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# NX Advanced Surfacing



## 1. Basic Curves and Spline Creation:

- Curves from Curves
- Curves from Bodies
- Edit Curves
- WCS Operations and Orientation

## 2. Feature base surfacing:

- Emboss
- Offset Emboss
- Sew/Unsew
- Patch
- Join face
- Quilt
- Trim Sheet
- Trim & Extend
- Untrim
- Divide Face
- Wrap Geometry
- Face blend
- Soft blend
- Offset surface
- Variable offset
- Rough offset



### 3. Surfacing:

- Free form surfacing
- Bounded plan
- Sheet from curve
- Though curve mesh
- Though mesh
- Ruled
- Swept
- Face blend
- Soft blend

### 4. Advanced Surfacing:

- X form
- I Form
- Move pole
- Match end
- Transform
- Deform
- Edge symmetry
- Global shaping
- Global information
- Enlarge
- Refit
- Flange Surfaces



## 5. Analysis

- Surface analysis
- Draft analysis
- Reflection analysis
- Continuity check
- Tolerance analysis
- Model compare
- Moulded part validation
- Space Finder
- Examine Geometry