LVD

Strippit PX-Series

PUNCH, BEND, TAP AND FORM

ENERGY REDUCTION SYSTEM

www.lvdgroup.com

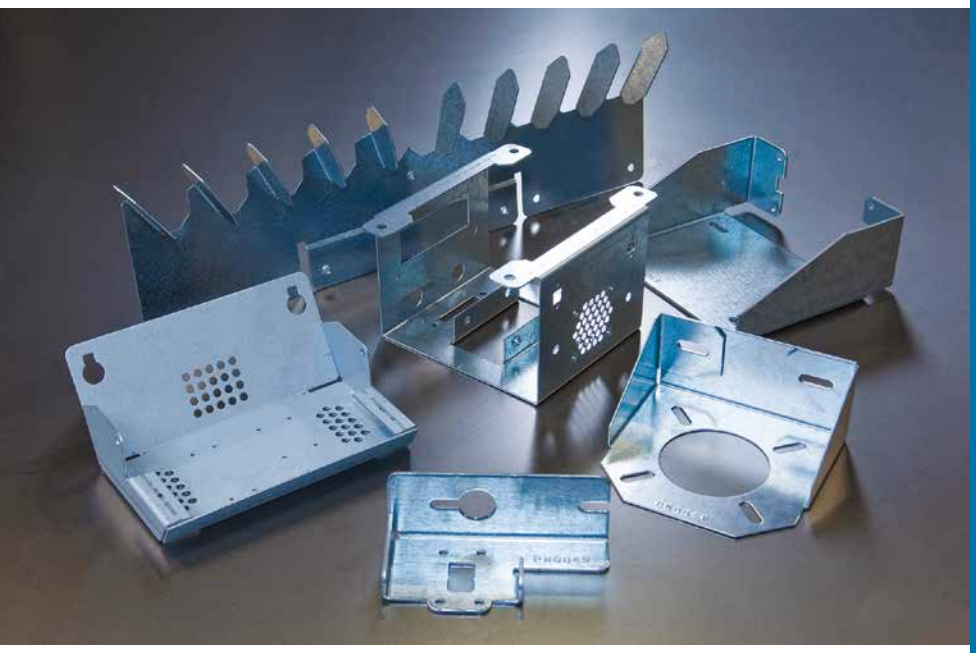
Sheet Metalworking, Our Passion, Your Solution

STRIPPIT PX-SERIES

Punch, form, bend and tap on a single machine

The Strippit PX-Series offers the flexibility to punch, form, bend and tap on a single machine. Realize complete multiple processes, including complex, three-dimensional parts. The Strippit PX-Series punch press provides exceptional forming capabilities, all-tool rotation of up to 200 tools, high hit rates, large work piece handling and is available with automation options.

- Advanced forming and bending
- Large tool capacity
- High-speed operation
- Energy efficient
- Wide clearance and free space around the punch head



Strippit PX-Series

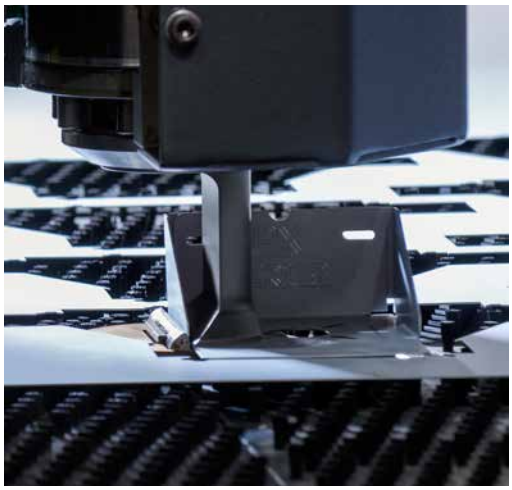
MORE THAN JUST A PUNCH PRESS

- **High hit rates** of up to 505 HPM at 25 mm pitch
- **Advanced forming capabilities,** bend flanges up to 75 mm high
- **20 tool stations** accepting tools up to 90 mm in diameter, up to 200 tools with use of indexable Multi-Tools
- **200 kN** configuration
- **Energy Reduction System (ERS)** reduces energy consumption
- Finished part **accuracy** of +/- 0,10 mm with **repeatability** of +/- 0,05 mm over the entire table
- T-style **tooling compatible**
- **Programmable and relocatable** work clamps for complete sheet usage
- **Programmable parts chute**
- **Smart Stroke** automatically optimizes the ram stroke
- PC-based Fanuc **CNC control**
- Optional offline programming software, **CADMAN® - P**, with 3D visualization and simulation
- **Modular automation** options, retrofits are possible

