



## **IX Sheetmetal Design**

### ***Design Manufacturing-Ready Sheetmetal Products***

IX Sheetmetal Design is dedicated to the design of sheet metal parts. Its feature-based approach offers a highly productive and intuitive design environment. It allows concurrent engineering between the folded or unfolded representation of the part. IX Sheetmetal Design can be cooperatively used with other applications of the IX SPeED V5 suite, as sheetmetal design may start from scratch or from an existing solid, communication between suppliers and contractors is enabled.

#### **Key Benefits:**

*Feature-based modeling.* IX Sheetmetal Design offers design flexibility and functionality for the creation of sheetmetal parts and assemblies. Designs can be created from scratch or within an assembly context. Dedicated sheetmetal features including Wall, Bend, Relief, Wall Cut, and Thin Extrude are provided, as well as dress-up features such as Pocket and Pattern.

*Folding and unfolding capabilities.* IX Sheetmetal Design offers the ability to carry out the folding and unfolding of a sheetmetal part.

*Concurrent engineering.* Associative features can be created on both folded and unfolded representations. At any time during a design, with no prerequisite operations, any sheetmetal feature can be specified as a folded or unfolded part representation.

*Access to company-defined bending tables.* The management of bend radius, allowance and sheet thickness adheres to company defined standards.

*Integrated with other IX V5 applications.* A Sketcher is included for rapid definition and edition of sheetmetal part profiles. The product is associative to the 3D part and assembly definitions. Sheetmetal feature recognition is based on existing solids. Wall and bend recognition can be performed on any developable solid, based on solid geometry (independent from solid design methodology). Associativity is maintained between solids and the generated sheetmetal features.

*Dedicated drawing capability.* Unfolded and folded views can be generated in the same sheet, using specific settings such as bend axis.

*Compliance with industry standards.* Through the generative drafting product, documents can be extracted in a DXF format for downstream applications like nesting and cutting.

**Prerequisite:** IX Design V5

#### **Contact ImpactXoft**

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