UGS

Transforming the process of innovation

Solid Edge Weldments

Art Patrick
Solid Edge Planning

Solid Edge Weldments

- Weldment Assembly Overview
- Demonstration
- Futures
- Questions

Now in Assembly!

Assembly Weldment Overview

- Added all Weldment Features to Assembly
- Assembly Modeling workflow (No need for pwd file)
- New Groove Bead feature command
- Thread Feature in Assembly
- Weldment Parts Lists and Reports Options
- Associative Save selected model
- Addresses over 100 ERs and PRs

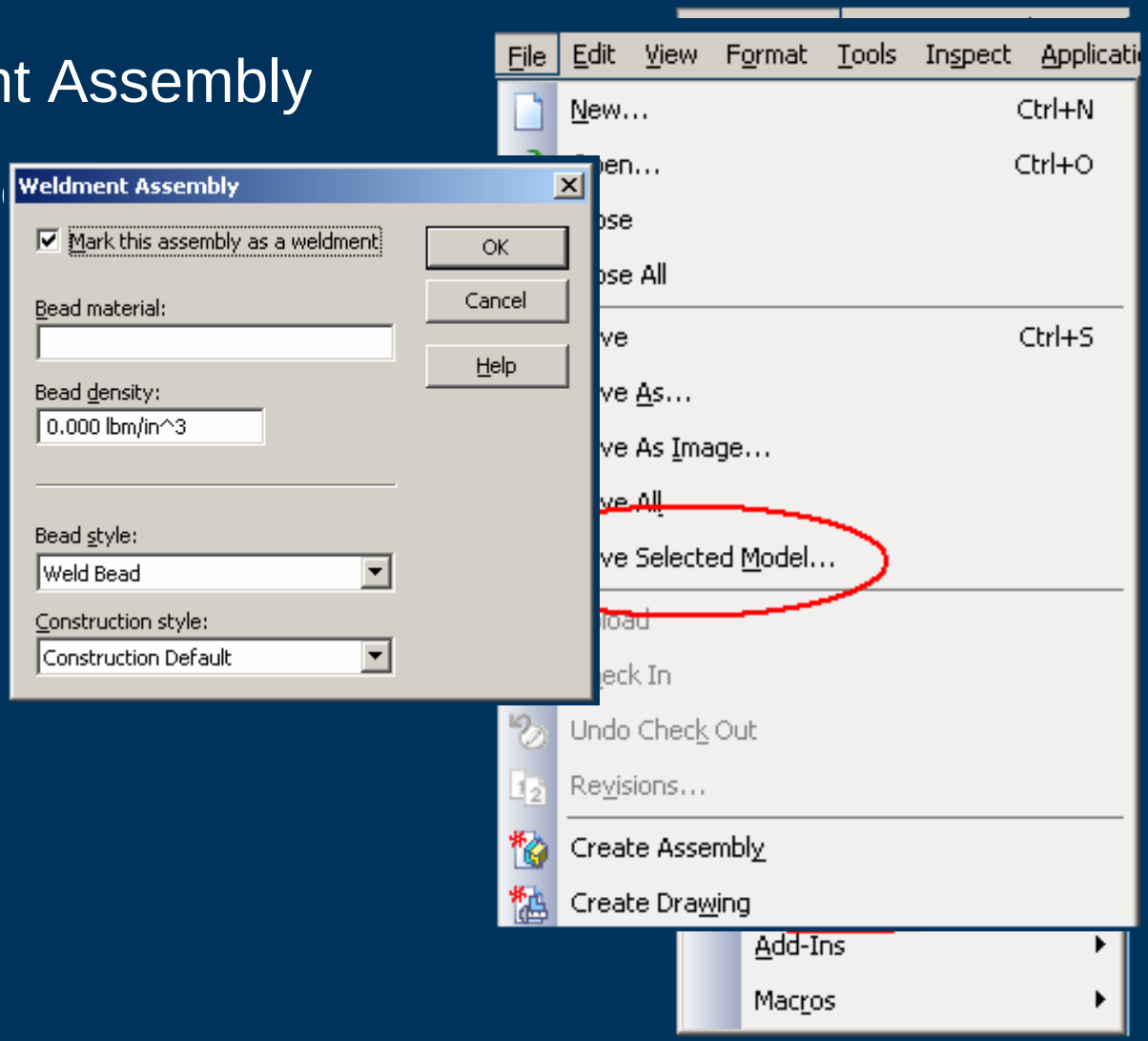
Weldment Assembly Features

- Protrusion*
- Revolved Protrusion*
- Swept Protrusion*
- Thread
- Chamfer
- Fillet Weld*
- Groove Weld*
- Label Weld
- Stitch Weld

