Try to measure cone and cylinder forms of industrial parts


Change to "Surface Rendering" and press "3D Measurement" button.

Select "fitting" TAB, and "cone" button.

| 3D Measurement |  |
| :--- | :--- |
| basic | fitting $\mid$ landmark |
|  |  |
| Opoint | Oline (2 points or more) |
| Oplane (3 points or more) | O sphere (4points or more) |
| Ocylinder (6 points or more) | Ocone (7 points or more) |
| - |  |



Click around cone.

Press "Set" after checking cone drawn. Select list item to show the cone information (coordinates of apex, apex angle, direction of axis, center of mass).

coordinates of apex of cone $1=0.0215364,13.0387,0.2$ ^ apex angle of apex of cone $1=0.29998$

Select "Cylinder" button, and click around cylinder. Press "Set" as well to show the information of the cylinder (diameter, direction of axis, center of mass).



| Make | Make | Make |
| :---: | :---: | :---: |
| Clear Selected | Delete | Set as Section |
| result (measuring | $\mathrm{mm} \quad \checkmark$ | (angle is degree) |

center of cylinder $1=-6.71643,12.4144,0.452002$ direction vector of axis of cylinder $1=-12.7314,0.02222$ ( diameter of cylinder $1=8.49015$

Select two list items to show geometric information between the forms (distance, angle, direction of orthogonal vector).
If "Make..." button is enabled, you can make new figure guided by them.

[Make Parallel Line]
Make line including apex of the cone and parallel to the cylindrical axis.

[Make Vertical Line]
Make vertical line from apex of the cone to the cylindrical axis.


## [Make Plane]

Make plane including both apex of the cone and the cylindrical axis.

