

INNOVATION

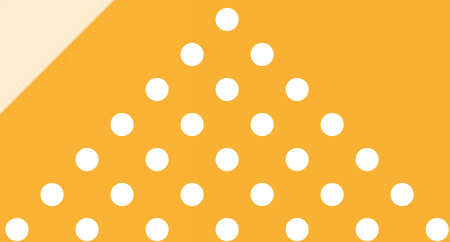
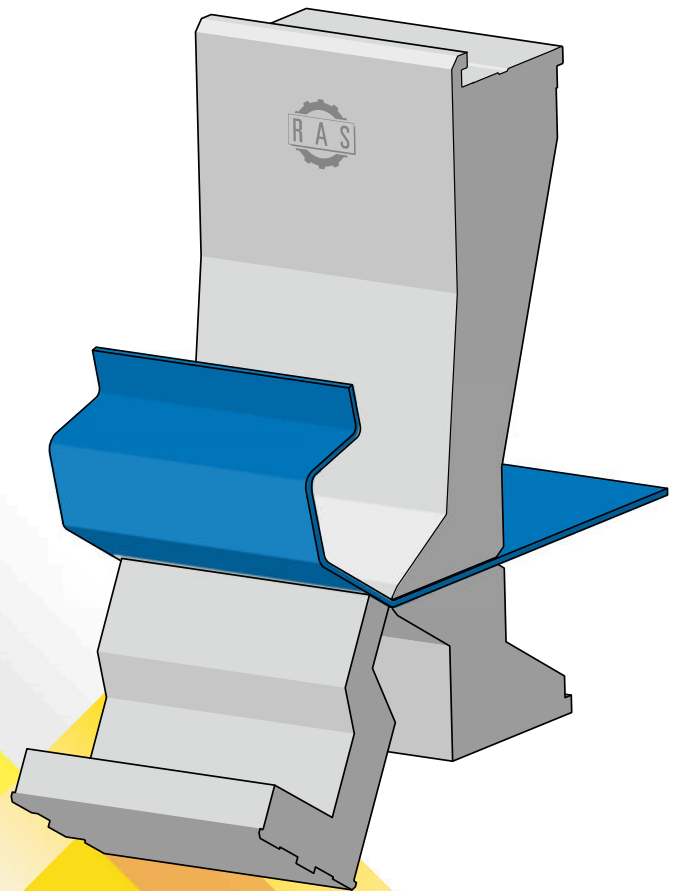
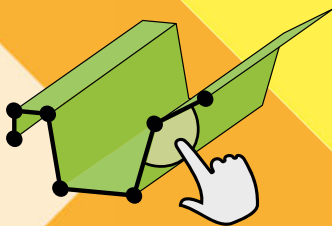
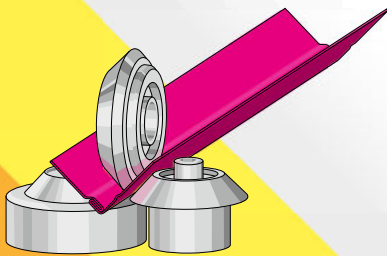
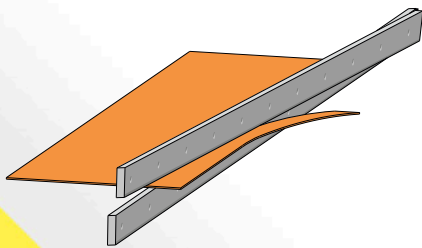


MADE IN GERMANY



RAS REINHARDT MASCHINENBAU GMBH

# Production Program



[WWW.RAS-ONLINE.DE](http://WWW.RAS-ONLINE.DE)

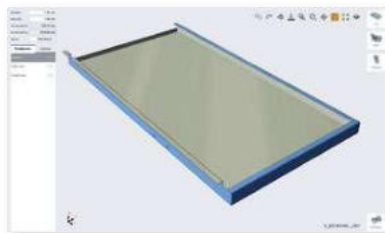
## Bending

### BENDING CENTERS

# Multibend-Center



If you want to bend precision parts, fully automatically, at high speeds, in high quantity, regardless of batch-size, with the highest levels of flexibility and total repeatability, welcome to the next level of metal fabrication. The RAS Multibend-Center panel bender is available in working lengths of 2160 mm, 2560 mm and 3060 mm.



