

INTEGRATED SOLUTIONS

Profile-S

DA - Offline 2D / 3D software
solution for production preparation



DA-Offline software maximises machine efficiency and productivity of your press brakes. The Profile-S software facilitates offline programming and simulation of the bending process.

Production preparation, feasibility studies and tooling verification, operator training, adding notes for production and many other functions can be carried out offline.

State-of-art compatibility

The Profile-S software offers advanced programming in 2D / 3D in line with the DA-60S controller software. The steps from the start of programming to the desired program including its transfer to the control are clearly embedded in the user interface.

Programming the product graphically shows a true scale representation of the intended product. Realistic product visualisation gives feedback on feasibility, collisions, required tools and tool adapters for production.

CAD/CAM chain integration

The CAD import functionality of Profile-S3D offers both DXF import as well as 3D CAD (Step/Iges) product import. These interfaces use generic 3D-model file formats to make the software blend in as a part of the production chain, optimizing the production preparation process. Profile-S2D offers 2D-DXF tool import, making tool programming easier as ever.

In the Profile-S software, special functions available in the controls, are also available offline. Special operations like hemming bends and bumping functions are supported graphically, enabling a complete preview of the bending process. Next to that, new shop floor control functions, like joblist functions, can be prepared offline. OEM specific functions are also supported in the offline solutions, for optimal production preparation.

Profile-S features:

- Full scale offline programming
- Graphical product programming and bend sequence generation
- Feasibility studies and production preparation
- 2D/3D automatic bend sequence calculation
- Collision detection
- DXF tool and product import
- 3D CAD product import
- Product sharing over Windows networking with press brake CNC
- Machine setup preparation including print functionality
- Shop floor control, Job list functionality
- Production time calculation
- DXF-out incl. bend allowance

Delem

Part of KEBA group.

Everything under control

Specifications Profile-S

Product configuration

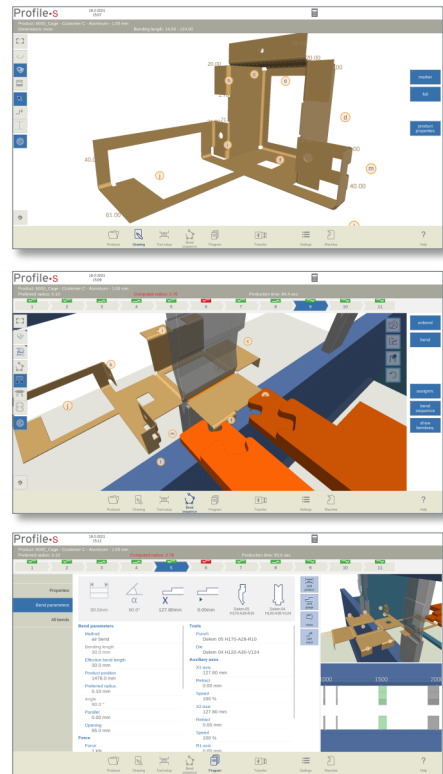
Standard

- 2D or 3D programming version
- 3D machine representation
- X1-X2 angle programming
- 3D finger view
- DA-60S familiar user interface
- DXF import function for products and tools (dies, punches, adapters)
- 3D CAD import function (Profile-S3D only)

Ordering information

- Profile-S2D
2D offline programming software
- Profile-S3D
3D offline programming software
- Additional licenses for all versions

Profile-S screen examples



Technical specification

General / programming

- Alphanumeric product naming
- 2D/3D real-scale product programming and visualisation
- Automatic bend sequence calculation in 2D and 3D
- Easy swap and move of bends in graphical bend sequence
- Hemming bend programming
- Graphical product and tool selection
- Programmable material properties
- Bend allowance table
- Programmable axis speed
- Number of steps up to 99
- Step repeat, up to 99
- Search filter for products and tools
- Millimetres/Inches, kN/Ton selection

Programming extra

- Product notes in text as well as .PDF
- DXF product import function
- 3D CAD, STEP and IGES product import (Profile-S3D only)
- Joblist shop floor control functionality

Tooling

- Graphical tool configuration
- Multiple tool station setups
- Tool segmentation calculation and visualization
- Alphanumeric tool identification
- Tool advisor
- Graphical tool programming
- Tool adapter support
- Hemming tools
- Radius tools
- Special tools
- DXF tool import

Computed functions

- Tool configuration
- Tool segmentation
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force

Graphical functions

- Print of CNC program incl.:
 - o Product data
 - o Bend sequence
 - o Tool setup
- DXF product output (contour and bend lines)

Miscellaneous

- User selectable dialogue languages
- Multiple machine support
- Integrated help functions

System requirements

- Windows 10
- USB port