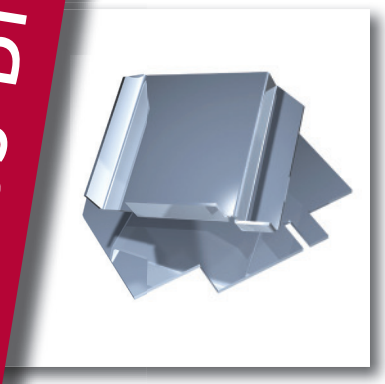
HQPB Press Brake

Total manufacturing of cylinders, frame, E-panel and gauges, executed by Placke.



The advantages:

- Modern technology
- High reliability and efficiency
- Highest accuracy
- Functionally simple
- ecoMODE - Auto start-stop
- Custum made
- Perfect service

Innovation and **Quality**
from Germany

MADE IN GERMANY PRODUCT

MADE BY placke

P follows Q

placke = ***Quality***

placke GmbH
Machine Tool
Manufactering

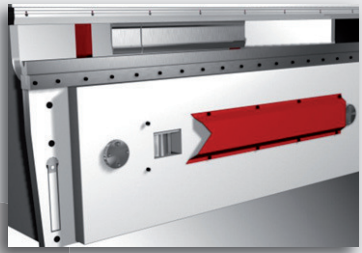
Standard execution: CNC control Delem DA66 T

- Machine frame, built from steel S355 N
- Construction based on finite element analyses
- Welde frame consisting of:
  sideframes connected by heavy pipes and
  a top traverse
- Bedplate assembled
- Free oiltank no delitation in frame
- Automatic sideframe deflection compensation
- Double guided ram
- Penetration measuring system by Heidenhain linear encoders with ball guided head
- Electric offset control
- Mainframe machined in one set up
- Flat floor execution
- Narrow table with standard die slot
- Controlled X-Achse
- Controlled R-Achse
- Controlled Z-Achse
- TFS safety laserscreen
- Mechanical toolclamp Wila Modufix
- Optional 3 D Control DA 69T incl. DA offline Program-software Profile - T - 3D

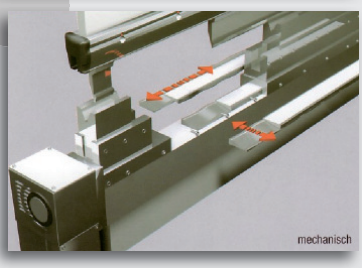
Mechanical toolclamp Wila Modufix

The accurate machined ram can accept different tool systems.

The crowning system compensates deflection of ram and bed



- CNC controlled crowning system
- Front, rear and central bedplates pivot on one pivotshaft at each end



- CNC controlled WILA crowning system
- Two mechanical adjusted wedgestrips compensate the deflection of ram- and bedplate

Backgauge >> 2 axis controlled backgauge

X-axis

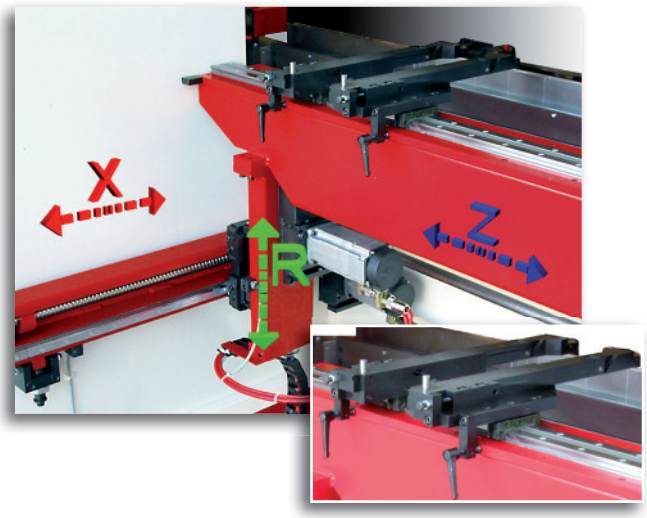
- reach 600 mm + 500 mm
- motordriven by ballscrews