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 5-star ranking.



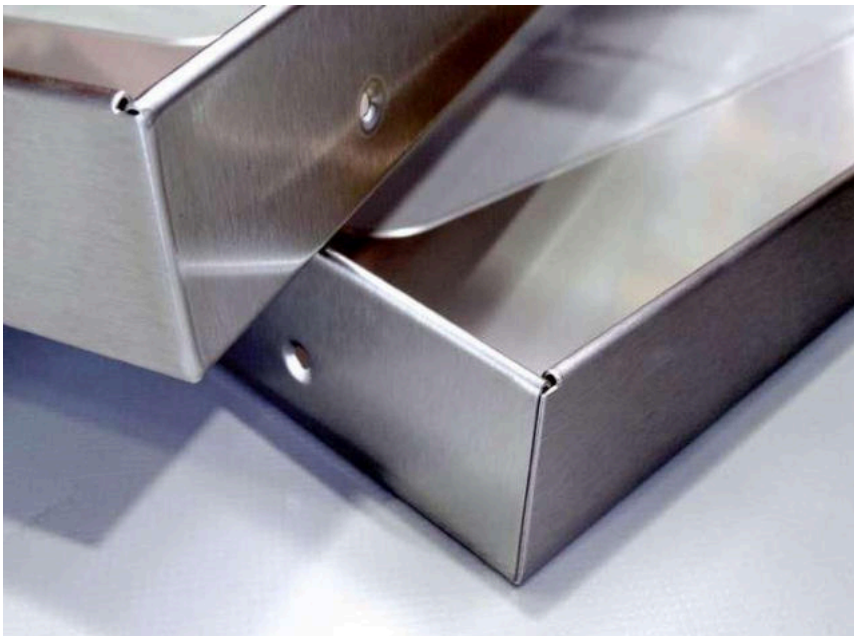
The 3D simulation shows the folding sequence and possible collisions. New products can already be evaluated during the design process.



Fully automatic bending sequences:  
positioning, rotation, bending, and tool change.

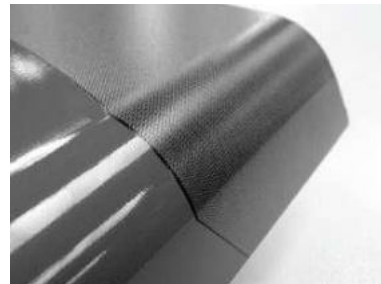


Speed and highest productivity  
characterize the Multibend Center



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

Scratch-free bending of sensitive materials.  
No tool wear.



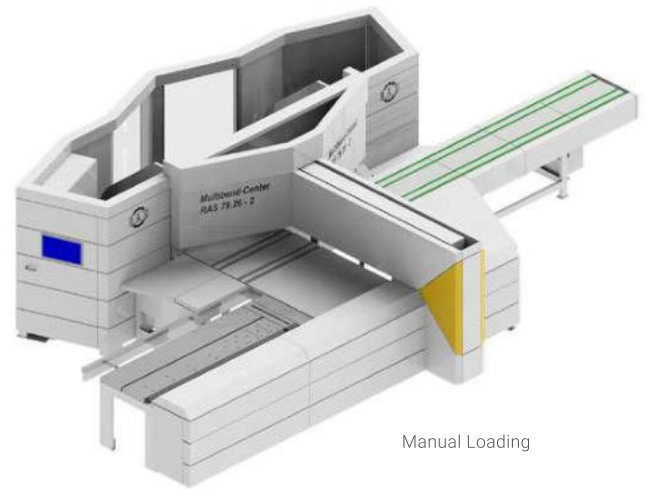
Four-sided boxes can be as tall as 203 mm.



