Not compatible with Goodwin

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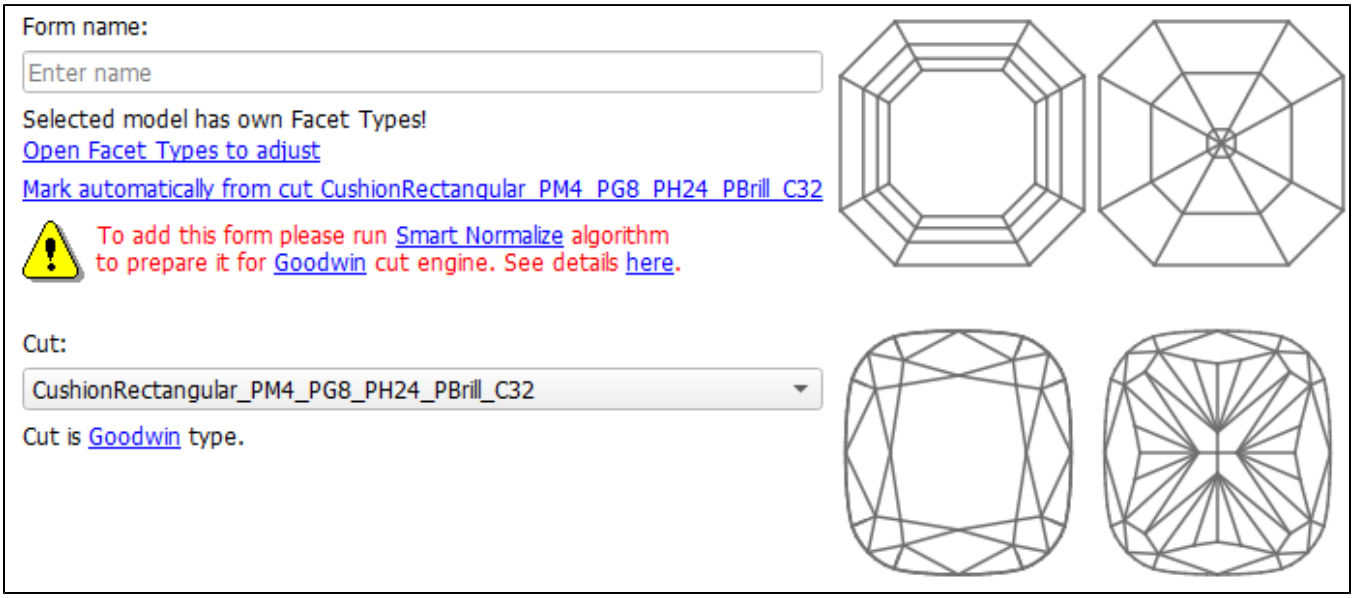
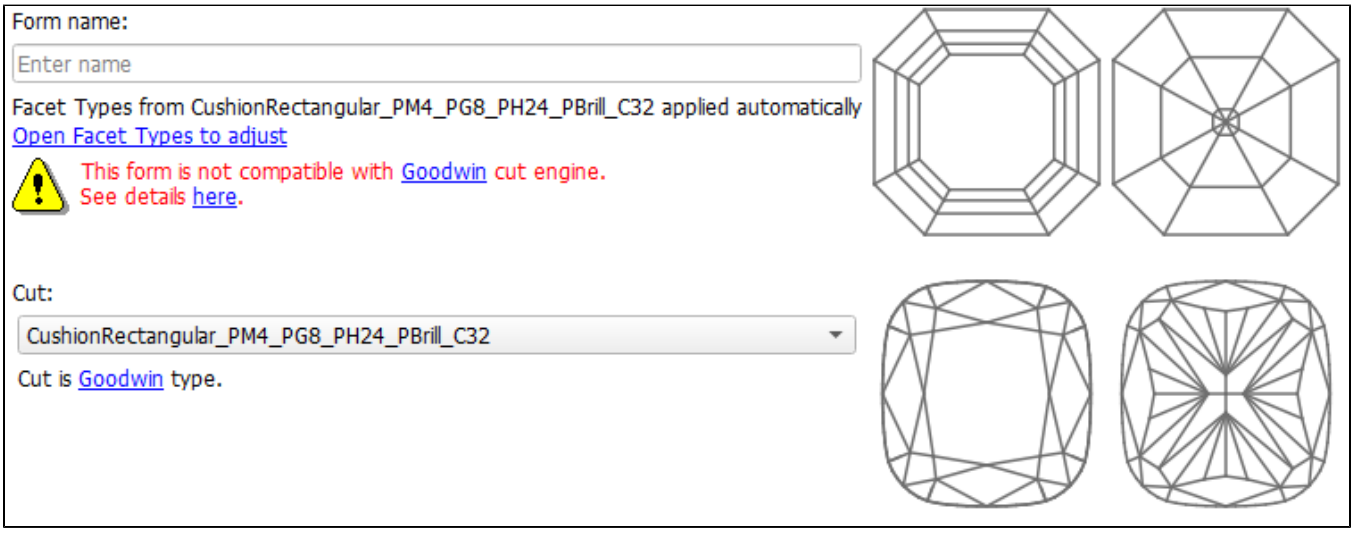
Description

When you try to add allocation forms to some cut, you cannot do it and get the message:



Or (for already normalized forms):



Reason

Cuts, not belonging to the "Base Cuts" category, usually have a limited set of parameters. For some of them, the ***Goodwind*** cut engine is applied which extends the set of parameters - adds slopes. Thus, you can control more parameters for these cuts.

