PIPEFAB B

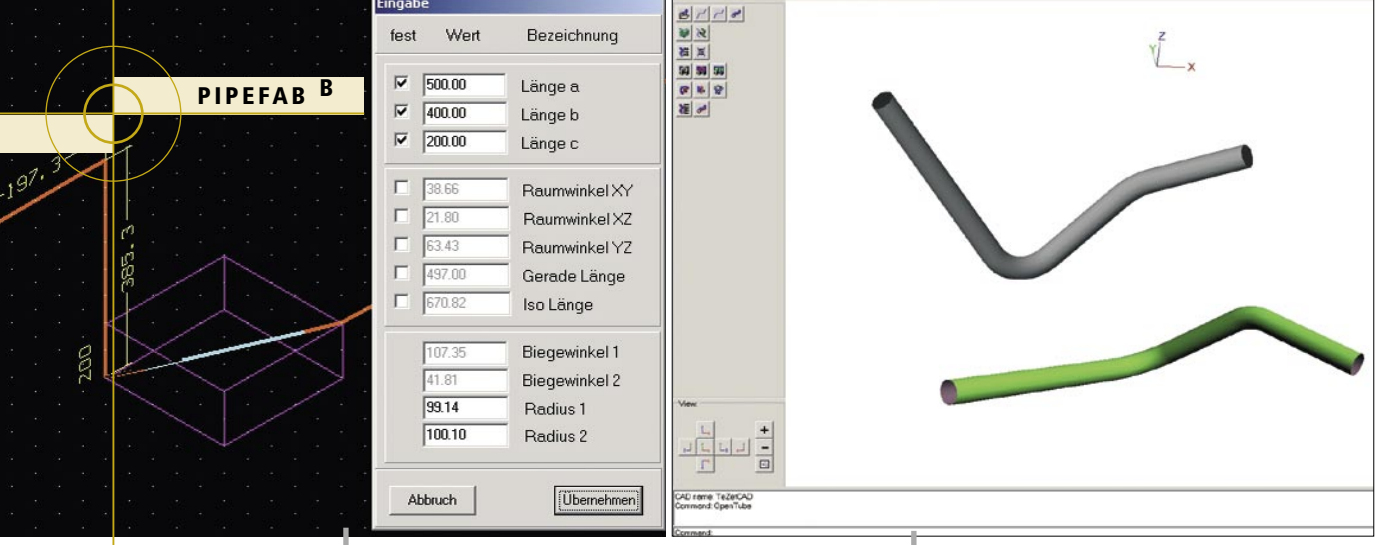
Tube Bending Software

Well planned is well bent!

Isometric drawing • Simulation • Bending

TT-GROUP

TRACTO-TECHNIK GmbH

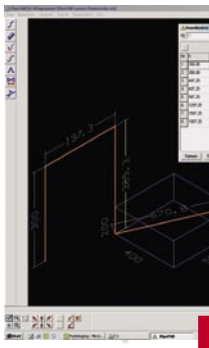


Entry of the tube shape as drawing with length and angle dimensioning.

Tube data can also be taken from CAD or 3D measuring systems.

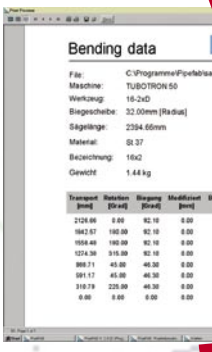
The result is precisely calculated

Planned at the computer ... for efficient tube bending



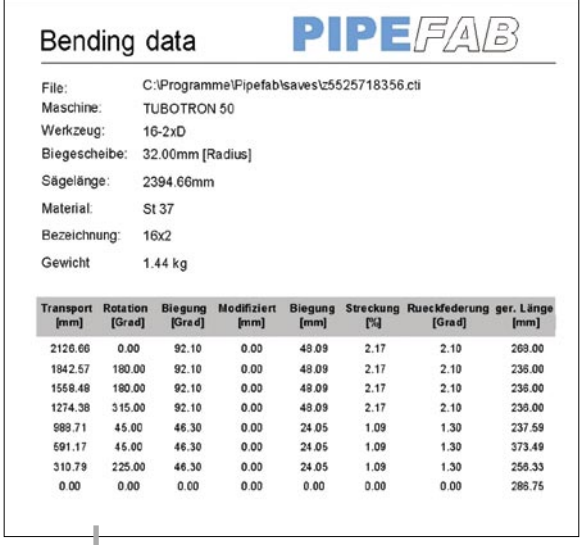
In series production as well as in single production the times and costs for tube bending can be effectively reduced by using a tube bending software. Especially when producing tube figures at batch-size 1 it's important to avoid spoilage. The first tube has to fit!

