

## SPI WiCAM Interface

### Ready for NC-Programmierung

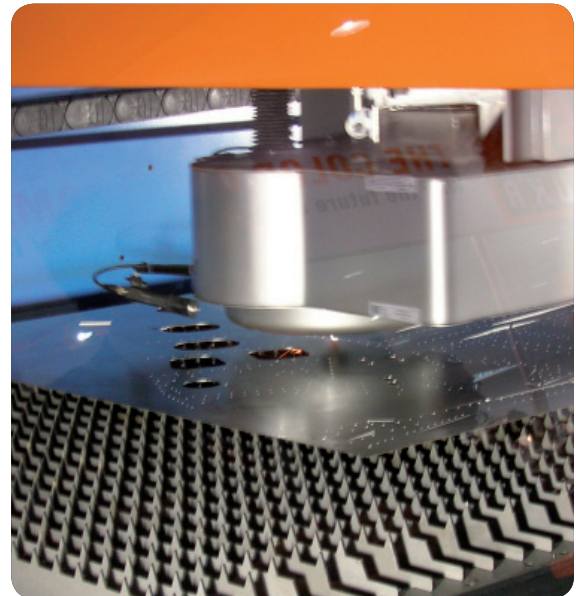
The SPI WiCAM Interface allows the direct transfer and export of the unfolding geometry from SPI SheetMetalWorks to an XML-file, which can be used by the PN4000 software of WiCAM.

When using this interface SPI SheetMetalWorks provides the possibility to directly use the calculated data from the unfolding for CAM-programming with PN4000 due to the fact that geometric and specific manufacturing data are available at the push of a button.

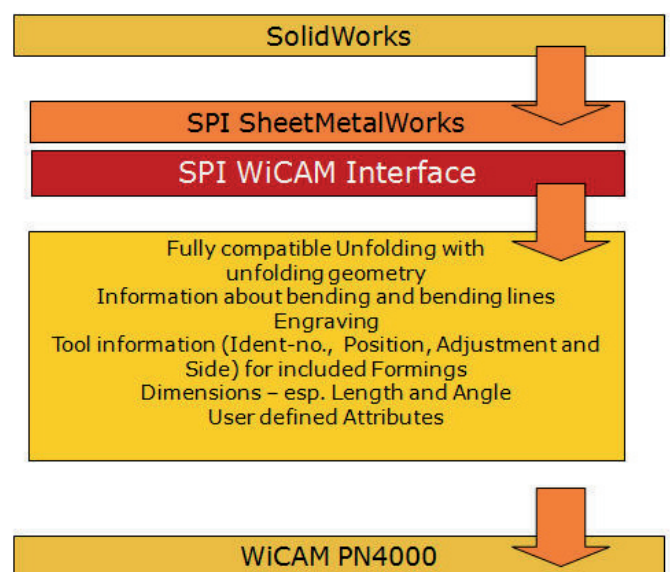
Sheet metal designers know that parts cannot be bent with just an arbitrary small inner radius. The material and the combination of „upper and lower tool“ selection determine the smallest possible radius.

Thus, exact compensating factors have to be considered when calculating the elongated length. This also assumes a functional, comprehensive and precise flow of information between the various departments involved.

Many companies still generate NC-programs at the bending machine. This causes unnecessary machine down time that could otherwise be utilized producing additional parts. „Offline“ preparation of NC code in the planning department and the digital transfer of this information to the machine allow this „value-added“ part production to take place. With the SPI WiCAM Interface, another tool for the „Sheet Metal Process Chain“ is available, supporting a close cooperation between the design, planning and production departments.



Designing sheet metal parts using the true process information and conditions of the prescribed machines and tools guarantees absolute precision. This eliminates the possibility of faulty input of technology data.