*Supports Mirror, Pattern and Pattern Along Curve (Using the Fast Pattern option)

New Assembly Commands

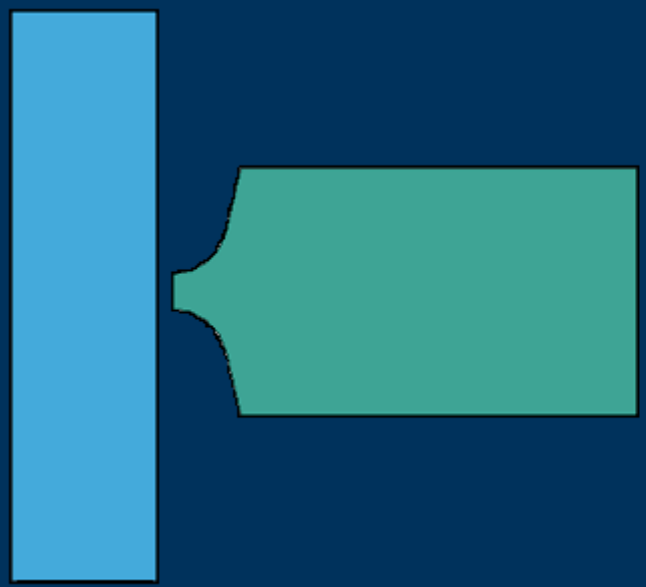
- Weldment Assembly
- Save Sel

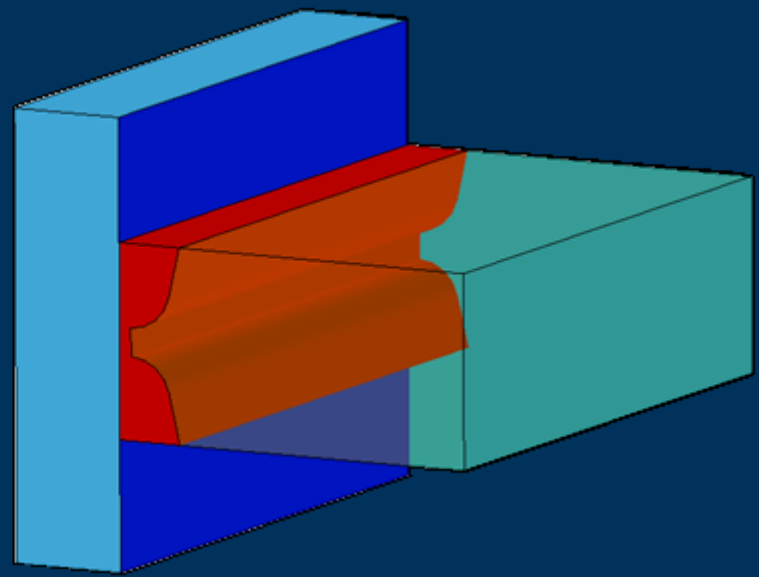


Groove Bead (New for V18)

