

VeraCAD Technology Chat

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Explanation of a pocket in the tool segment.

In VeraCAD cross-section 1 and 2 alltimes is outside of the tool segment. The first section (section 1) cannot be deformed. It is in the manipulator tong.

Now we like to make a pocket with raw material dimension in the tool segment entry section (section 2). The total length of un-deformed product end now is $L1 + L2$.

What are the advantages of such a pocket ?

The tool segment will hold the part in a proper position.

The cone angle between cross-section 3 to 4 can be formed more precise. The rotation of the workpiece can be avoided because the tool segment covers the workpiece completely.

The pocket will align workpiece centerline and tool centerline. This will avoid bending of the workpiece.

At cross-section 3 the rounding radius can be provided, because now it is in the tool segment.

Not deformed raw material

