

DYNA-CELL

FAST, COST-EFFICIENT BENDING CELL

PRESS BRAKE
AUTOMATION



WHY DYNA-CELL?

- From art to part in only 20 minutes
- Optimum cost-benefit ratio
- Universal gripper
- No robot teaching required

LVDGROUP.COM



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Fast electric-drive press brake with Kuka robot

Dyna-Cell consists of a Dyna-Press Pro 40/15 press brake and a lightweight industrial Kuka robot. The electric-drive press brake, with 40 tons of pressing force and 1500 mm working length, bends at speeds up to 25 mm per second.

Dyna-Cell handles simple to complex parts with dimensions from 35 x 100 mm to 400 x 600 mm weighing up to 4 kg.



Universal gripper

A versatile gripper designed by LVD saves investment in different grippers, enabling continuous production. It effortlessly handles different part sizes, bends three flanges without regripping and easily moves between tool stations.



Revolutionary programming

Powered by LVD's CADMAN-SIM software, Dyna-Cell produces a part in 20 minutes or less. It takes 10 minutes to automatically generate the bending and robot program and another 10 minutes for setup and first part production. No robot teaching is needed.



Compact design

Dyna-Cell's compact footprint requires only 5 m x 5 m of floor space. The cell provides large input and output capacity with space for two input pallets with an inclined plane, a center station and output pallets or boxes.



Easy-Form® Laser option

The optional Easy-Form Laser adaptive bending system ensures angle accuracy from the first bend, automatically compensating for material variations such as sheet thickness, strain hardening and grain direction.



Optimum cost-benefit ratio

LVD has carefully balanced the functionality and price of Dyna-Cell to ensure an optimum cost per part, even for small batches or complex parts.



Robot or operator

Dyna-Cell's design allows for autonomous or manual production of small, medium and large batch sizes. The fingers of the five-axis backgauge are adapted for both robotic and manual bending and move independently for complex parts.