Production Program

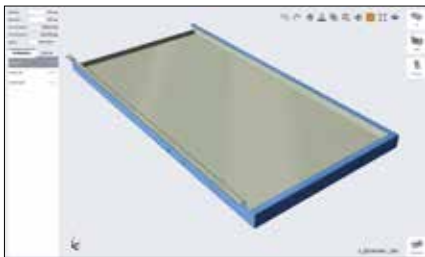CUTTING　　BENDING　　FORMING　　SOFTWARE
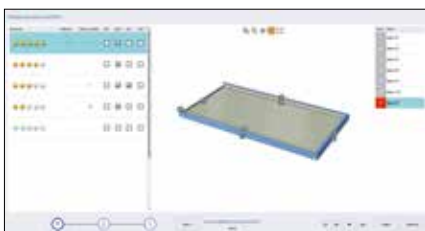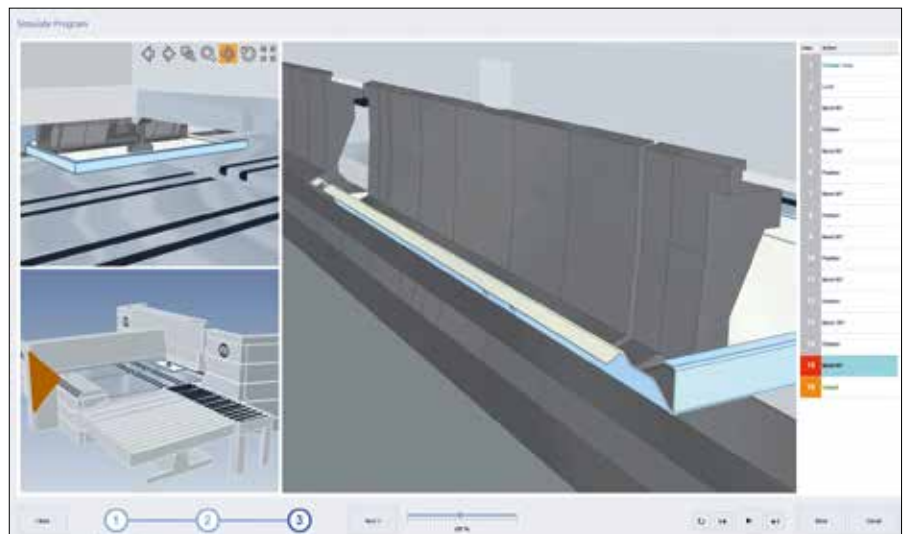
Multibend-Center

Office software with one-click programming starting from a STEP, DXF, GEO file of the part.
No expert knowledge required.
Fast, safe, precise.

The best bending sequences are shown according to the highest the 5-star ranking.

The 3D simulation shows the folding sequence and possible collisions.
New products can already be evaluated during the design process.

The Multibend-Center is characterized by speed and high productivity levels.

Fully automatic bending sequences: positioning, rotation, bending, and tool change.
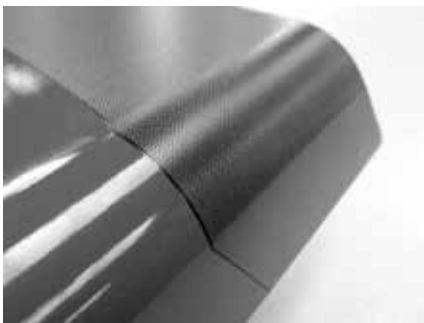
Scratch-free bending of sensitive materials. No tool wear.

Four-sided boxes can be as tall as 203 mm.

Due to highest levels of precision and repeatability, the parts are suitable for laser welding.