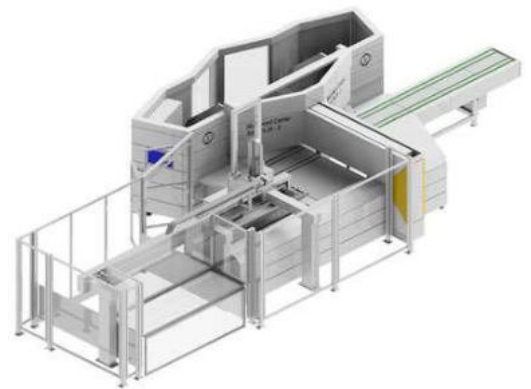
# Bending

## Loading

In addition to manual loading and unloading, a variety of options for automatic blank loading and unloading of bent parts is available. Depending on the requested degree of automation and the manufacturing conditions, the handling systems on the loading and unloading side can be individually configured.



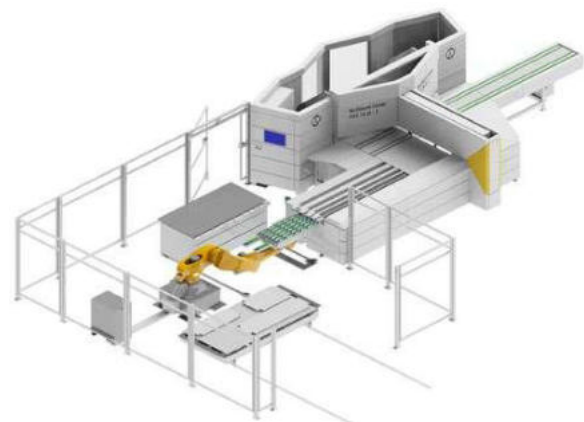
Manual Loading



Multibend-Center with single station gantry loader (optional two station gantry loader).

