

# OneGeometricModeller Use Case

## Dependency

CAD/CAM Systems  
eg: Solidworks  
eg: SolidCNC  
eg: MasterCam

Data Converter

Geometry kernel data

### Modifications

Grouping

Visual  
Editing

Healing

Simlifying

Positioning

A file address  
\*.dxf  
\*.iges  
\*.parasolid  
\*.step

Get back geometric definition  
as human readable text  
Faces, Edges, Vertex with IDs  
Visual data as color  
Position data as transformation  
matrix  
Group name and geometry  
data inside that group as ID  
sets

## OneCADCAMIntegration

### OneView

#### OneGeometricModeller

Order import  
geometric models

Order modifications on  
geometries defined by a set of  
IDs