

D-CELL

LOW BUDGET AUTOMATED BENDING

PRESS BRAKE
AUTOMATION



WHY D-CELL?

- Highly cost-competitive
- Unique automatic programming software
- Versatile gripper
- Automatic or manual operation

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Highly cost-competitive

D-Cell is one of the most cost-competitive robotic bending cells on the market. The automated bending system, featuring a PPED hydraulic press brake and a Kuka industrial robot, processes small- to medium-sized parts in varying batch sizes. Suitable for general bending applications in subcontracting or OEM, D-Cell keeps your cost per part as low as possible.



Robust hydraulic press brake

A PPED 50/20 hydraulic press brake has 50 tons of pressing force and a 2000 mm working length. Accurate and consistent bending results are ensured by the rigid, welded one-piece frame, high-quality hydraulic components and high-precision linear encoders.



Unique programming

D-Cell offers revolutionary, automatic programming with a fast art-to-part process. It takes the CADMAN® software 10 minutes to automatically generate a bending and robot program and another 10 minutes for set-up and production of the first part. No robot teaching is needed.



Compact cell

D-Cell requires only 5 m x 5,2 m of floor space. The cell provides four input pallets with inclined plane for different part formats, a center station and output pallets or boxes.



Versatile gripper

A universal gripper designed by LVD effortlessly handles different part sizes, bends up to three flanges without regripping and easily moves between tool stations. D-Cell handles part sizes from 35 x 100 mm up to 400 x 600 mm and a part weight of 4 kg.



Robot or operator

D-Cell offers the flexibility to also work in manual mode as the fingers of the four-axis backgauge are adapted for both robotic and manual bending.