R-axis

- reach 200 mm
- motordriven by ballscrews

Z-axis

- 2 fingers with 3 gauges
- lateral adjustable, quick clam



Backgauge >> 4 axis controlled backgauge

X-axis

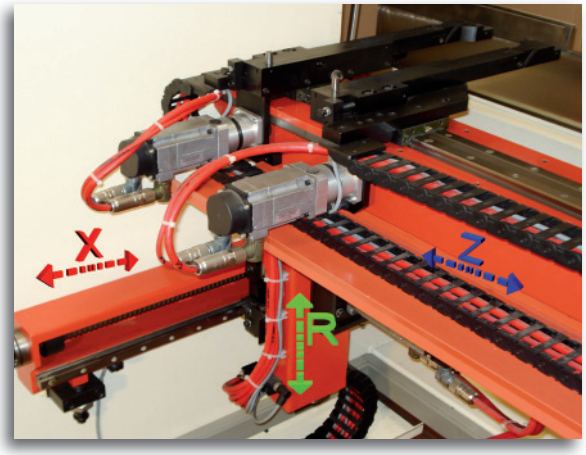
- reach 600 mm + 500 mm
- motordriven by ballscrews

R-axis

- reach 200 mm
- motordriven by ballscrews

Z-axis

- 2 fingers with 3 gauges
- motordriven by rack and pinion



Backgauge >> 5 axis controlled backgauge

X-axis

- reach 600 mm + 500 mm
- motordriven by ballscrews

X1-axis

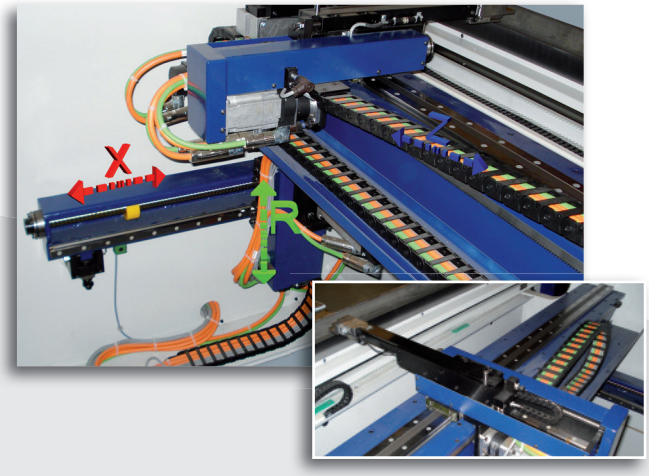
- reach ± 100 mm
- motordriven x reach of one finger

R-axis

- reach 200 mm
- motordriven by ballscrews

Z-axis

- 2 fingers with 5 gauges
- motordriven by rack and pinion



Backgauge >> 6 axis controlled backgauge

X1- and X2-axis

- reach 600 mm + 500 mm
- motordriven by ballscrews

R1- and R2-axis

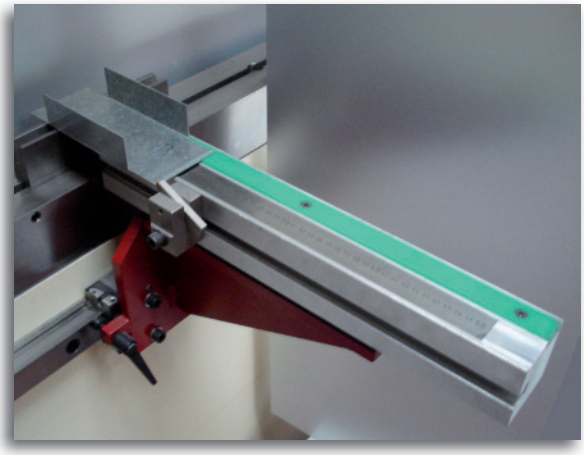
- reach 225 mm
- motordriven by rack and pinion

Z1- and Z2-axis

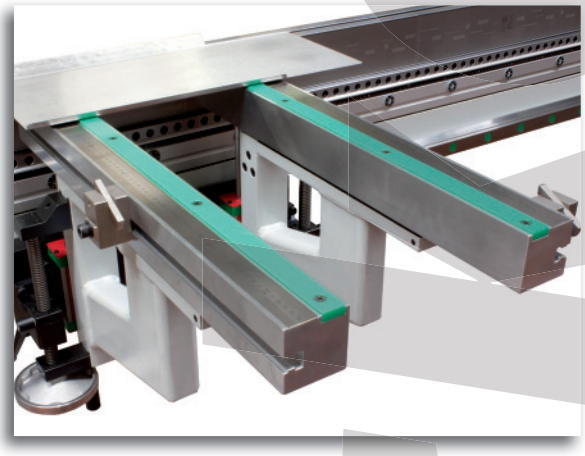
- 2 fingers with 5 gauges
- motordriven by rack and pinion
- the 3D movement of the fingers offer optimal gauging

