VTube LASER
World-class Metrology for Tube Fab

CSM M3 DAF Correction Logic

Bend the Tube

Measure in VTube-LASER

Measure the part just bent at the bender.

Align the meaasured part to the master part.

Does the part qualify inside the envelope?

Yes → The part shape passes

No

Print or save VTube reports.

Bend the tubes.

Enter the VTube Bender Setup Page

Select the bender number.

Is this the first time in this page for this part?

Yes → Copy starting data from VTube-LASER into Bender Setup.

No

RECALL from the bender

Select and open the CSM DAF file being used by the bender to bend the current part.

Bender Setup is updated with the current CSM data.

1 - The blue columns are now updated with the CSM nominal + CSM correction values.

2 - The CSM object now knows the current correction values used at the bender.

3 - The number of VTube LRA rows now matches the CSM STEP rows used at the bender.

SEND Corrections to the bender

Select the CSM DAF file name to build to the bender path.

It is appropriate to overwrite the DAF file currently in use by the bender.

VTube adds its new correction values to the correction values already in the CSM data object and then builds the file.

Go to the CSM bender and load the new file that VTube just built.

The only data overwritten in this process is the CSM correction data in the DAF file. No other data is changed.