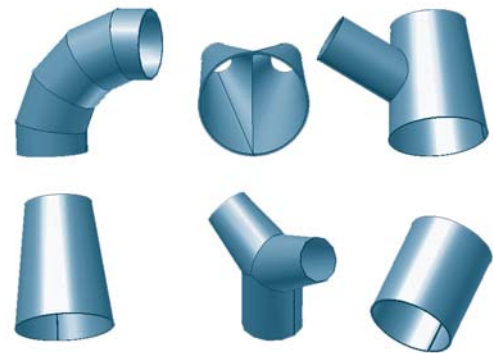
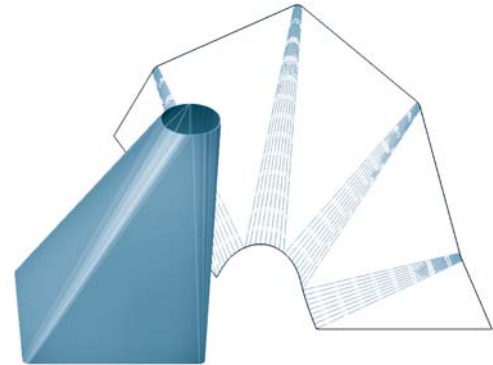


# From prototype to finished product

## SPI SheetMetal Inventor Suite

### Design and unfold pipe components

SPI SheetMetal Inventor Suite offers comprehensive ducting features and therefore - besides its impressive basic sheet metal functionality - it is the application for design and unfolding of complex pipes and ducting components with Autodesk Inventor, either as single parts or as components of assemblies.



With the SPI SheetMetal Inventor Suite high sophisticated sheet metal requests will be solved. The template driven precise creation of new parts leads to ready-to-manufacture blanks in seconds. Modifications are done fast and easily. The files can be transferred to NC programs.

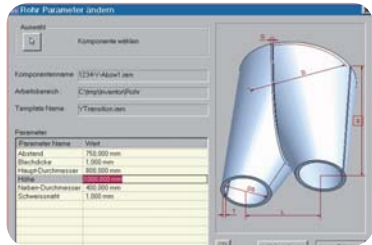
SPI SheetMetal Inventor Suite offers an extensive library of several components: standard parts, transitions, connectors and flanges, also supports creation of arbitrary transitions as well and delivers precise blanks of sharp-cornered and filleted sheet metal parts.

Regarding the sheet metal specific technology SPI offers a very user friendly interface: At first you select a category (e.g. Connectors) then you pick one of the special components (e.g. Symmetrical T-Connector) and a dialogue with the parameters of the corresponding shape or connection is displayed.

The ducting features are valuable add-ons to the basic Inventor functions. They are very productive tools from the beginning, due to the easy handling, the precise parameter definitions, the automatic assembly design and the predefined material data.

Whenever you pick one of the parameters in the sketch that is displayed on the right hand side, the cursor will automatically be positioned in the correct row of the table on the left hand side, where you define the values of the parameters to your specific needs. And, if you position the cursor in a table row, the corresponding parameter will be high-lighted in the sketch. Due to that any handling error will be impossible.

The easy handling, the precise parameter definition, the automatic assembly design and the predefined material data, let SPI Ducting Inventor appear as a valuable add-on to the basic Inventor functions and allows a fast return-on-investment.



Several combinations of circular, rectangular and filleted transitions are offered in clearly arranged dialog boxes and are created as bendable parts at the push of a button.

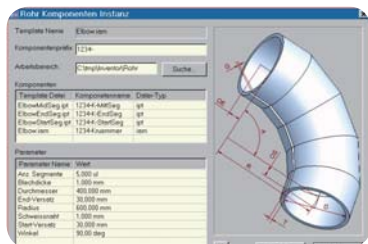
SPI SheetMetal Inventor Suite supports creation of arbitrary transitions as well and delivers precise blanks of sharp-cornered and filleted sheet metal parts.

Of course several instances of equal components may be used within the same assembly. The delivered library can be expanded by self-defined templates. Such definitions are done fast and easily.

The current version offers the following components:

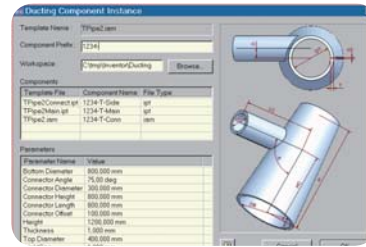
## Standard parts

- Pipe
- Chamfered Pipe
- Cone
- Elbow
- Rectangular Pipe
- Rectangular Cone



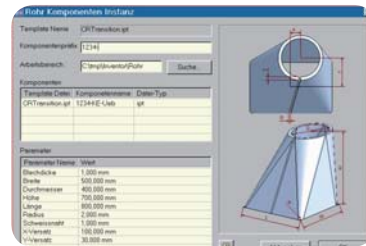
## Connection

- T-Connection, symmetric
- T-Connection, asymmetric



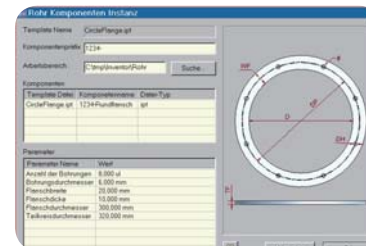
## Transitions

- Transition circle - circle
- Transition circle - rectangle
- Y- Transition, symmetric
- Y- Transition, asymmetric



## Flanges

- Rectangular Flange
- Circular Flange



## Target markets:

HVAC, design of chemical plants, chemical and pharmaceutical industry, iron and steel production, dedusting and dust recovery systems, filtering installation, heating facilities, planning of cement plants, aerating, ventilating, machine and plant design, vent pipe design, ensiling, desiling, design of cooling ducts, power plants, utility industry, shipbuilding industry, transportation systems for flour mills, transport of granulates, food process engineering, water filtering and purification system installation, water supply, dewatering, pulp and paper industry.