- New Feature
- Availab
- Design

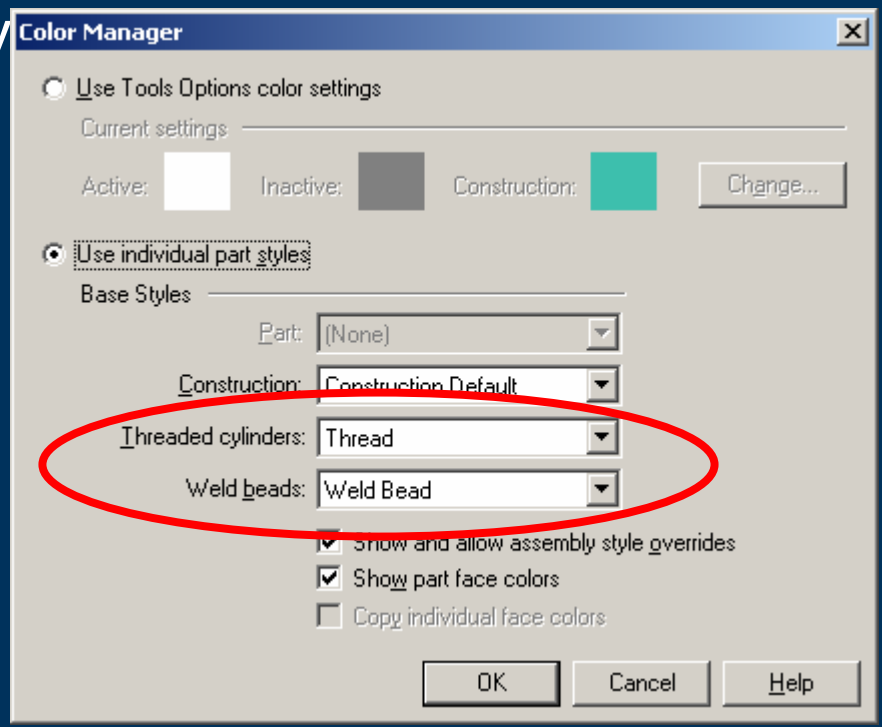
bead





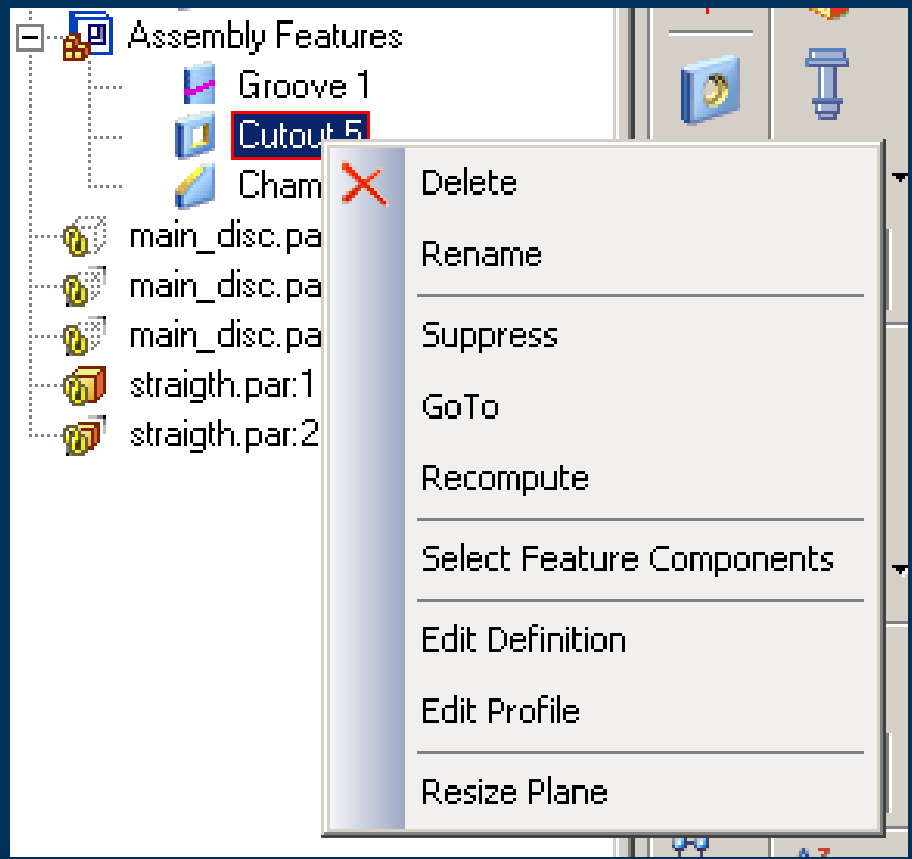
Supporting Functionality

- Bead display using Assembly Configurations
- Tools/Color Manager Enhancements
- Assembly