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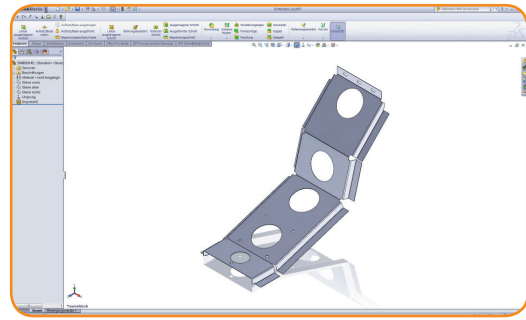
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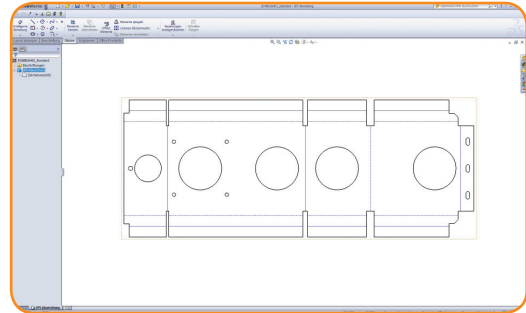
To create such an XML-file, use the command **Create unfolding** and select as target **WiCAM-file**.

The XML file contains

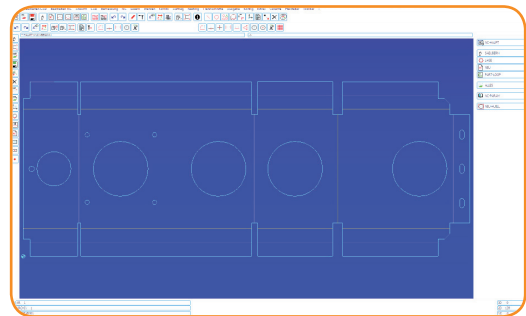
- unfolding geometry
- information about bendings and bendinglines (angle, radius, shortening and position)
- engraving
- tool information (ident number, position, adjustment and side) for included formings
- dimensions - (esp. length and angel)
- user defined attributes



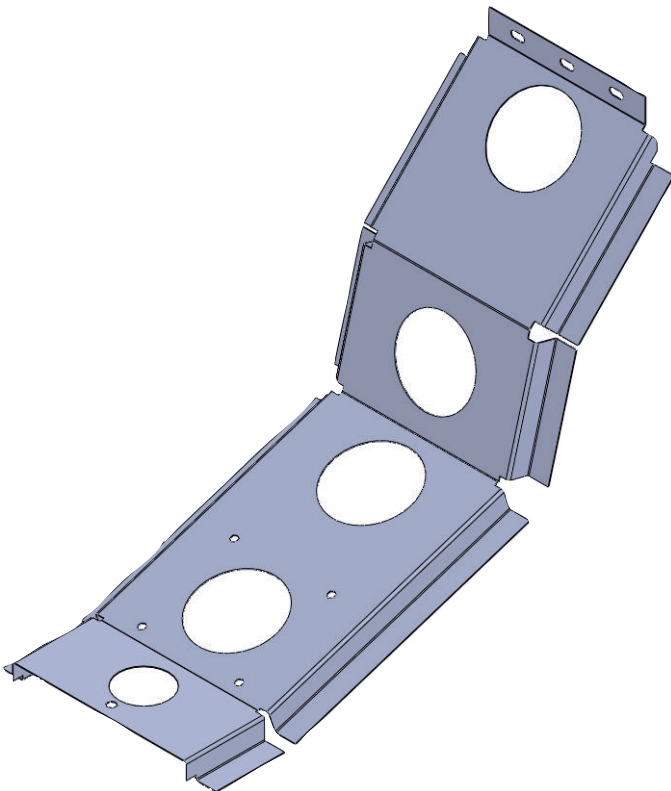
*Design in SolidWorks*



*Unfolding with SPI SheetMetalWorks*



*Import to WiCAM PN4000*



## Highlights

- Creating the XML-file
- Driving the XML-Exports via unfolding parameters
- Defining an individual path within the unfolding options
- Definition of XML-export parameters
- Comfortable rework of the XML-file
- Direct use of the unfolding in PN4000 from WiCAM