Solid Edge ActiveX Automation

Creating Automation Client Using Visual Basic to change dimensions of parts in an assembly

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Solid Edge ActiveX Automation

Problem

- A Link assembly with various part relations and constraints
- User may not know changing assembly in SolidEdge
- User may not know constraints on dimensions, e.g. manufacturing
- Solution, automation of SolidEdge
- Excel is used as automation client and SolidEdge acts as server
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WEB/LOCAL MACHINE
Solid Edge ActiveX Automation

How ActiveX Automation works?

- In Solid Edge, every document, every part, and every feature of that part is treated as an object.
- These objects are related to each other as per Object Hierarchy.
- Has its own set of properties and methods.
- Using these objects and their properties and methods, we can interact with Solid Edge to create, edit, and query the objects.
- Can program these objects using Visual Basic because Solid Edge has exposed them, that is, made them available to automation.
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DEMO
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References

- *Programmer's Guide, Customizing Solid Edge*
- *Solid Edge Help*
- *Microsoft Visual Studio Visual Basic Help*