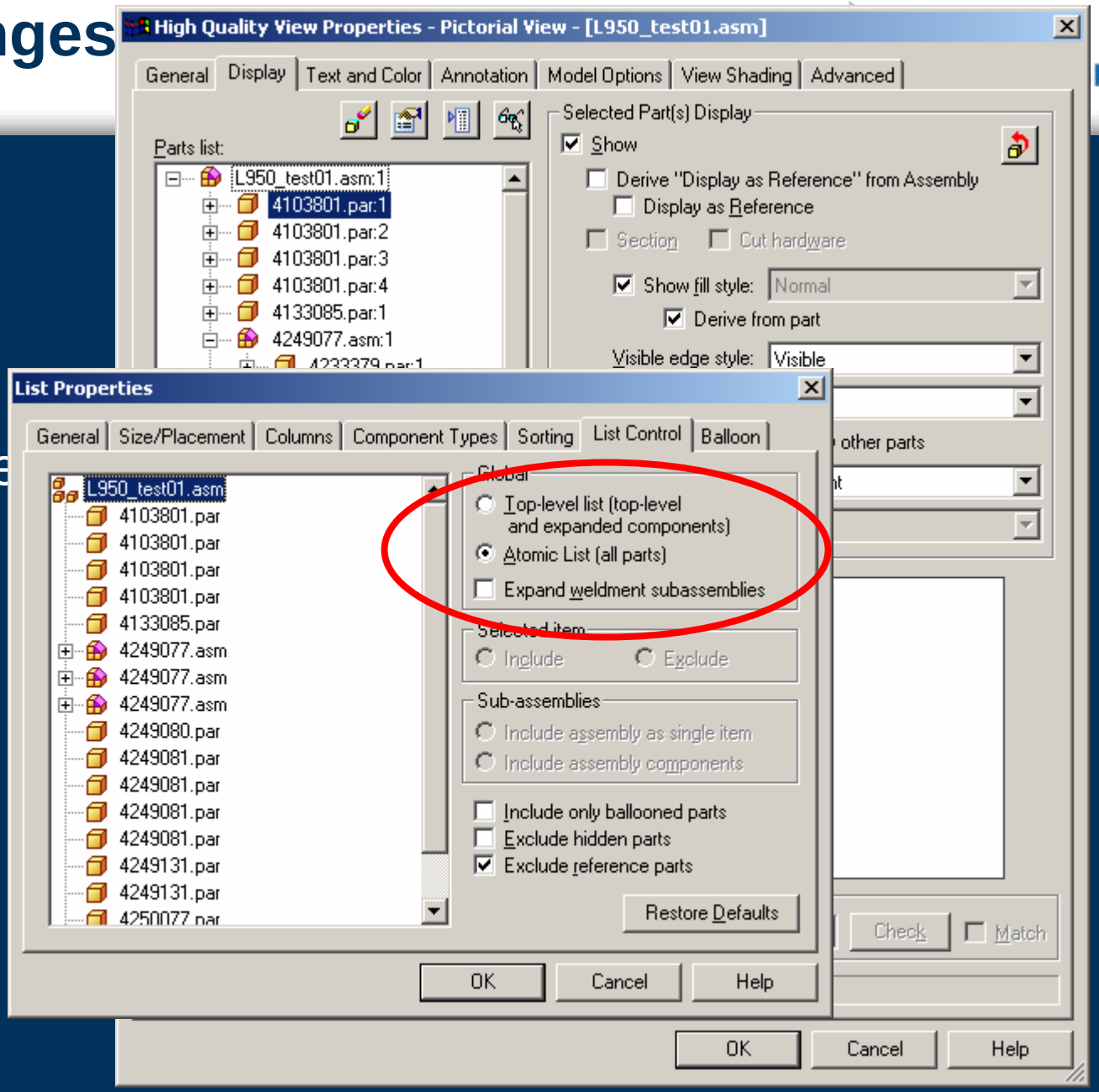
Supporting Functionality (Cont'd)

- Bead Physical Properties
- New Weldment.asm templates
- Assembly Feature Shortcut menu



Draft Changes

- Drawing View Properties
- Parts List
- Turning off Asse displayed. (Like



Process Documentation

- Use multiple assembly files if you need to document each process.

