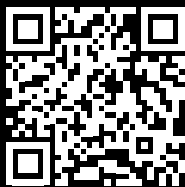

PRODUCT RANGE



CONNECT WITH US ON SOCIAL MEDIA

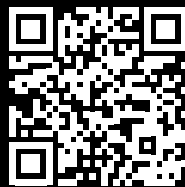
FACEBOOK



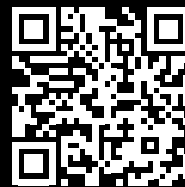
INSTAGRAM



LINKEDIN



YOUTUBE



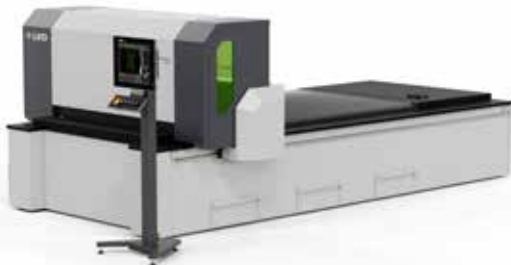
LVD PRODUCT RANGE

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

LVDGROUP.COM

LASER

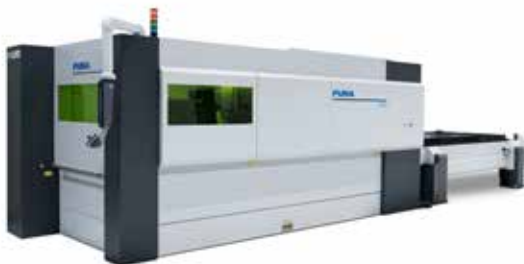
LaserTWO



Cost-efficient laser cutting

- Two models: Fixed table with gantry cover; Shuttle table with full cover
- 3, 6 or 12 kW laser source
- Sheet size format 120" x 60" (3050 x 1525 mm)
- Optional Load-Assist automation (load only)

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: 120" x 60" (3050 x 1525 mm), 160" x 80" (4065 x 2035 mm), 240" x 80" (6160 x 2035 mm)
- Puma 6525: 252" x 98" (6400 x 2500 mm) (straight cutting), 240" x 78" (6100 x 2000 mm) (bevel cutting, bevel head optional)

Phoenix FL



Dynamic fiber laser cutting system is the perfect all-around performer

- Processes a wide range of ferrous and non-ferrous materials
- High wall-plug efficiency of laser source up to 40 %
- 6, 12 or 20 kW laser source
- Sheet size formats: 120" x 60" (3050 x 1525 mm), 60" x 80" (4065 x 2035 mm), 240" x 80" (6160 x 2035 mm)
- Phoenix FL-6525: 252" x 98" (6400 x 2500 mm) (straight cutting), 240" x 78" (6100 x 2000 mm) (bevel cutting, bevel head optional)

Taurus



Large-format fiber laser cutting machine

- Sheet size width: 125" (3200 mm)
- 12, 20 or 30 kW laser source
- Maximum cutting length (multiple sheets)
straight cutting: 1649" (41,900 mm)
bevel cutting: 1633" (41,500 mm)
- Available with bevel head

Tube lasers



High-performance tube laser cutting machines

- Front loader standard
- Up to 6 kW
- Up to 9.8" (250 mm) square or round
- Models/tube length:
TL 8525/27.8 ft. (with bevel head),
TL 2665/26 ft.

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 1" (25.4 mm) and 650 hits/min on 0.04" (1 mm) centers
- Punching force: 20 ton; max. 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 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; max. 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 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; max. 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), 60" x 196" (1525 x 5000 mm)

Strippit ST/VT



Rugged, reliable thin turret punch presses

- Flexible thin turret (29 stations ST; 40 stations VT)
- Max. hit rate: ST: 360 HPM on 1" (25.4 mm); 900 HPM on 0.04" (1 mm) centers; VT: 440 HPM on 1" (25.4 mm); 1000 HPM on 0.04" (1 mm) centers
- Punching force: ST - 20 ton; VT - 30 ton; up to 1/4" (6.35 mm)
- Sheet size formats: ST: 49.21" x 49.21" (1250 x 1250 mm), 49.21" x 98.4" (1250 x 2500 mm); VT: 60" x 120" (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 1" (25.4 mm) and 920 hits/min on 0.04" (1 mm) centers
- Punching force: 20 ton; max. material thickness: 1/4" (6.35 mm)
- Sheet size formats: 49.21" x 60.0" (1250 x 1500 mm), 49.21" x 98.4" (1250 x 2500), 60" x 120" (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 1" (25.4 mm) and 910 hits/min on 0.04" (1 mm) centers
- Punching force: 20 ton; max. 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), 60" x 196" (1525 x 5000 mm)

Strippit PL - Punch Laser Combination



Punching advantages combined with the speed of fiber laser cutting

- Available in both turret (thick and thin) and single-head technology (Strippit PX)
- Punching force: 30 ton (turret), 20 ton (single-head)
- 4 kW laser source
- Sheet size formats: 60" x 120" (1525 x 3050 mm), 60" x 200" (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 120" x 60" (3070 x 1540 mm), weight 1980 lbs (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: 6 or 10)
- CT-P & -L 3015: sheet size up to 120" x 60" (3050 x 1525 mm), pallet capacity: 6600 lbs (3000 kg)
- CT-P 1225: sheet size 49.21" x 98.4" (1250 x 2500 mm)