KEY FEATURES

Advanced punching & forming

Advanced punching, forming, bending and tapping for maximum added value



opti-bend

embossing

SINGLE HEAD ALL TOOL ROTATION DESIGN

The Strippit PX-Series features a single-head system that provides the versatility of 20 indexable tool stations with up to 90 mm in diameter. Set-up and tool change time is minimized thanks to the circular tool magazine and the full rotation capabilities of each station.

LARGE TOOLING CAPACITY

All stations can be equipped with punching, forming, bending or tapping tools and 5- or 10-station indexable Multi-Tools, providing a capacity of up to 200 tools. Quick change punch and die holders speed tool set-up and changeover.

OPTI-BEND

Bend small boxes, brackets, knockouts, louvers and countersinks with flange heights up to 75 mm. Parts at any angle on the sheet can be formed, punched, and bent. These capabilities reduce set-up time and part handling.

OPTI-TAP

An optional fully automatic tapping tool system from Wilson Tool allows tapping in materials up to 8 mm thick in sizes from M2.5 to M5 and M6 to M10.

OPTI-MARK

An optional 40 character ID stamping tool from Wilson Tool eliminates secondary parts marking operations and allows complete traceability of parts through the fabrication process. Character set includes A to Z,0-9, - / , . and special characters.

SCRIBE

An optional diamond-tip scribing tool provides accurate marking capabilities from logos to serial numbers. The scribe tool produces a consistent depth and won't deform the material or mark the underside of the sheet.

WHEEL

An optional wheeling tool provides flexibility through production of embosses, slits, ribs and offsets on a wide range of materials with no burrs or nibble marks.

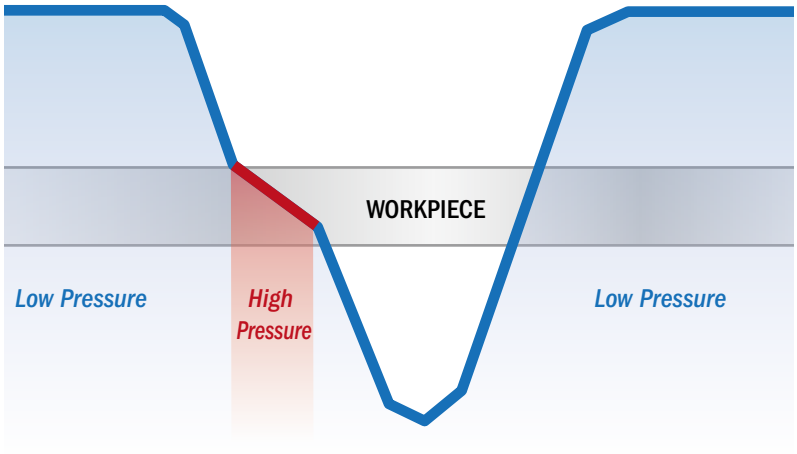
scribing tool

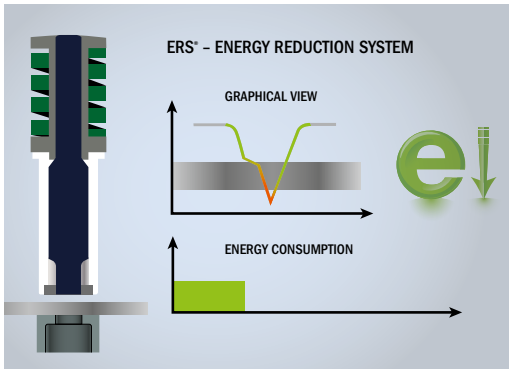
tapping tool

KEY FEATURES

Optimised operations

Maximize productivity and reduce energy consumption



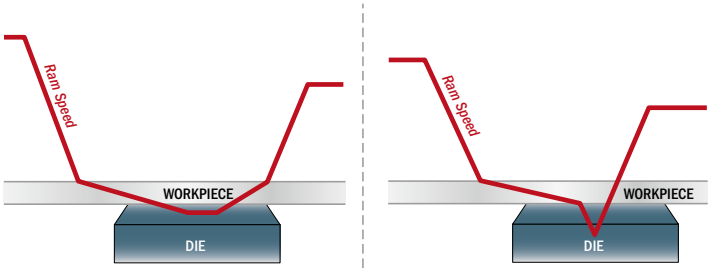


ERS - ENERGY REDUCTION SYSTEM

The **Energy Reduction System** (ERS) automatically reduces power consumption when the machine is idle. ERS reduces energy consumption by up to 15% compared to previous Strippit punch presses.