  AsWelded.asm and AsMachined.asm

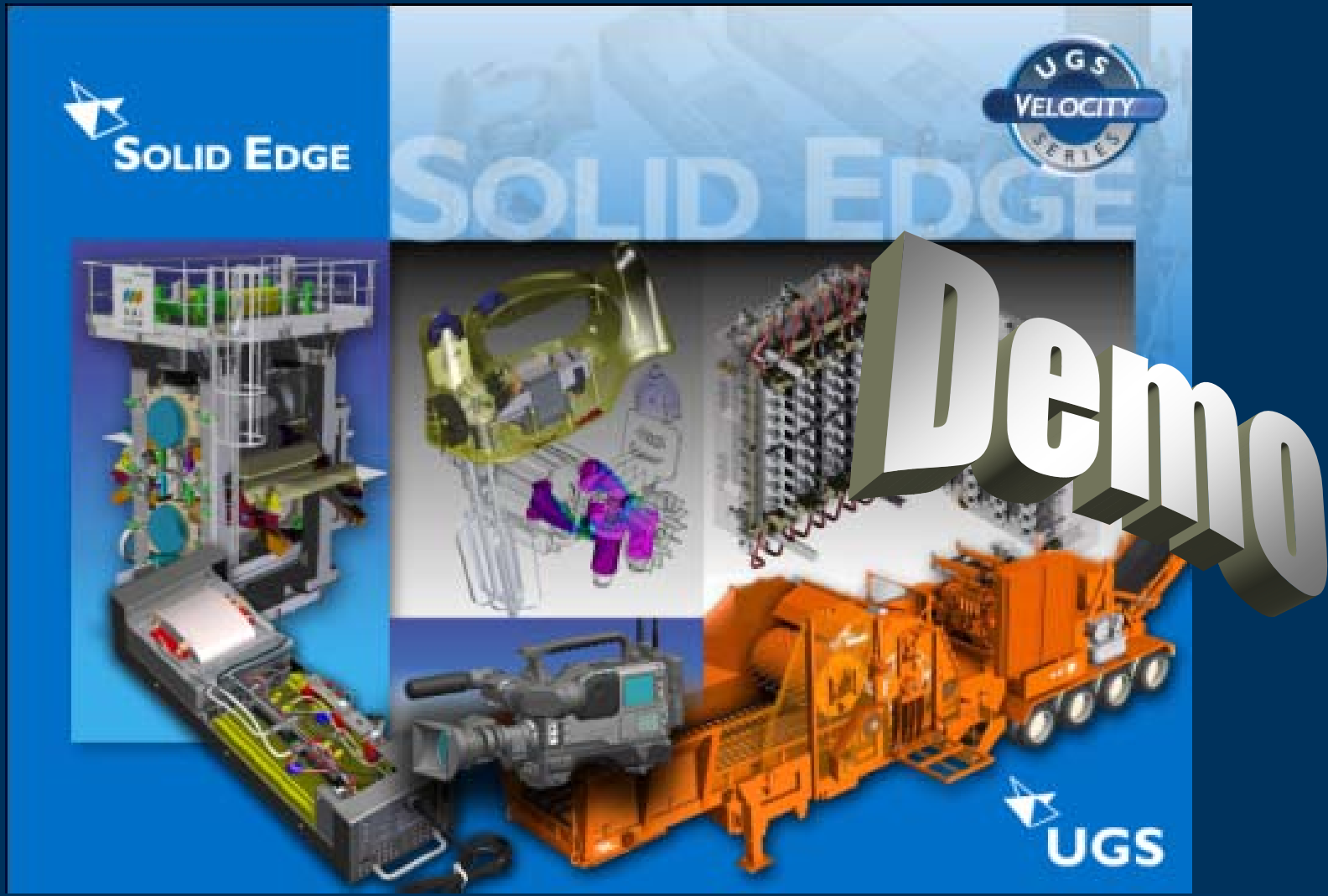
OR

- Control the display in draft if you do not add preparation in assembly.

OR

- Use Family of Assemblies

Demonstration



Futures

- Improve Fillet Weld
- More bead features
- Improve Weldment process definitions/drawings
- Weld Tables in Draft (Length, Mass etc.)

Solid Edge Weldments

SOLID EDGE

Questions?