.
- ★ A component Part must have the same datum/origin as its parent (and current) assembly, and also contain at least one 'Hybrid Body' of points (each named in the format **OTPn**) and two axis systems (from which is generated the names of the columns of co-ordinate values). The points can exist in any order, since they are **automatically added to the table in numerical sequence**.
- ★ The single (and previously) opened Drawing is first searched for any existing OTP table. Where there is an existing table, then the **OTP annotation, offset and co-ordinate values are automatically updated** to match any modifications in 3D, and any points no longer existing in 3D can either be deleted or struck through.
- ★ For a new table, then only where there is more than one generated View does the View to be annotated need to be chosen. If the component Part also includes Lines with names matching OTP Points, then **the length of a corresponding line overrides the default Target Offset value of 25.0** and is projected for clarification into the annotated View with a centre-line style. The **orientation of each Point annotation leader is automatically set** to the most likely direction.
- ★ For any new points, the **Setting and Check tolerances** can be **efficiently selected from proposed combinations** of 3 tolerance values. These lists are automatically generated from the combination of any existing tolerance specifications and the definition of any additional values. All tolerances are assumed to be symmetrical, and the ± symbol is added automatically. The tolerances are displayed to 3 decimal places (except for tolerances greater than 0.9, which are assumed to be to 1 decimal place only). An omitted tolerance value is designated by: -----
- ★ Before the macro completes, an option is provided to write out the table contents to a **comma delimited** (and automatically named and dated) **text file**, with the ± symbol automatically removed from tolerances values.