There are some limitations to such cuts:

- "4+ facets" limitation:
    - "4+" facet is a facet with 4 or more vertexes (junctions are the most common reason for the triangle facets to become "4+").
    - Goodwin checks every vertex of the model.
    - At each vertex, only 3 or fewer "4+" facets should converge.

      > ⚠ Table, culet, and facets of the girdle are not taken into account.

      See the Example below.

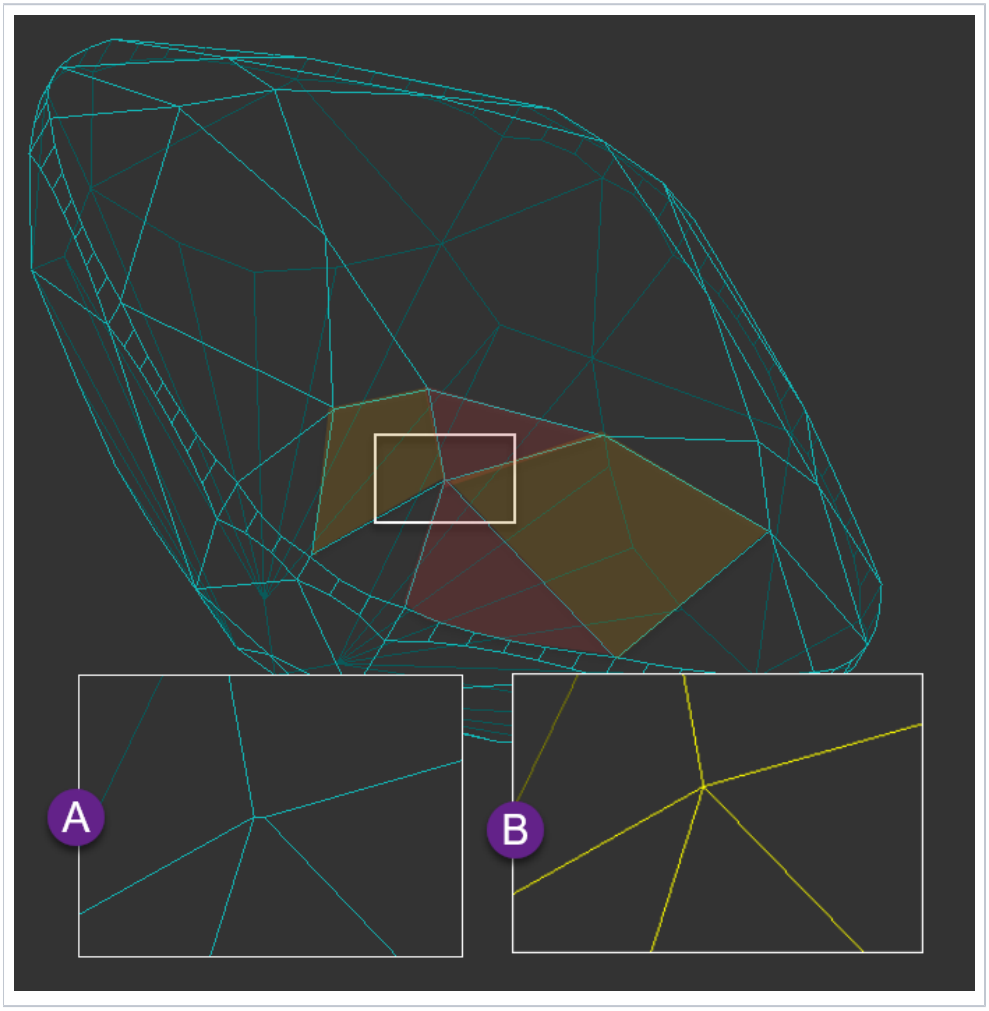
- Facet types should not have serious errors (like some of the facets on the pavilion marked as the crown facets).

How to solve

1. To solve the 4+ vertexes problem, try running Smart Normalize. If this does not help:
2. Check facet types of your model.

Example

Here is an example:



- A - before Smart Normalize
- B - after Smart Normilize
- Yellow facets have 4 vertexes
- Red facets have: 4 vertexes before SN, 3 vertexes after SN

Thus:

- before SN, at the center vertex, 4 facets with 4 vertexes converge - not good for Goodwin
- after SN, at the center vertex, 2 facets with 4 vertexes converge - good for Goodwin