PRODUCT RANGE
LVD PRODUCT RANGE

SHEET METALWORKING, OUR PASSION, YOUR SOLUTION

LVDGROUP.COM
High-end fiber laser system for ultra-high-speed cutting.

- Processes a wide range of ferrous and non-ferrous materials
- Fast 2G acceleration during cutting
- 6, 8 or 10 kW laser source
- Sheet size format: 3000 x 1500 mm

Dynamic fiber laser cutting system is the perfect all-round performer.

- Processes a wide range of ferrous and non-ferrous materials
- High wall plug efficiency of laser source up to 40%
- 3, 4, 6, 8 or 10 kW laser source
- Sheet size formats: 3000 x 1500 mm, 4000 x 2000 mm, 6000 x 2000 mm, 8000 x 2000 mm

Flexible, cost-efficient fiber laser cutting machine.

- Processes a wide range of ferrous and non-ferrous materials
- Automatic pallet changeover in just 26 seconds
- 2, 3 or 4 kW laser source
- Sheet size formats: 3000 x 1500 mm, 4000 x 2000 mm
Taurus FL - AVAILABLE IN 2020
Large-format fiber laser cutting machine.

- Sheet width: 3300 mm
- 6, 8 or 10 kW laser source
- Cutting length: modular, up to 45 m
- Available with bevel head

TL 2665-FL & TL 2450-FL
High-performance tube laser cutting machines.

- 7-position magazine loader
- Automatic compensation
- 1, 2 or 3 kW fiber laser source
- 7925 mm maximum tube length and 165 mm diameter

Modular Automation CT-L / FA-L
Load / unload systems for increased productivity.

- Compact Tower - CT-L: storage tower for 4, 6, 8 or 10 pallets
  Maximum sheet thickness: 25 mm
  Sheet size format: 3015 x 1525 mm
- Flexible Automation - FA-L: load / unload system
  Maximum sheet thickness: 20 mm
  Sheet size formats: 1000 x 1000 mm to 3015 x 1525 mm
  Available for Electra FL-3015 and Phoenix FL-3015

Large-format Automation
Robust automation to handle extra-large sheets.

- Load/unload system
  Maximum sheet thickness: 25 mm
  Sheet size formats: 4000 x 2000 mm, 6000 x 2000 mm
  Available for Phoenix FL-4020 and -6020
- Compact Tower - CT-L: storage tower for 5, 10 or 14 pallets
  Two-tower system for high-volume applications
  Maximum sheet thickness: 20 mm
  Sheet size format: 4000 x 2000 mm
  Available for Phoenix FL-4020
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 mm and 910 hits/min on 1 mm centers
- Punching force: 20 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm

Strippit VX

Highly flexible punching machine, expandable with indexable multitools.

- Large turret capacity: 48 stations
- Maximum hit rate: 530 hits/min on 25 mm and 920 hits/min on 1 mm centers
- Punching force: 20 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 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 mm and 900 hits/min on 1 mm centers
- Punching force: 30 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 1250 x 2500 mm, 1525 x 3050 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 mm and 900 hits/min on 1 mm centers
- Punching force: 20 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 1250 x 2500 mm, 1525 x 2500 mm

Strippit E

High-precision servo-electric punch press.

- Large turret capacity: 47 stations
- Maximum hit rate: 350 hits/min on 25 mm and 500 hits/min on 1 mm centers
- Punching force: 20 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm

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 mm and 650 hits/min on 1 mm centers
- Punching force: 20 ton; maximum material thickness: 6.35 mm
- Sheet size formats: 1250 x 2500 mm, 1525 x 2500 mm

Strippit PL Punch Laser Combination

Punching advantages of the Strippit Series combined with the speed of fiber laser cutting.

- Available in both turret and single-head technology
- 3 kW laser source - 4 kW optional
- Punching force: 20 ton for single head and 30 ton for turret punch press
- Sheet size format: 1525 x 3050 mm
Extended Tool Magazine - ETM

Increased tooling capacity and automatic tool change.

- 40 additional punch/die combinations
- Preload tools during operation
- Tool life monitoring
- Available for Strippit PX

Flexible Automation - FA-P

Advanced load/unload and part picking system with large stacking area.

- Maximum material thickness: 4 mm
- Maximum sheet size: 1525 x 3050 mm
- Maximum load table: 3000 kg
- Available for Strippit PX

Compact Tower - CT-P

Automatic loading, unloading and storage of raw materials and finished parts.

- Compact set up and convenient forklift manipulation
- 6- or 10-pallet configuration
- Sheet size formats: 1250 x 2500 mm, 1525 x 3050 mm
- Available for Strippit PX, VX, V, E and M

Load/unload system

Compact automated load/unload system.

