# MULTIFOLD

COST-EFFECTIVE PANEL PRODUCTION

## WHY MULTIFOLD?

- Handling large-scale panels
- Full automation for high productivity
- Cost-effective machine
- One set of tools for a variety of profiles

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# MULTIFOLD

## COST-EFFECTIVE SOLUTION FOR PANEL PRODUCTION

### HANDLING LARGE-SCALE PANELS

LVD's panel bender models address diverse production needs in a wide range of applications, offering high precision production of large-scale panels, cabinet components, architectural components, shelving, industrial equipment, elevators, steel furniture, fire doors and clean rooms.

### FULL AUTOMATION FOR HIGH PRODUCTIVITY

The fully servo-driven system provides precise control over the bending process, providing high repeatability and high productivity. It includes automatic sheet feeding, gauging, tool setting, servo bending, sheet positioning and rotation. Unloading and stacking are available as an option.
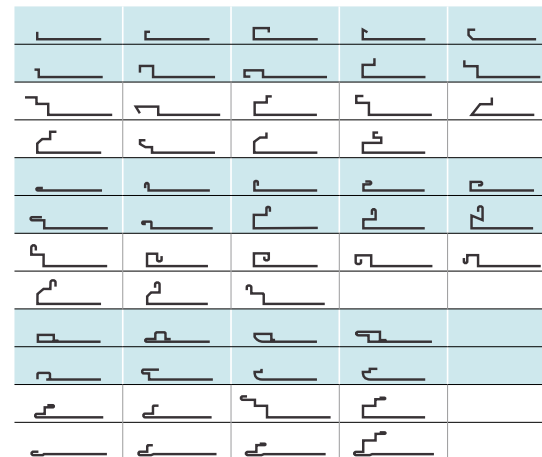
### COST-EFFECTIVE MACHINE

The standard Multifold models keep the cost of the machine competitive and can be further customised for maximum performance. The electric drive requires low service and is almost maintenance-free. At fixed intervals all the moving parts are lubricated via a centralised lubrication system.

### ONE SET OF TOOLS FOR A VARIETY OF PROFILES

With a universal set of servo-operated up-and-down folding blades, Multifold panel benders can process a wide range of profiles and various types of bends. Most profiles can be bent with just one tooling set.


*Bend profile overview*

Bends include:
· positive and negative bends
· open and closed hemming
· up and down hemming
· offset bends
· radius bends

### USER-FRIENDLY PARAMETRIC PROGRAMMING INTERFACE

Programming can be done offline – by entering the bend parameters and loading the program - or directly on the machine, even during bending. Speeds are automatically calculated based on the sheet dimensions.

### MULTIPLE-STACK LOADING

An automatic pick-and-place system allows to load from multiple stack locations onto the auto-feed. The ability to vary sizes and thicknesses provides greater flexibility.

## SPECIFICATIONS:

| MULTIFOLD | 1211 | 1225 | 2111 | 2125 | 2511 | 2540 | 3211 |
|---|---|---|---|---|---|---|---|
| Max. bending length (mm) | 1250 | 1250 | 2100 | 2100 | 2500 | 2500 | 3200 |
| Max. bending height (mm) | 110 | 250 | 110 | 250 | 110 | 400 | 110 |
| Max. incoming length (mm) | 1500 | 1500 | 2250 | 2400 | 2700 | 2800 | 3400 |
| Max. incoming width (mm) | 1250 | 1250 | 1250 | 1250 | 1250 | 1500 | 1700 |
| Max. diagonal (mm) | 2000 | 2000 | 2600 | 2750 | 3000 | 3200 | 3800 |
| Max. thickness, full bending length* (mm) | 1,2 | 1,2 | 1,2 | 1,2 | 1,6 | 1,6 | 1,2 |

*\* Value depending on material, reference value is for cold rolled steel.*

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