- Automatic sideframe deflection compensation
- Double guided ram on each side
- Thermal sideframe expansion compensation
- Automatic dynamic pressforce control
- Spherical cylinder-ram connection

Front options - The useful help for the operator

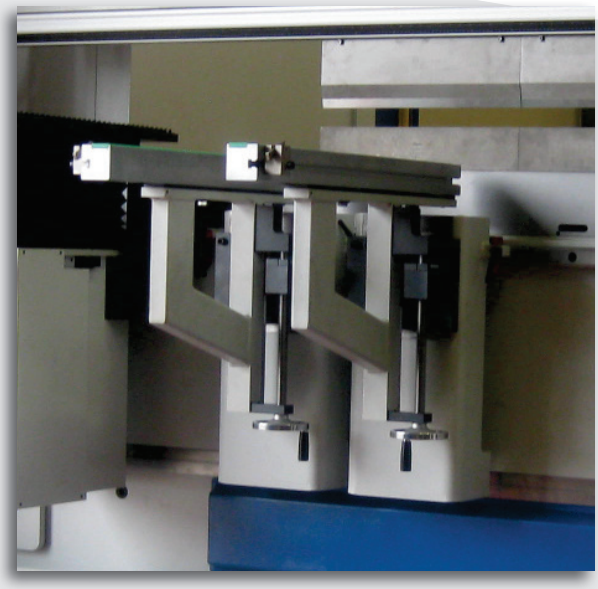


Simpel front arms, lateral adjustable on guiderail with quick clamp

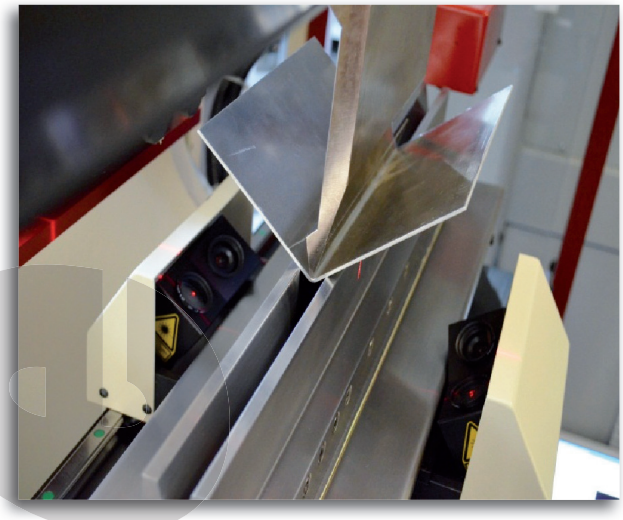


Adjustable support arms to adapt different die heights

Vertical adjustable heavy front arms for heavy loads



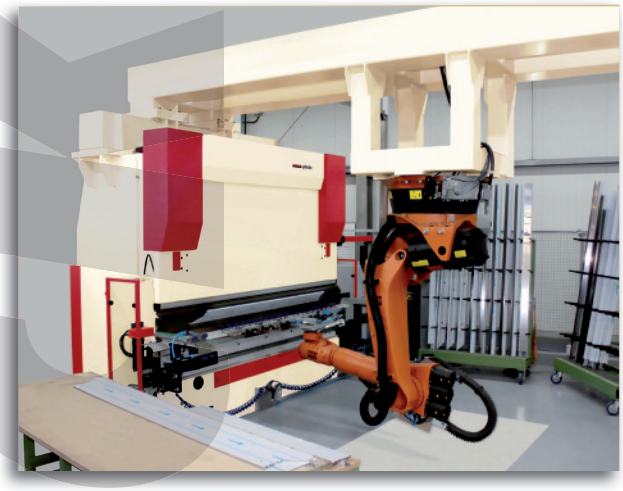
CNC controlled support arms to assist the operator to prevent contrabends



