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# PRODUCT RANGE

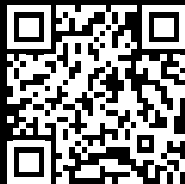
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**Sheet metal working machinery,  
automation & software**

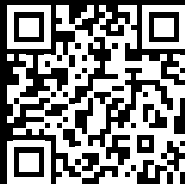


## CONNECT WITH US ON SOCIAL MEDIA

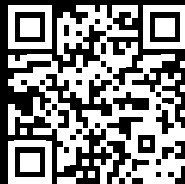
FACEBOOK



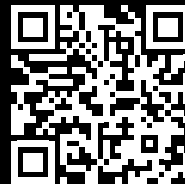
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# **LVD PRODUCT RANGE**

**SHEET METALWORKING,  
OUR PASSION,  
YOUR SOLUTION**

**[LVDGROUP.COM](http://LVDGROUP.COM)**

# LASER

## LaserTWO

### Cost-efficient laser cutting



- single-table version with local covers
- shuttle-table version with full covers
- 3, 6 or 12 kW laser source
- sheet size formats:
  - 3050 x 1525 mm
  - 4050 x 2035 mm

## Puma

### Total laser cutting solution



- processes a wide range of material types and thicknesses
- automation-ready
- 3, 6, 12 or 20 kW laser source
- sheet size formats:
  - 3050 x 1525 mm
  - 4065 x 2035 mm
  - 6160 x 2035 mm
- Puma 6525:
  - available with bevel head
  - straight cutting 50°: 6400 x 2500 mm
  - bevel cutting 45°: 6100 x 2000 mm

## Taurus



### Large-format fiber laser cutting machine

- sheet width: 3200 mm
- 12, 20 or 30 kW laser source
- available with bevel head
- maximum cutting length (multiple sheets):
  - straight cutting 50°: 41,900 mm
  - bevel cutting 45°: 41,500 mm

## Tube lasers



### High-performance tube laser cutting machines

- front loader standard
- up to 6 kW
- up to 250 mm square or round
- models/tube length:
  - TL 8525/8200 mm (with bevel head)
  - TL 2665/7925 mm

# PUNCH

## Strippit P



**Cost-effective punch press suitable for cellular manufacturing and short production runs**

- flexible 33-station turret
- maximum hit rate: 300 hits/min on 25.4 mm and 650 hits/min on 1 mm centers
- punching force: 20 ton; max. material thickness: 6.35 mm
- sheet size formats: 1250 x 1250 mm, 1250 x 2500 mm, 1525 x 2500 mm

## Strippit M



**Large capacity and high-performance punch press, ideal for batch processing**

- large turret capacity: 47 stations
- maximum hit rate: 400 hits/min on 25.4 mm and 900 hits/min on 1 mm centers
- punching force: 20 ton; max. material thickness: 6.35 mm
- sheet size formats: 1250 x 1250 mm, 1250 x 2500 mm, 1525 x 3050 mm

## Strippit V



**Punch press suitable for high tonnage and high production punching needs**

- large turret capacity: 48 stations
- maximum hit rate: 440 hits/min on 25.4 mm and 900 hits/min on 1 mm centers
- punching force: 30 ton; max. material thickness: 6.35 mm
- sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm, 1525 x 5000 mm

## Strippit VX



Highly flexible punching machine, expandable with indexable multitools

- large turret capacity: 48 stations
- maximum hit rate: 530 hits/min on 25.4 mm and 920 hits/min on 1 mm centers
- punching force: 20 ton; max. material thickness: 6.35 mm
- sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm

## Strippit PX



Single-head punch press that can punch, bend, tap and form all on a single machine

- 20 indexable tool stations, T-style compatible
- maximum hit rate: 505 hits/min on 25.4 mm and 910 hits/min on 1 mm centers
- punching force: 20 ton; max. material thickness: 6.35 mm
- sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm, 1525 x 5000 mm

## Strippit PL - Punch Laser Combination



Punching advantages combined with the speed of fiber laser cutting

- available in both turret and single-head technology
- punching force: 30 ton (turret), 20 ton (single-head)
- 4 kW laser source
- sheet size formats: 1525 x 3050 mm, 1525 x 5080 mm
- cost-effective QX-L model: single-head design with fixed cutting head

## ETM - Extended Tool Magazine



Increased tooling capacity and automatic tool change

- 40 additional punch/die combinations
- preload tools during operation
- tool life monitoring
- available for Strippit PX





## PA and LA automation



LA Load

### Simple and efficient punch and laser automation

- PA - Push Autoload (punch): loading/unloading (1215, 1225, 1530, 1540)
- LA Load (laser): loading to the shuttle table
- LA Load/Unload (laser): loading and unloading to a station or conveyor
- LA 3015: sheet size up to 3070 x 1540 mm, weight 900 kg