Loading and unloading

In addition to manual loading and unloading, there are a variety of options for automatic loading and unloading of the machine. Depending on the requested degree of automation and the manufacturing conditions, the handling systems on the loading and unloading side can be individually configured.
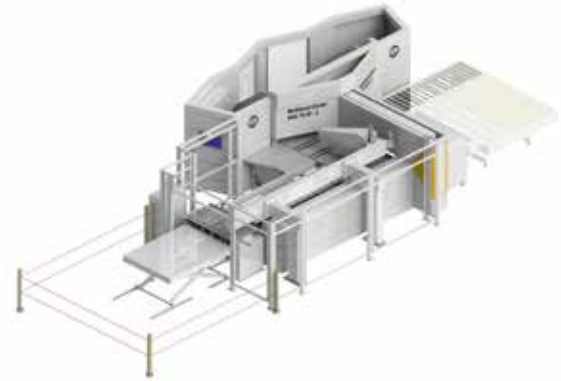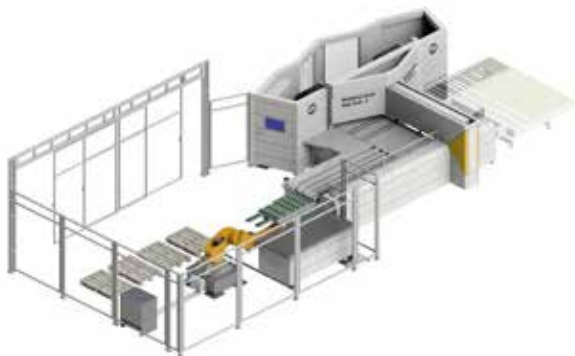

Multibend-Center with MiniFeeder loading component. Blanks are supplied on a scissor table.
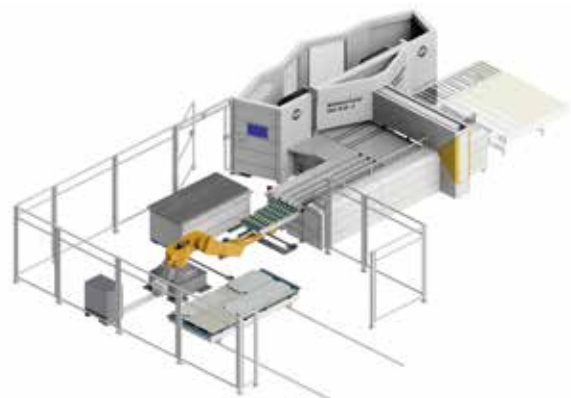

Automatic program loading can be added to the MiniFeeder or gantry loader by scanning a barcode or QR code label on the blank.
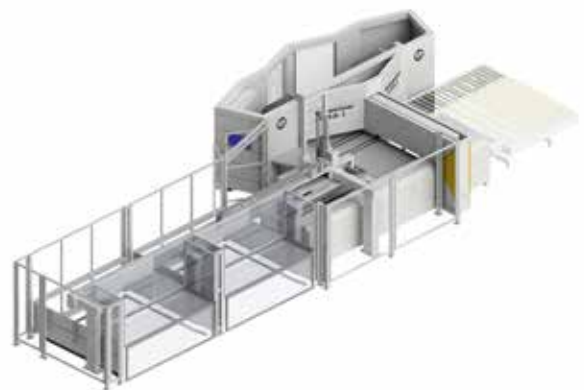
Multibend-Center with single or double station gantry loader.

Multibend-Center with robot loading. Provision of the blanks on Euro-pallets. The robot can also flip the blanks. Intelligent robot: No programming or teaching required.
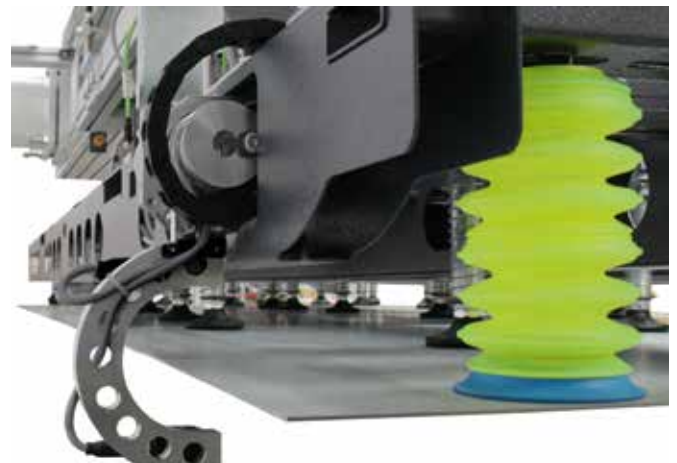

Multibend-Center with robot loading. Blanks supplied from a storage system. The robot can also flip the blanks. Intelligent robot: No programming or teaching required.
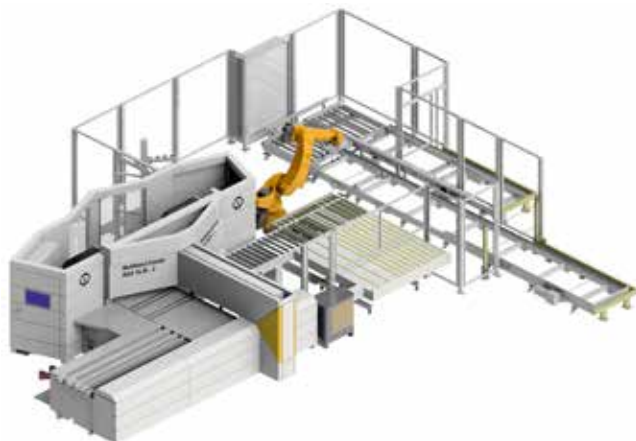
The loading robot flips the blanks.