Anglecorrection system LaserCheck

Automatic **lasercamera** supported anglecorrection system

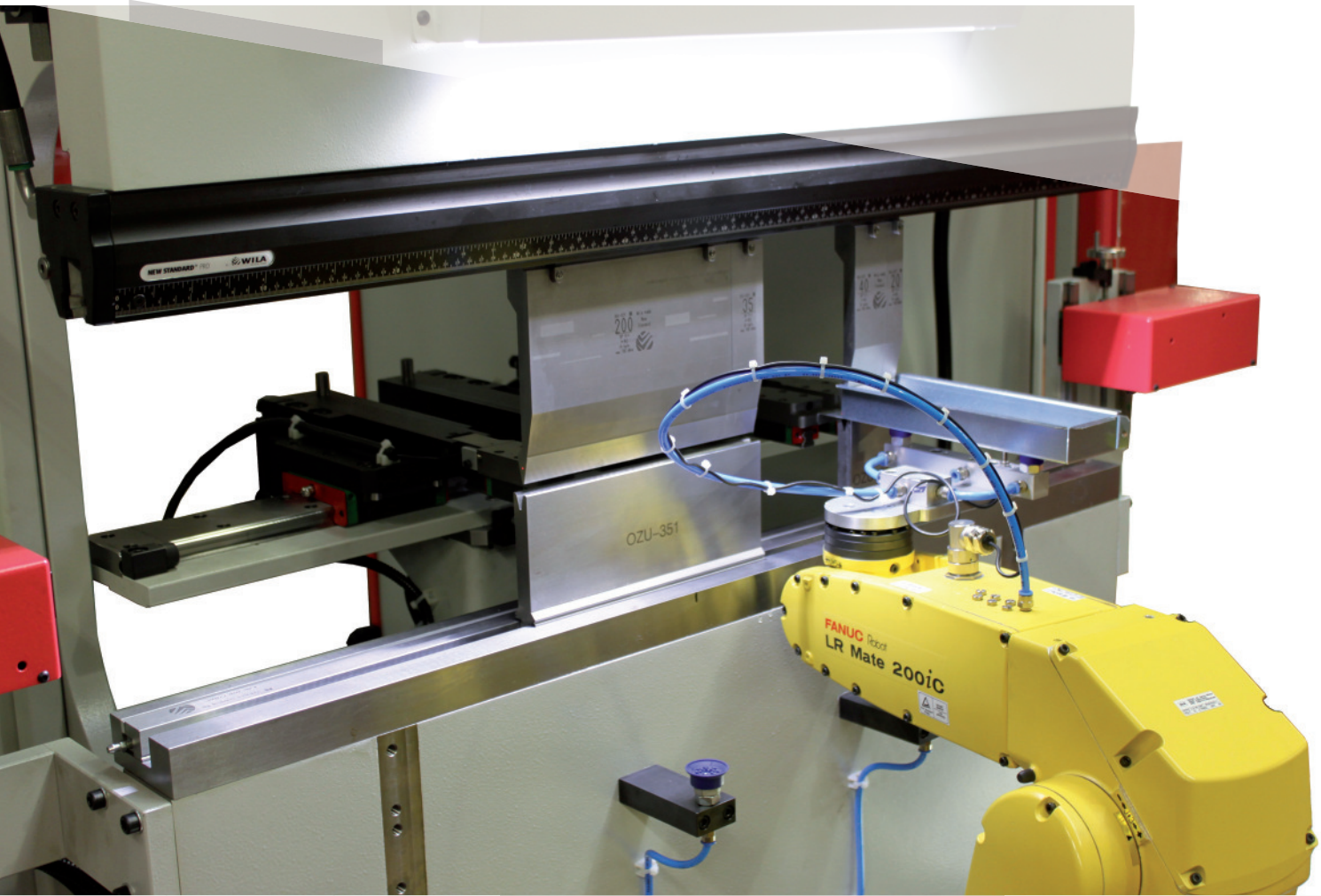
- Sheet outside anglemeasuring with front- and rearcamera
- For springbackmeasuring the system has two bending force transducers in the throath of the side frame