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 120" x 60" (3050 x 1525 mm), pallet capacity: 6600 lbs (3000 kg)
- FA-L 4020 & 6020: sheet width: 80" (2055 mm), sheet lengths: 160" (4095 mm) and 240" (6135 mm), pallet capacity: 11000 lbs (5000 kg)

TAS/WAS - Tower and Warehouse Automation Systems



WAS

Automation systems for punch and laser

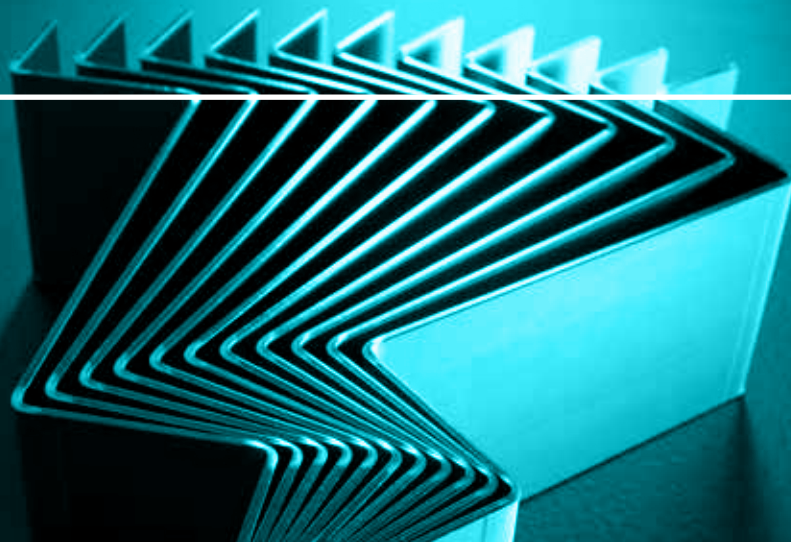
- TAS: single or double-tower storage systems
- TAS sheet size formats: 120" x 60" (3070 x 1540 mm), 160" x 80" (4090 x 2055 mm), weight 6600 lbs (3000 kg)
- WAS: customizable storage, minimum of 4 towers in single or double rows
- WAS 3015: sheet size up to 120" x 60" (3070 x 1540 mm), weight 6600 lbs (3000 kg)
- WAS 4020: sheet size up to 160" x 80" (4090 x 2055 mm), weight 11000 lbs (5000 kg)



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



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 59" per minute
- Bending capacities: 24 to 60 ton
- Bending lengths: 49" to 80" (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: 55 to 350 ton
- Bending lengths: 78" x 157" (2000 x 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: 90 to 700 tons
- Bending lengths: 59" to 315" (1500 to 8000 mm)

ToolCell



Full-featured hydraulic press brake with integrated automatic tool changing

- Easy-Form® Laser adaptive bending system
- Bending capacities: 150 to 240 ton
- Bending lengths: 120" x 157" (3060 to 4080 mm)

Tandem press brake



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

- Tandem configuration
- Synchronized 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 13' (4 m) bending length to 3000 ton x 46' (14 m)

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 13' (4 m) bending length to 3000 ton x 46' (14 m)

Robotic Bending System - RBS 80



Fully autonomous bending cell

- Configurable, automated bending cell
- Parts up to 120" x 49.2" (3050 x 1250 mm), part weight up to 176 lbs (80 kg)
- Maximum profile length: 118.1" (3000 mm)
- Bending capacities: 135 or 220 ton
- Bending lengths: 118.1", 157.4" or 165.3" (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

- Configurable, automated bending cell
- Parts up to 62.9" x 47.2" (1600 x 1200 mm), part weight up to 88 lbs (40 kg)
- Maximum profile length: 78.7" (2000 mm)
- Bending capacities: 80, 135 or 220 ton
- Bending lengths: 98.4" or 118.1" (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

- Configurable, automated bending cell
- Parts up to 23.6" x 15.7" (600 x 400 mm), part weight up to 8 lbs (4 kg)
- Maximum profile length: 23.6" (600 mm)
- Bending capacities: 40 or 50 ton
- Bending lengths: 59" or 78.7" (1500 or 2000 mm)
- Press brakes: PPED and Dyna-Press Pro
- Automated programming, no robot teaching required

Ricobb



Retrofittable cobot bending system

- Parts up to 11.8" x 7.8" (300 x 200 mm)
- Part weight up to 8 lbs (4 kg)
- Available for LVD press brakes built from 2001
- Interchangeable gripper extensions
- Easy programming, simple cobot teaching

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 98.43" (2500 mm) bending length, 15.7" (400 mm) height (Multifold 2540)
- Up to 125.95" (3200 mm) bending length, 4.33" (110 mm height) (Multifold 3211)

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

- 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), 0.250" (6.35 mm)/157" (4000 mm), 0.510" (13 mm)/122" (3100 mm)

MVS & HGS shears



Highly flexible shearing machines

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

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
- Visualizes 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
- Optimizes 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 robotized 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: optimized sheet utilization, 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 minimized 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
- Visualizes 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

LVDGROUP.COM