

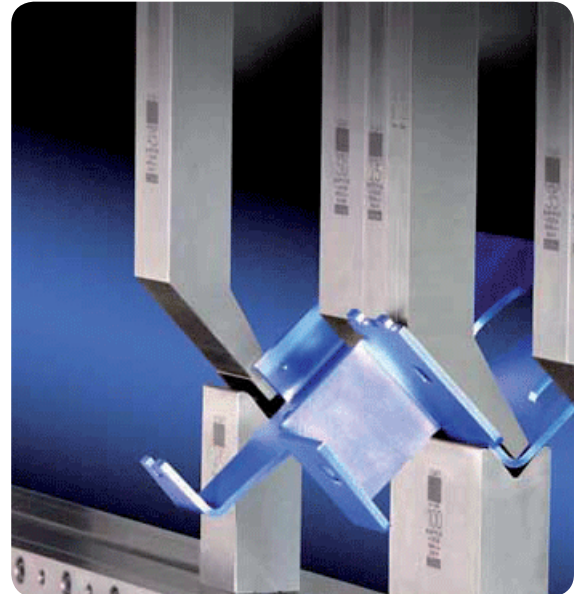


Ready for NC-programming

SPI TruTops Interface

Ready for NC-programming

The new SPI TruTops Interface allows you to use the bending process information from TruTops Bend™. You can read it directly into the SPI material management database and use it during the design process with AutoCAD, Mechanical Desktop and Autodesk Inventor. The generated unfolding is fully compatible with the calculation methods of the NC program TruTops Bend™ and delivers all necessary process data. You can directly transfer the unfolding from SPI to TruTops Bend™ without the need for revision.



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 TruTops 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.

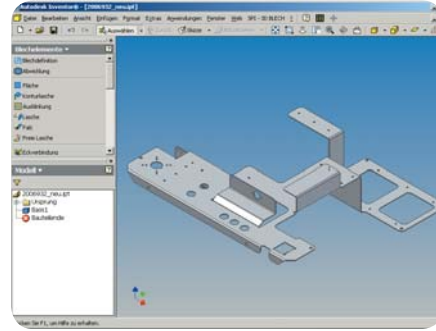
SPI TruTops Interface

The new SPI TruTops Interface allows you to use the material and bending process information from TruTops Bend. You can read it directly into the material management database of the SPI SheetMetal solution, and use this data during the design with AutoCAD, Mechanical Desktop and Autodesk Inventor.

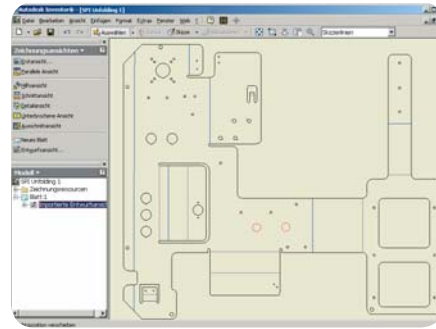
It is now possible to use the same tools that have been defined in TruTops Bend during the initial design phase. Using this process the exact bending radii are guaranteed. The generated unfolding is fully compatible with the calculation methods of the NC program, TruTops Bend, and delivers all necessary production data.

You can directly transfer the unfolding from SPI to TruTops Bend without the need for rework.

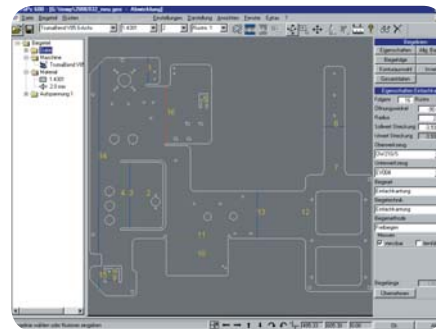
The required bending information provided in the DXF-format will include angle, radius, bending tool combination, etc. This developed blank can then be used directly for simulation and NC-code programming.



Design with Inventor



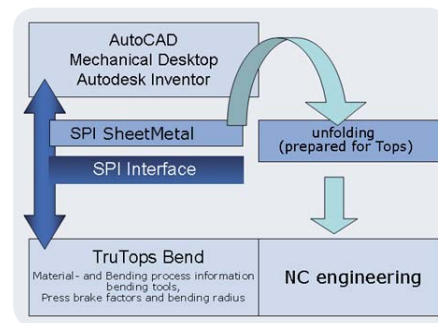
Unfold with SPI



Import to TruTops

Highlights

- Transfer of material and bending process information including press brake factors and radii from TruTops Bend to AutoCAD, Mechanical Desktop and Inventor
- Bending tools predefined in TruTops Bend can be used during the initial design phase
- Access to production radii
- Eliminates faulty and redundant input of technology data
- Unfolding fully compatible with the calculation methods of TruTops Bend
- Transfer process data for bending directly to TruTops Bend
- Used bending information (bend angle, radius, tool combination, bending technology) available in TruTops Bend (enhanced DXF-format)
- Unfolding can be used directly for process simulation and NC-code programming



Seamless Workflow