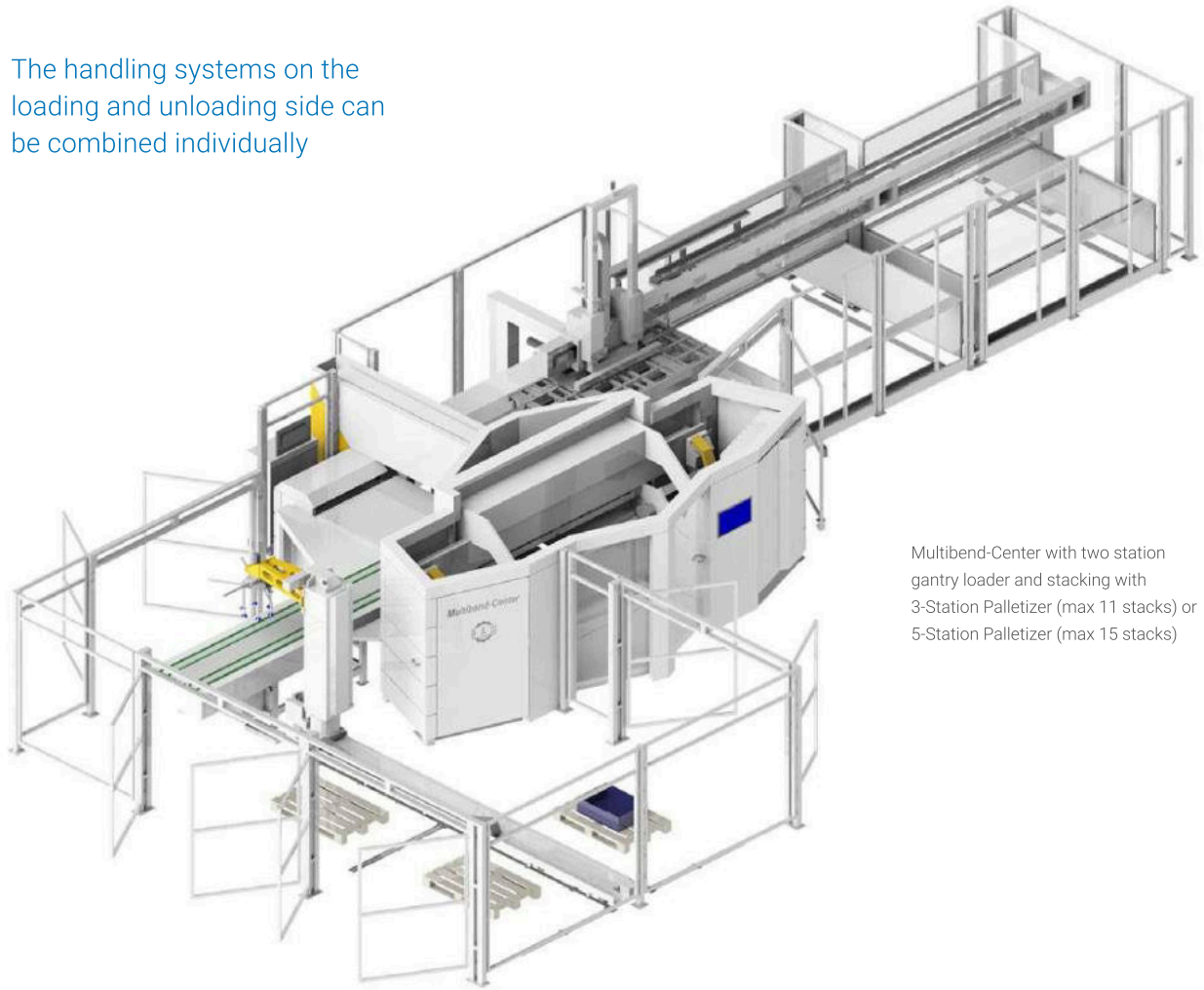


Multibend-Center with robot loading. Provision of the blanks on Euro-pallets. The robot can also flip the blanks. Intelligent robot: No programming or teaching required.

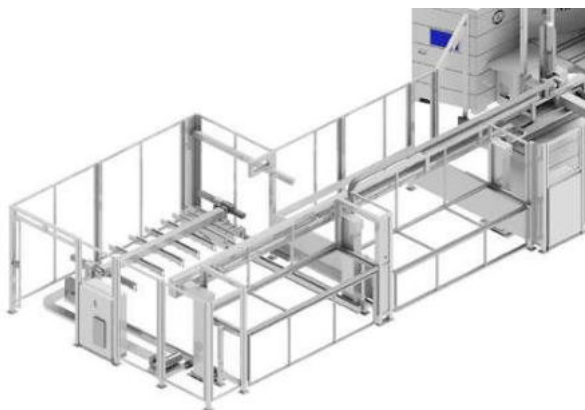


Multibend-Center with robot loading. Blanks supplied from a storage system. The robot can also flip the blanks. Intelligent robot: No programming or teaching required.

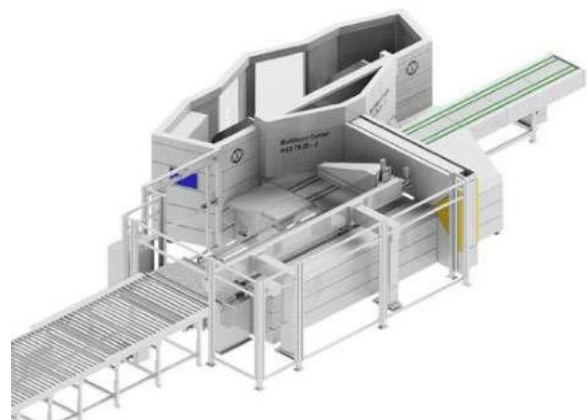
The handling systems on the loading and unloading side can be combined individually



Multibend-Center with two station gantry loader and stacking with 3-Station Palletizer (max 11 stacks) or 5-Station Palletizer (max 15 stacks)



Two station gantry loader with SheetFlipper for blank rotation before loading.