Automation

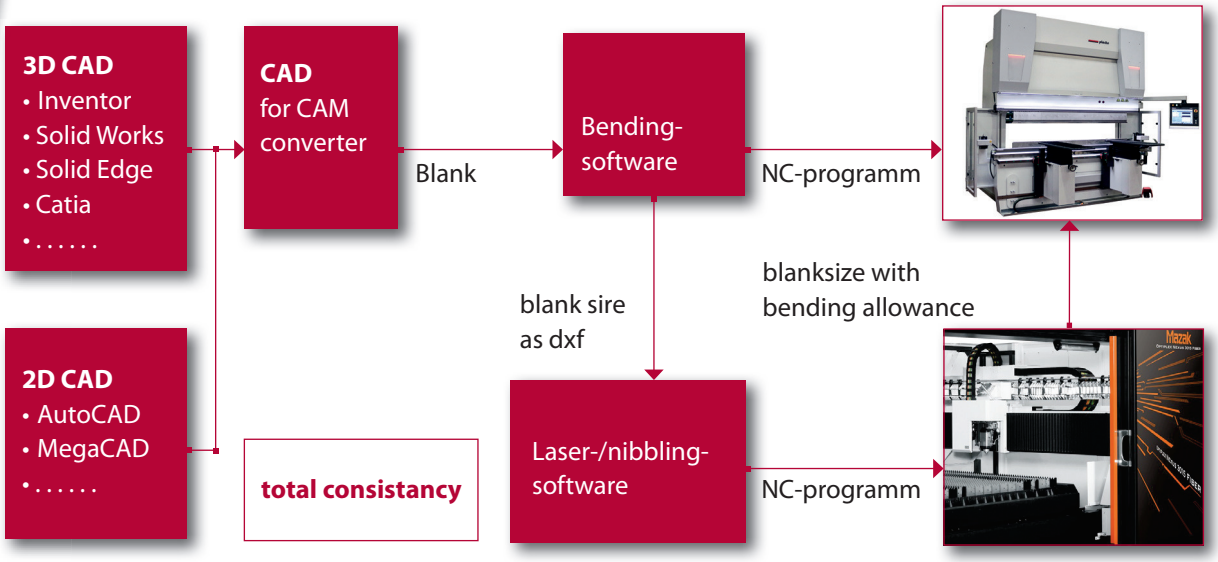
Our experience for your success

- The robot handels the sheet
- The press brake takes care of the quality
- The total solution from one source



Placke - CAM-Software

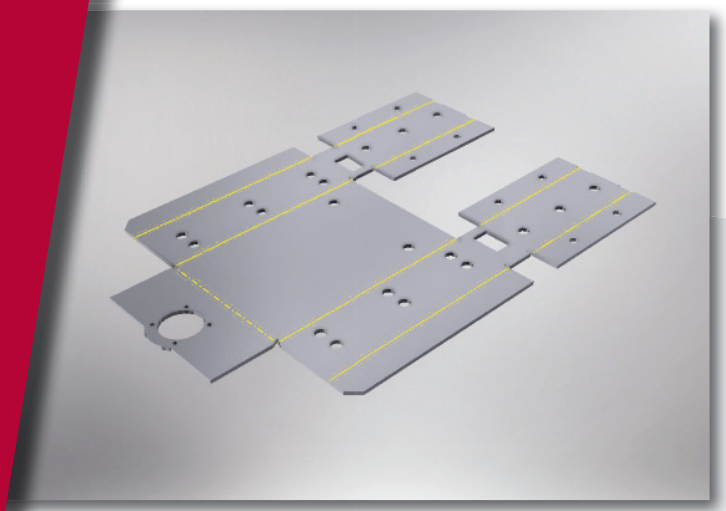
From CAD drawing to final product, our know-how ensures your quality

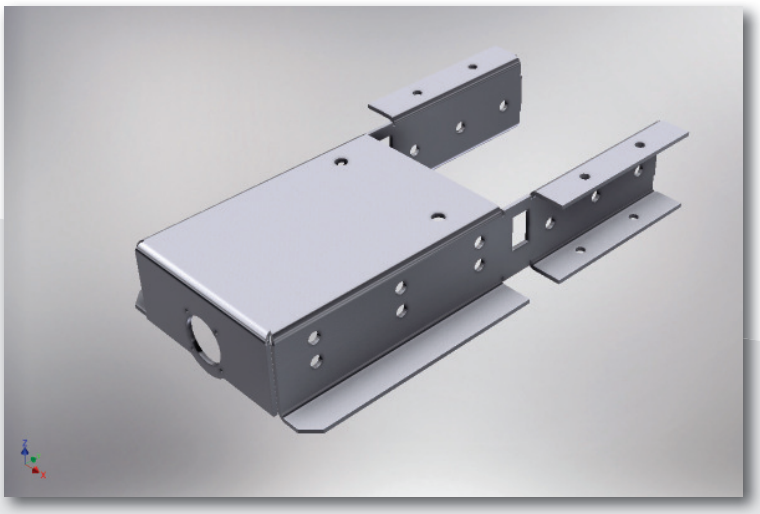


Press brakes from other suppliers also can be linked!

Advantage bending-software:

- Toolmanagement
- Calculation of bending order
- Bend simulation
- Collision test
- Tool set up planning
- Calculation of NC-programm





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