- Maximum sheet thickness: 3.5 mm
- Sheet size format: 3050 x 1525 mm
- Maximum weight per pallet: 3000 kg
- Available for Strippit PX, VX, V, E and M
ToolCell

**Full-featured hydraulic press brake with integrated automatic tool changing.**

- Features Easy-Form® Laser adaptive bending system
- Bending capacities: 135 to 220 ton
- Bending lengths: 3060 to 4080 mm
- ToolCell Plus: fit for bending parts with high flanges

ToolCell XT

**Automatic tool changing press brake with 50% more tool capacity than standard ToolCell.**

- Features Easy-Form® Laser adaptive bending system
- Extra tooling capacity inside the warehouse
- Increased versatile production of small batches
- Available in 135 ton/4080 mm

Easy-Form®

**The ultimate press brake featuring Easy-Form® Laser adaptive bending system.**

- 2-, 5- or 6-axis backgauge
- Turbo hydraulics for high speed bending
- Bending capacities: 80 to 640 ton
- Bending lengths: 1500 to 8000 mm
PPEB

High-precision, configure-to-order hydraulic press brake for demanding applications.

- 2-, 5- or 6-axis backgauge
- CNC crowning: available for bending lengths ≥ 2500 mm
- Bending capacities: 50 to 640 ton
- Bending lengths: 1500 to 8000 mm

PPED

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

- 2- or optional 4-axis backgauge
- CNC crowning: available for bending lengths ≥ 3000 mm
- Bending capacities: 50 to 320 ton
- Bending lengths: 2000 to 4000 mm

Dyna-Press

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

- 4-axis backgauge, Dyna-Press Pro 5-axis backgauge
- Bending speeds up to 25 mm per second
- Bending capacities: 24 to 40 ton
- Bending lengths: 1250 to 1530 mm

Dyna-Cell

Fast and cost-efficient robotic bending cell.

- Part sizes from 30 x 100 mm up to 350 x 500 mm
- Unique gripper developed and patented by LVD
- Manned or unmanned production up to 8 hours
- Intelligent programming wizard
Automated bending cell

Fully automated production for LVD press brakes.

- Collaboration with leading robot integrators
- Bending capacities: 40 to 1000 ton
- Compatible with automation systems and warehouses
- Available for ToolCell, Easy-Form and PPEB

Synchro-Form

Award-winning adaptive bending technology for XXL profiles.

- Efficient and accurate bending of XXL profiles
- 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

PPEB-H

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

- Numerous configurable machine selections and automation options
- CNC crowning
- Turbo hydraulics for high-speed bending
- 400 ton x 4000 mm bending length to 3000 ton x 14000 mm

Tandem, tridem or quadem

Coupled press brakes of similar or dissimilar tonnage for extra-long bending lengths.

- Tandem, tridem and quadem configurations
- Synchronised operation of machines via single CNC control
- Independent operation of each machine with separate control only for tandem
- Custom configurations for Easy-Form® and PPEB-H
Press brake tooling

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

- Progressive STONE radius on V-dies
- Inductive 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

MVS & HGS shears

Highly flexible shearing machines for virtually all shearing needs.

- Motorised adjustment of blade clearance and cutting angle
- Blades with four cutting edges
- Large throat gap permits overlap cutting
- Sheet thickness/cutting length: 6.35 mm/3100 mm to 20 mm/6200 mm

CS shears

Reliable and cost-competitive shearing equipment for general shearing applications.

- 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
Touch controls

LVD’s touch controls for laser cutting, punching and bending machines provide an easy-to-use interface for all operators.

- Intuitive touch screen control
- Minimises operator input
- Makes setup fast and efficient
- Works with centralised CADMAN® database

CADMAN-SDI

Smart Drawing Importer allows fast CAD file import and efficient calculation of cost drivers.

- Imports parts individually or in a batch
- All cost drivers are visible at a glance and can be exported
- BricsCAD® 3D direct modeling CAD package
- Available as a plug-in for SolidWorks

CADMAN-L

Releases the full potential of the laser cutting machine: programming, including nesting and optimisation of cutting and machine parameters.

- Laser job management, on screen simulation of cutting sequence and beam path indication
- Optimised technology tables per machine
- Report module with time and cost calculation
- Intelligent functions such as optimisation for sheet utilisation, fly-cut, remnant creation
INTEGRATE

CADMAN-P

Provides a flexible, powerful and easy-to-use software to tackle punching needs.

• Advanced nesting with optimisation of tool changes and sequencing
• Automated processes such as punch sequencing macros and clamp positioning
• Tool expert to define punch and nibbling functions
• Graphical representation of punching process

CADMAN-B

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

• Determines the optimal bend sequence, tooling, tool and gauge positions
• Processes all standard 3D CAD models (SAT, STEP, IGES, ...)
• Seamlessly links to CADMAN-L or CADMAN-P for 2D-part profiling
• Extended automatic batch processing ability - Solution Finding Service

CADMAN-JOB

Examines in real-time every order and filters and bundles orders for a minimised setup.

• Connects the central database, ERP system, CAM and jobshop
• Generates, classifies and groups jobs for laser cutting, punching and bending
• Provides all relevant production information for reverse calculations

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