LVD STRIPPIT PRODUCT RANGE

SHEET METALWORKING, OUR PASSION, YOUR SOLUTION

LVDGROUP.COM
**Electra FL**

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: 120" x 60" (3000 x 1500 mm)

**Phoenix FL**

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: 120" x 60" (3000 x 1500 mm), 160" x 80" (4065 x 2035 mm), 240" x 80" (6100 x 2035 mm), 315" x 80" (8000 x 2035 mm)

**Lynx FL**

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: 120" x 60" (3000 x 1500 mm), 160" x 80" (4065 x 2035 mm)
**Taurus FL - AVAILABLE IN 2020**

Large-format fiber laser cutting machine.

- Sheet width: 130” (3300 mm)
- 6, 8 or 10 kW laser source
- Cutting length: modular, up to 148’ (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
- 26’ (7925 mm) maximum tube length and 6.5” (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: 1” (25 mm)
  - Sheet size format: 120” x 60” (3050 x 1525 mm)
- **Flexible Automation - FA-L:** load / unload system
  - Maximum sheet thickness: 3/4” (20 mm)
  - Sheet size formats: 40” x 40” (1000 x 1000 mm)
    to 120” x 60” (3050 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: 1” (25 mm)
  - Sheet size formats: 160” x 80’ (4065 x 2035 mm)
    240” x 80’ (6100 x 2035 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: 3/4” (20 mm)
  - Sheet size format: 160” x 80’ (4065 x 2035 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 1" (25.4 mm) and 910 hits/min on 0.04" (1 mm) centers
- Punching force: 20 ton; maximum material thickness: 1/4" (6.35 mm)
- Sheet size formats: 49.21" x 98.4" (1250 x 2500 mm)
- Optional Extended Tool Magazine provides 40 additional punch/die combinations

Strippit VX

Highly flexible punching machine expandable with indexable multitools.

- Large turret capacity: 48 stations
- Maximum hit rate: 530 hits/min on 1" (25.4 mm) and 920 hits/min on 0.04" (1 mm) centers
- Punching force: 20 ton; maximum material thickness: 1/4" (6.35 mm)
- Sheet size formats: 49.21" x 98.4" (1250 x 2500 mm), 60" x 120" (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 1" (25.4 mm) and 900 hits/min on 0.04" (1 mm) centers
- Punching force: 30 ton; maximum material thickness: 1/4" (6.35 mm)
- Sheet size formats: 49.21" x 98.4" (1250 x 2500 mm), 60" x 120" (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 1” (25.4 mm) and 900 hits/min on 0.04” (1 mm) centers
- Punching force: 20 ton; maximum material thickness: 1/4” (6.35 mm)
- Sheet size formats: 49.21” x 49.21” (1250 x 1250 mm), 49.21” x 98.4” (1250 x 2500 mm), 60” x 98.4” (1525 x 2500 mm)

**Strippit E**

High-precision servo-electric punch press.

- Large turret capacity: 47 stations
- Maximum hit rate: 350 hits/min on 1” (25.4 mm) and 500 hits/min on 0.04” (1 mm) centers
- Punching force: 20 ton; maximum material thickness: 1/4” (6.35 mm)
- Sheet size formats: 49.21” x 98.4” (1250 x 2500 mm), 60” x 120” (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 1” (25.4 mm) and 650 hits/min on 0.04” (1 mm) centers
- Punching force: 20 ton; maximum material thickness: 1/4” (6.35 mm)
- Sheet size formats: 49.21” x 49.21” (1250 x 1250 mm), 60” x 98.4” (1525 x 2500 mm)

**Strippit VT/ST**

Rugged, reliable thin turret punch presses.

- Flexible thin turret (40 stations VT; 29 stations ST)
- Maximum hit rate: VT: 440 hits/min on 1” (25.4 mm); 1000 hits/min on 0.04” (1 mm) centers; ST: 360 hits/min on 1” (25.4 mm); 900 hits/min on 0.04” (1 mm) centers
- punching force: VT – 30 ton; ST – 20 ton; maximum material thickness: 1/4” (6.35 mm)
- Sheet size formats: VT: 60” x 98.4” (1525 x 2500 mm); ST: 49.21” x 49.21” (1250 x 1250 mm), 49.21” x 98.4” (1250 x 2500 mm)
- PC-based Fanuc CNC control
**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: 60” x 120” (1525 x 3050 mm)

**Flexible Automation - FA-P**

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

- Maximum material thickness: 0.157” (4 mm)
- Maximum sheet size: 60” x 120” (1525 x 3050 mm)
- Maximum load table: 6000 lbs.
- 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: 49.21” x 98.4” (1250 x 2500 mm), 60” x 120” (1525 x 3050 mm)
- Available for Strippit PX, VX, V, E, M and VT/ST

**Load/unload system**

Compact automated load/unload system.

- Maximum sheet thickness: 0.140” (3.5 mm)
- Sheet size format: 60” x 120” (1525 x 3050 mm)
- Maximum weight per pallet: 6000 lbs.
- Available for Strippit PX, VX, V, E, M and VT/ST
ToolCell

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

- Features Easy-Form® Laser adaptive bending system
- Bending capacities: 150 to 240 ton
- Bending lengths: 120” to 157” (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 150 ton / 157” (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: 90 to 700 ton
- Bending lengths: 59” to 315” (1.5 to 8 m)
**PPEB**

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

- 2-, 5- or 6-axis back gauge
- CNC crowning: available for bending lengths ≥ 98.4” (2500 mm)
- Bending capacities: 90 to 700 ton
- Bending lengths: 59” to 315” (1.5 to 8 m)

**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 ≥ 98.4” (2500 mm)
- Bending capacities: 55 to 350 ton
- Bending lengths: 78” x 157” (2000 x 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 59” per minute
- Bending capacities: 24 to 40 ton
- Bending lengths: 33” to 60” (835 to 1530 mm)

**Dyna-Cell**

Fast and cost-efficient robotic bending cell.

- Part sizes from 1.1” x 3.9” (30 x 100 mm) up to 13.7” x 19.6” (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 13’ (4 m) bending length to 3000 ton x 46’ (14 m)

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 13’ (4 m) to 3000 ton x 46’ (14 m)

Tandem, Tridem or Quadem

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

- Tandem, tridem and quadem configurations
- Synchronized 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.

- Motorized adjustment of blade clearance and cutting angle
- Blades with four cutting edges
- Large throat gap permits overlap cutting
- Sheet thickness/cutting length:
  0.250" (6.35 mm)/122" (3100 mm) to 1.18" (30 mm)/244" (6200 mm)

CS Shears

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

- Motorized adjustment of cutting angle
- Blades with four cutting edges
- Standard blade suitable for mild and stainless steel
- Sheet thickness/cutting length: 0.250" (6.35 mm)/122" (3100 mm) to 0.510" (13 mm)/122" (3100 mm)
INTEGRATE

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
- Minimized operator input
- Makes setup fast and efficient
- Works with centralized 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® 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 optimization of cutting and machine parameters.

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

CADMAN-P

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

- Advanced nesting with optimization 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, etc.)
- 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 minimized tool/turret setup.

- Connects the central database, ERP system, CAM and job shop
- 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 materialized by LVD touch your life in more ways than you can imagine.”