Suction frame of the gantry loader with 6 suction cups used to peel up the blank and 45 freely moveable suction cups.

Touchless double sheet detection arm on the suction frame after lifting of the blank.

Multibend-Center with manual part unloading via finished part buffer or automatically by intelligent robot. Rotation station for finished parts. Provision of the pallets by U-shaped pallet station.
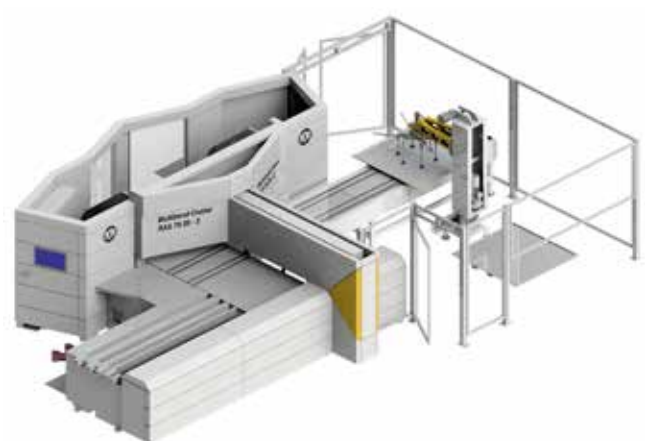
Multibend-Center with automatic part unloading by RAS Palletizer.