## CT - Compact Tower



CT-L

### Cost-effective tower automation for punch (CT-P) and laser (CT-L)

- loading, unloading and material/parts storage
- 4, 6, 8 or 10 pallets
- CT-P & -L 3015: sheet size up to 3050 x 1525, pallet capacity: 3000 kg

## FA - Flexible Automation



FA-P

### Advanced automation system for punch (FA-P) and laser (FA-L)

- high-speed loading and unloading
- part picking and stacking on Strippit PX punch press
- FA-P & -L 3015: sheet size up to 3050 x 1525 mm, pallet capacity: 3000 kg
- FA-L 4020 & 6020: sheet width: 2055 mm, sheet lengths: 4095 and 6135, pallet capacity: 5000 kg

## TAS/WAS - Tower and Warehouse Automation Systems



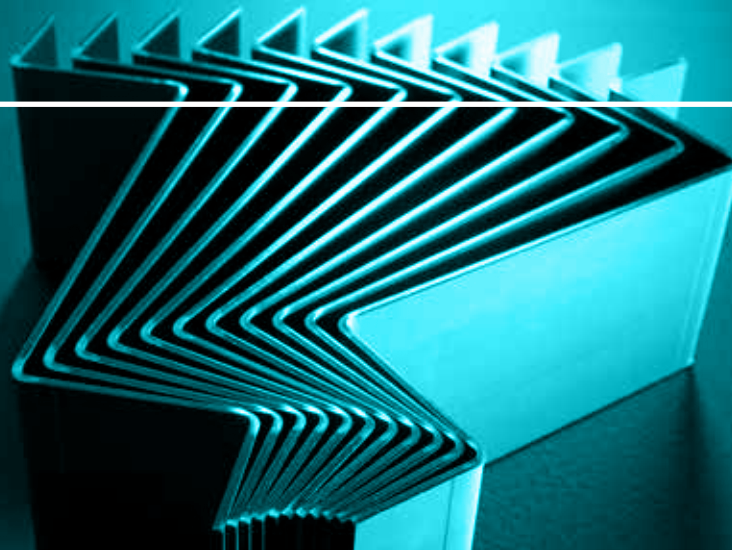
WAS

### Automation Systems for punch and laser

- TAS: single or double-tower storage systems
- TAS sheet size formats: 3070 x 1540 mm, 4090 x 2055 mm, weight 3000 kg
- WAS: customisable storage, minimum of 4 towers in single or double rows
- WAS 3015: sheet size up to 3070 x 1540 mm, weight 3000 kg
- WAS 4020: sheet size up to 4090 x 2055 mm, weight 5000 kg



# BEND



## Dyna-Press



**Electric-drive press brake efficiently bends small parts at high speeds**

- 4-axis back gauge, Dyna-Press Pro 5-axis back gauge
- bending speeds up to 25 mm per second
- bending capacities: 24 to 60 ton
- bending lengths: 1250 to 2040 mm
- Dyna-Press Pro available with Easy-Form® Laser

## PPED



**Practical and easy-to-use hydraulic press brake for general bending applications**

- 2- or 4-axis back gauge
- CNC crowning available
- bending capacities: 50 to 320 ton
- bending lengths: 2000 to 4000 mm

## PPEB/Easy-Form®



**High-precision hydraulic press brakes for demanding applications**

- 2-, 5- or 6-axis backgauge
- turbo hydraulics for high speed bending
- Easy-Form® Laser adaptive bending system (Easy-Form series)
- CNC crowning available
- bending capacities: 80 to 640 ton
- bending lengths: 1500 to 8000 mm

## ToolCell



### Full-featured hydraulic press brake with integrated automatic tool changing

- Easy-Form® Laser adaptive bending system
- bending capacities: 135 to 220 ton
- bending lengths: 3060 to 4080 mm
- ToolCell Plus: fit for higher tonnages per meter

## Tandem press brake



### Tandem press brakes of similar or dissimilar tonnage for extra-long bending lengths

- tandem configuration
- synchronised operation of machines via single CNC control
- independent operation of each machine with separate control
- custom configurations for Easy-Form and PPEB-H

## PPEB-H



### Configure-to-order press brake for L, XL and XXL special applications

- numerous configurable machine selections and automation options, e.g. Easy-Form® Laser
- CNC crowning
- turbo hydraulics for high speed bending
- 400 ton x 4000 mm bending length to 3000 ton x 14000 mm

## Synchro-Form



### Award-winning adaptive bending technology for XXL profiles and components

- efficient bending of XXL profiles and components
- automatic part positioning and manipulation
- angle measurement and compensation avoid accumulated error
- 400 ton x 4000 mm bending length to 3000 ton x 14000 mm