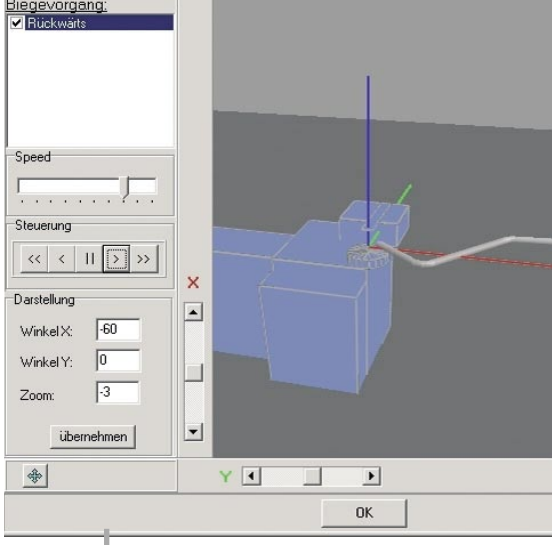
With Tracto-Technik's tube bending software PIPEFAB B the isometric drawings of tube figures as well as the complete bending data including collision check can be generated in no time.



Input of the tube figure can occur by drawing with length and angle dimensioning, as XYZ coordinates or vector entering. Interfaces to CAD systems and 3D tube measuring systems such as the TUBOSCAN measuring arm are available as well. The different tube data types can be transferred into each other without delay and displayed on the screen. Retrofits and modifications of the tube shape can be undertaken at any time.

On the basis of the isometric drawing and the tube material PIPEFAB B calculates the saw length and the bending data, which can be displayed and printed in tabular form. Optionally an interface for online data transfer to the bending machine control is available. Besides the tube material and its dimensions also the tube's springback and lengthening behaviour as well as expanding of the radius is considered by the software when calculating the bending data.



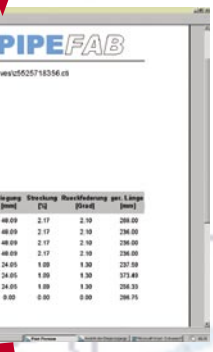


Display of the bending data and the saw length in a clearly laid-out table.

Graphic bending simulation with collision check.

In order to ensure that the tube figure can be bent without problems, the software carries out a collision check, considering the geometric dimensions of the bending machine and the tooling. The result of this collision check is shown in a table, the graphic bending simulation is optionally available.

Self-displaying text menus and a clear window-technique offer excellent and comfortable handling of the tube bending software. Once generated and stored the tube figures can be opened and modified at any later time.



Efficient software solutions for pipe systems – from planning to maintenance

On the one hand PIPEFAB ^{B} can be separately used as powerful and machine-oriented tube bending software, on the other hand the tool is an integrated component part of the PIPEFAB overall concept. This modular designed software solution for the fabrication management in the piping industry provides a continuous digital data flow (digital chain), supporting all fields of a pipeline's life-cycle from engineering and design, calculation, fabrication and operating up to maintenance of pipeline systems.

The only choice for perfect pipe installation

TUBOBEND

1-axis-controlled tube bending machines up to ø 90 mm

TUBOTRON

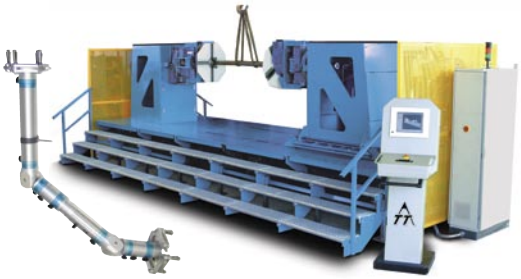
CNC tube bending machines up to Ø 170 mm

TUBOMAT

Assembly machines for hydraulic tubing (bending, sawing, deburring, flaring, cutting ring assembly, chamfering)

TUBOFORM

Tube end forming machines

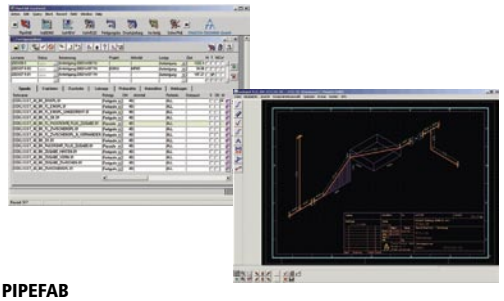


SCOPELINK / ROBOFIX

Automated system solution for precise and efficient production of template pipes

TUBOSCAN / TUBOCONTROL

2D / 3D tube measuring systems

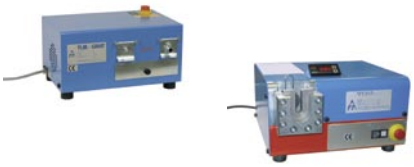


PIPEFAB

Modular designed software solutions for the piping industry (from tube bending software up to a complete fabrication management system)

PB

Ram bending machines up to Ø 42 mm



TUBOGRAT / TRACTOPRESS / VARIOMAT

Table top devices for deburring, flaring and cutting ring assembly

TT-GROUP

THE ONLY CHOICE FOR PERFECT PIPE INSTALLATION

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