Multibend-Center with blank supply via roller table and loading by MiniFeeder.



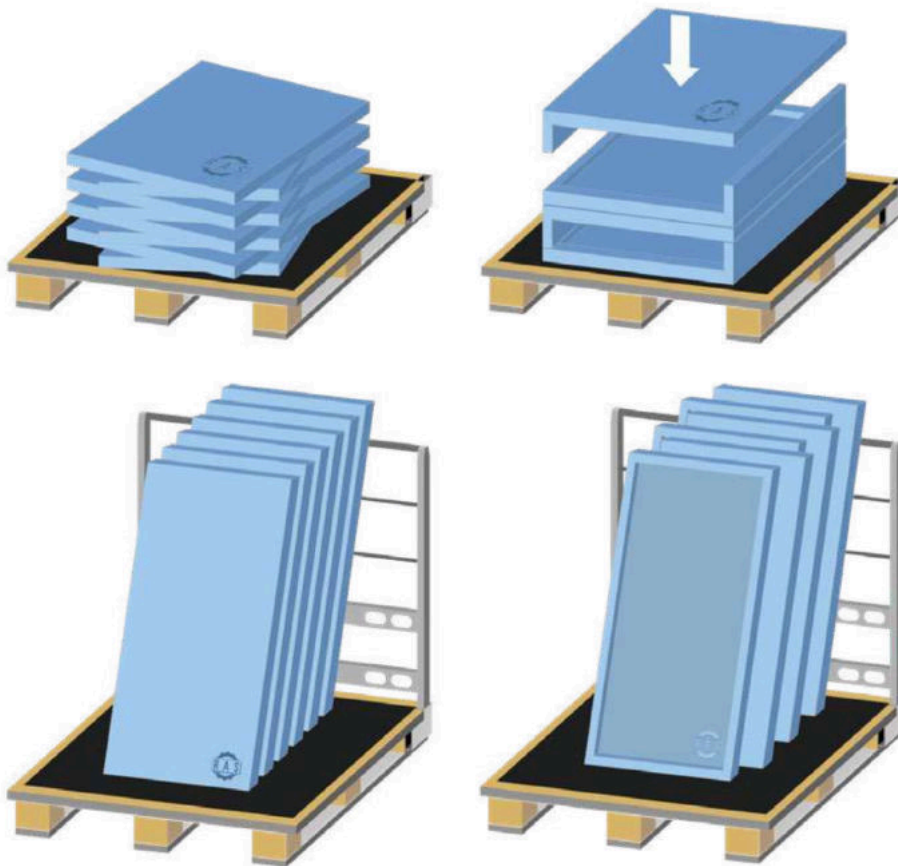
## Bending



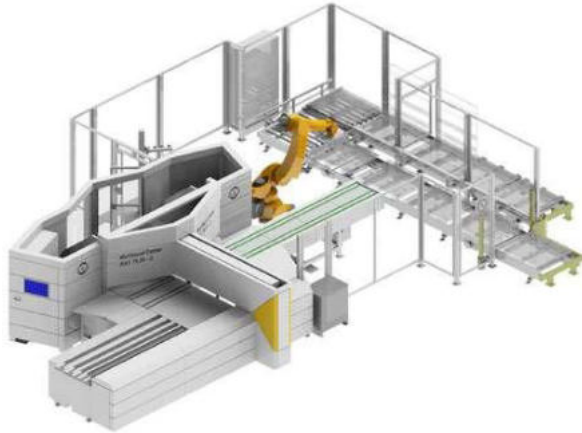
Rotator system for finished parts.