Bending Centers

The unloading robot can stack the parts in different ways (examples).
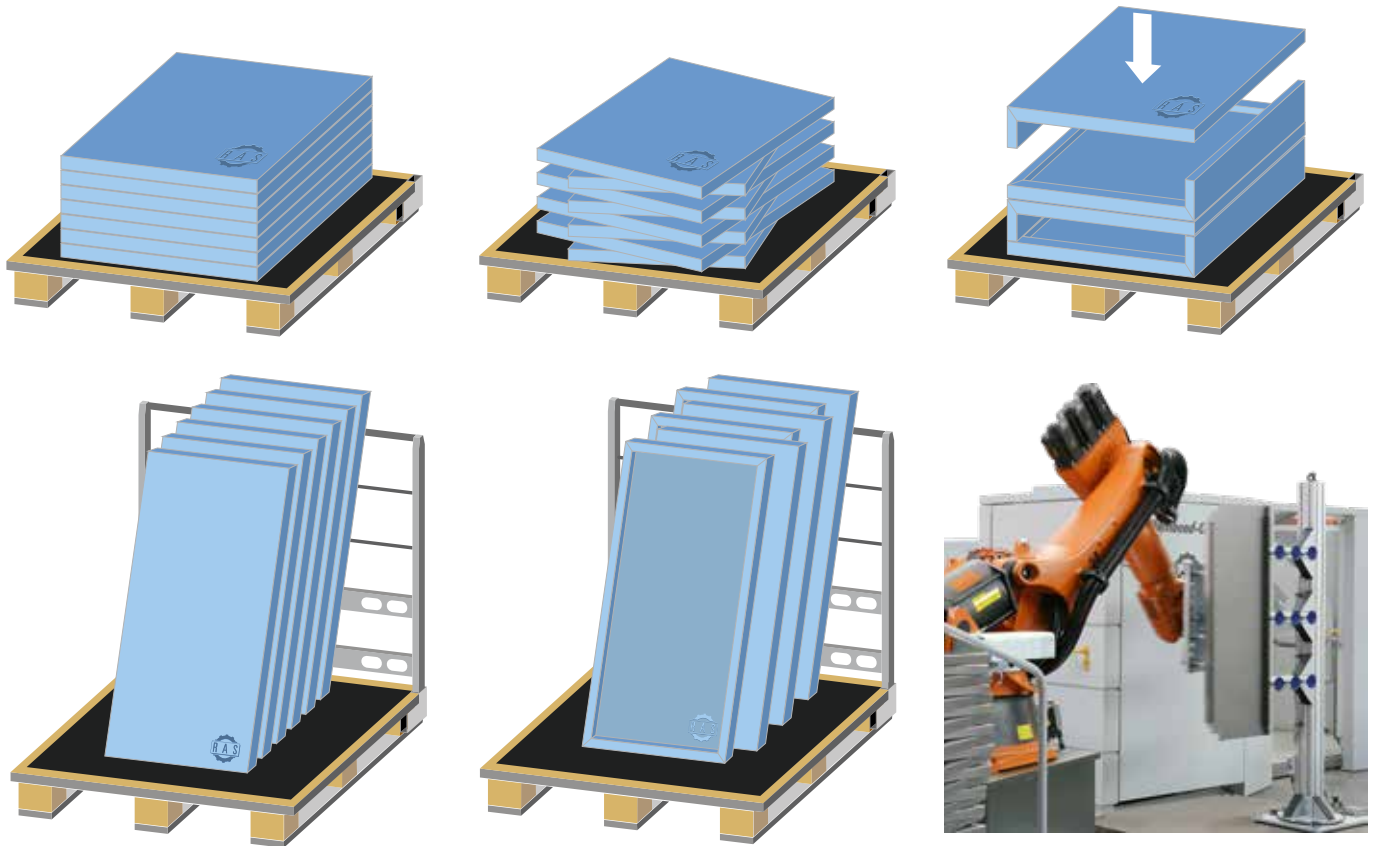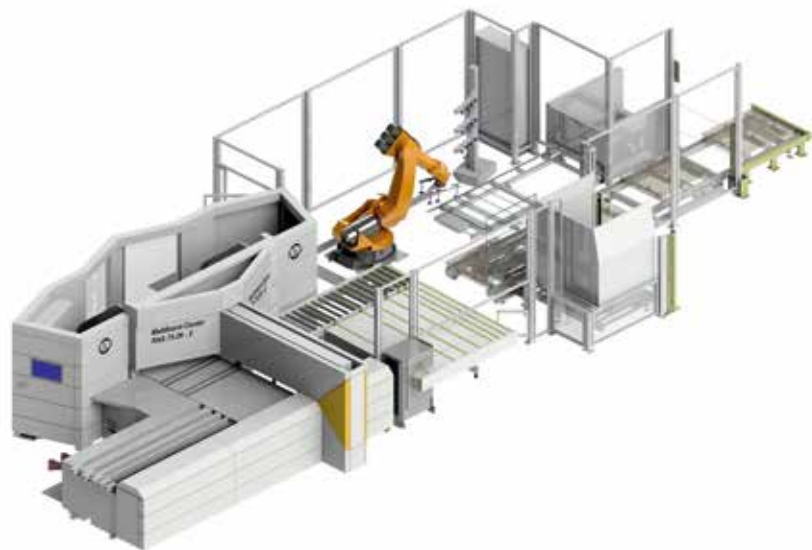
Rotator system for finished parts.

Multibend-Center with manual part unloading via finished part buffer or automatically by intelligent robot. Rotation station for finished parts. A pallet magazine provides pallets. Back panel magazine provides back panels for vertical stacking, the robot attaches them automatically to the pallet.

Technical data	Bending length max.	Sheet thickness max.	Box height max.
Multibend-Center RAS 79.31-2	3060 mm	2.0 mm	203 mm
Multibend-Center RAS 79.26-2	2560 mm	2.0 (2.5) mm	203 mm
Multibend-Center RAS 79.22-2	2160 mm	2.0 (2.5) mm	203 mm
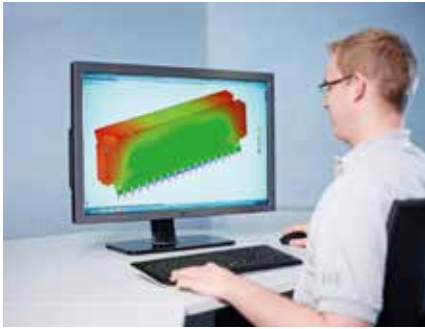
Design

Sawing

Plasma cutting

Milling

Turning

Grinding

Welding

Powder coating

Assembly

Electrical assembly

Quality inspection

RAS - Regional production
for global sustainability

INNOVATION MADE IN GERMANY

R A S

09. 2018

Headquarters in Sindelfingen. In the foreground „Steel object".

Effringen - factory and artwork

RAS Systems LLC in Georgia, USA

All sheet thickness refer to 400 N/mm² tensile strength. Subject to changes. Pictures may show options.

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