## Robotic Bending System - RBS 80



### Fully autonomous bending cell

- parts up to 3050 x 1250 mm, part weight up to 80 kg
- maximum profile length: 3000 mm
- bending capacities: 135 or 220 ton
- bending lengths: 3000, 4000 or 4200 mm
- press brakes: PPEB, Easy-Form and ToolCell
- automated programming, no robot teaching required

## Robotic Bending System - RBS 40



### Flexible bending cell

- parts up to 1600 x 1200 mm, part weight up to 40 kg
- maximum profile length: 2000 mm
- bending capacities: 80, 135 or 220 ton
- bending lengths: 2500 or 3000 mm
- press brakes: PPED, PPEB, Easy-Form and ToolCell
- automated programming, no robot teaching required

## Robotic Bending System - RBS 4



### Cost-efficient bending cell

- parts up to 600 x 400 mm, part weight up to 4 kg
- maximum profile length: 600 mm
- bending capacities: 40 or 50 ton
- bending lengths: 1500 or 2000 mm
- press brakes: PPED and Dyna-Press Pro
- automated programming, no robot teaching required

## Robotic Bending System - RBS 40-P



### Lean-Cell

- Easy-Form 80/25 press brake integrated with Strippit M-1225 punch press and PA Autoload
- bends parts up to 1600 x 1200 mm, part weight up to 40 kg
- maximum profile length: 2000 mm
- punches sheet sizes up to 1250 x 2500 mm
- automated programming, no robot teaching required

## Ricobb



### Retrofittable cobot bending system

- parts up to 300 x 200 mm
- part weight up to 4 kg
- available for LVD press brakes built from 2001
- interchangeable gripper extensions
- easy programming, simple cobot teaching

## Press brake tooling



### High-precision press brake tooling for standard and custom applications

- progressive STONE radius on V-dies
- induction hardened up to a minimum of 56 HRC
- standard and ToolCell-specific punches and dies, multi-V and adjustable dies; hemming tools
- dies in Thyrotherm® for heavy-duty bending

## CS shear



### Reliable and cost-competitive shearing equipment

- motorised adjustment of cutting angle
- blades with four cutting edges
- standard blade suitable for mild and stainless steel
- sheet thickness/cutting length: 6.35 mm/3100 mm, 6.35 mm/4000 mm, 13 mm/3100 mm

## MVS & HGS shears



### Highly flexible shearing machines

- motorised adjustment of blade clearance and cutting angle
- blades with four cutting edges
- configurable features
- sheet thickness/cutting length: 6.35 mm/3100 mm to 30 mm/6200 mm



## Multifold panel bender

### Cost-effective panel production



- handling large-scale panels
- full automation for high productivity
- one set of tools for a variety of profiles
- up to 2500 mm bending length, 400 mm height (Multifold 2540)
- up to 3200 mm bending length, 110 mm height (Multifold 3211)



**Products  
materialised by  
LVD touch your  
life in more ways  
than you can  
imagine.**



# INTEGRATE



## CADMAN-FLOW



**Connects all CADMAN® software modules, improving process flow**

- single point of entry to the complete software suite
- API for importing parts and production orders
- automates your part programming workflow
- provides real-time machine status
- intuitively browse parts and their bend solutions

## CADMAN-SDI



**Smart Drawing Importer**

- imports native CAD-files per part, per batch or in watch mode in over 40 file types
- visualises all cost drivers ready for export
- repairs parts with BricsCAD®
- checks feasibility and estimates time for laser cutting, punching and bending
- connects to ERP with XML communication

## CADMAN-B



**Achieves the correct unfolding first time and easily creates complex bending programs**

- determines the optimal bend sequence, tool and backgauge setup
- optimises tool setup across different parts: part sequence, tooling type and setup
- seamlessly links to CADMAN-L or P for the creation of a nesting and laser cutting or punching programs
- calculates bending solutions per part, per batch or in watch mode

## CADMAN-SIM



### Smart programming software for robotised bending cells

- automatically programs press brake, robot and gripper
- calculates bending solution, collision-free robot path and part handling
- simulates the complete part production
- no in-depth robot knowledge or robot teaching required

## CADMAN-P/L



### Uses the full potential of laser cutting and punching machines

- enables file importation through simple drag and drop
- simulates laser cutting (L) and punching process (P)
- smart features: optimised sheet utilisation, fly-cut, remnant creation, collision avoidance (L)
- tool expert defines punching and forming functions (P)
- includes report module for time and cost calculation

## CADMAN-JOB



### Examines, filters and bundles production orders for a minimised setup

- connects the central database, ERP system, CAM and workshop
- generates, classifies and groups jobs for all sheet metal fabrication operations
- provides all relevant production information for reverse calculations
- visualises foreign operations such as tapping and deburring

## Touch-i4



### Powerful tablet collects real-time information and helps the operator sort and validate parts

- KPI (Key Performance Indicators) history indication
- future workload overview per work center
- Sort & Validate mode, location assignment according to production order
- option to CADMAN-JOB



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