## Unloading

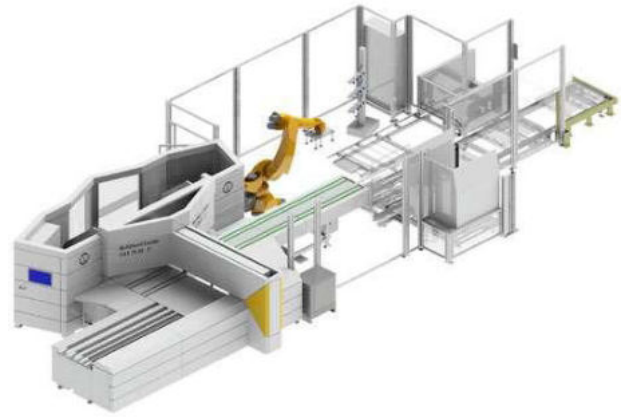
With automatic unloading and stacking of bent parts, the panel bender can be run in an unmanned shift. The unloading robot picks up the finished parts from the runout table and stacks them according to the selected stacking pattern. The intelligent unloading robot does not have to be taught or programmed.



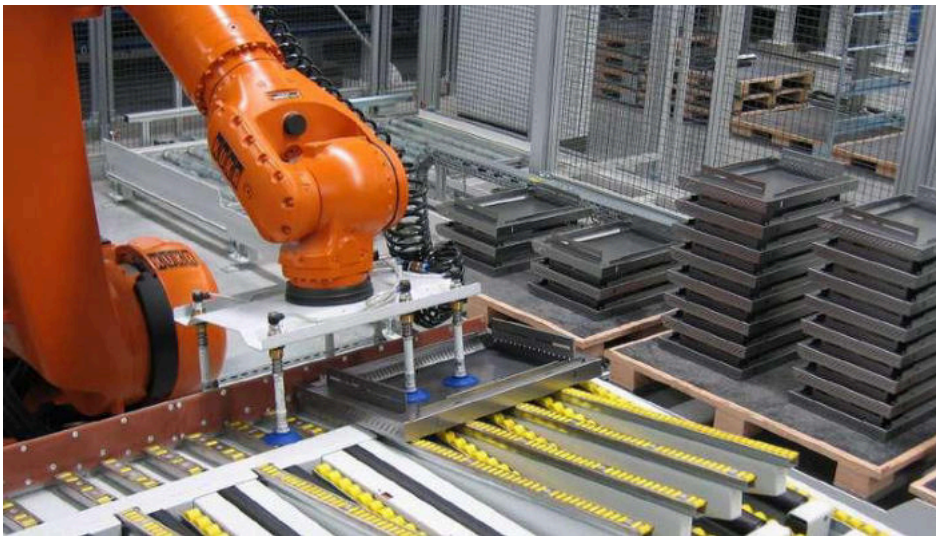
Samples of stacks created by the unloading robot.



Multibend-Center with intelligent unloading robot. Optional rotation of finished parts before stacking. U-shape pallet system provides pallets.



Multibend-Center with intelligent unloading robot. Optional rotation of finished parts before stacking. Pallets provided by pallet magazine. Back panels for vertical stacking provided by back panel magazine.



The pallet system layout can be adjusted to local floorspace conditions

The unloading robot picks up the bent parts from the outfeed table and deposits them according to the selected stacking pattern.



Multibend-Center	RAS 79.22-2	RAS 79.26-2	RAS 79.31-2
BENDING LENGTH MAX.	2160 mm	2560 mm	3060 mm
SHEET THICKNESS MAX.	2.0 (2.5) mm	2.0 (2.5) mm	2.0 mm
BOX HEIGHT MAX.	203 mm	203 mm	203 mm



INNOVATION  
MADE IN GERMANY

**Bending**

**Cutting**

**Forming**

**Software**

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