ENERGY SAVING PRESS DRIVE

A unique **Hi-Lo pressure system** provides energy efficiency during machine operation. The system recognizes when, during the punching cycle, speed or pressure is required and adapts automatically. Speed is compensated when only power is required and vice versa, resulting in lower overall energy consumption.



Fully Programmable Forming Cycle

Fully Programmable Soft-punch Cycle

PROGRAMMABLE RAM

Strippit PX-Series machines feature a fully programmable ram control system with the full tonnage available over the entire stroke of the ram. The system includes individual fully programmable ram cycle profiles for punching and forming, Wilson “Wheel” tooling, tapping and Quiet Punch to achieve the highest machine productivity possible.

PROGRAMMABLE AND RELOCATABLE CLAMPS

The Strippit PX-Series features three fully programmable and re-locatable work clamps. Work clamps automatically position and relocate during the program for complete sheet utilization, resulting in material savings. Work clamp movement between jobs and during a punching cycle is defined via the offline software, reducing the set-up time and increasing productivity.

PARTS CHUTE

A programmable parts removal chute is ideal for offloading small parts. Parts up to 500 x 525 mm are separated from the sheet into a parts bin directly under the machine table or to an optional bin-sort system.

INTEGRATED FANUC CONTROL AND MOTOR DRIVE PACKAGE

Each Strippit-PX is equipped with an integrated Fanuc motor, drive and control package. The PC-based control allows the machine operator to edit, input or output programs during machine operation. The Strippit PX-Series features direct-drive AC servo motors for fast acceleration and dynamic operation.

CADMAN OFFLINE SOFTWARE

LVD's optional CADMAN® software package offers the ideal solution to quickly prepare and execute offline programs, including Punch-Bend programs.

CADMAN®

KEY FEATURES

Automation

Enabling automated production from stored raw material to stacked finished part

COMPACT TOWER (CT-P)

A Compact Tower (CT-P) with 6 or 10 pallets provides full capabilities for loading, unloading, and storage of raw materials, skeleton and finished parts, enabling automated production from stored raw material to stacked finished parts. By loading the sheets from the warehouse and storing the skeleton / finished parts back into the warehouse the CT-P system creates a productive, flexible manufacturing cell capable of operating 24/7. The system handles sheets with material thicknesses up to 6 mm with a load/unload pallet storage capacity of 3000 kg. Pallet construction is designed for compact set up and convenient forklift manipulation.

AUTOMATIC LOAD/UNLOAD (PA)

An automated load/unload system reduces manual worksheet handling by up to 80% and provides efficient processing of materials up to 3,5 mm. The compact, space-saving design loads and unloads material from the same side of the machine.

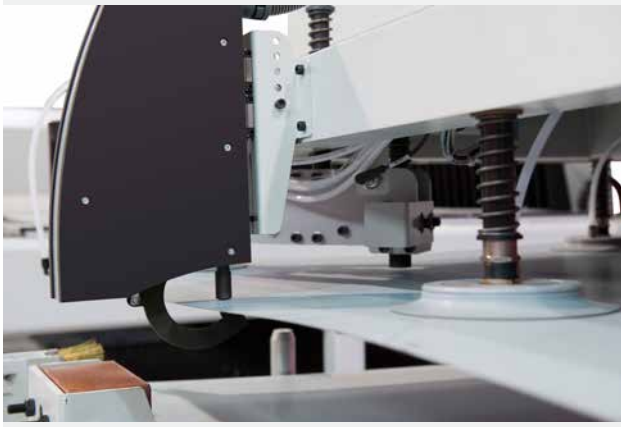
Compact Tower

FLEXIBLE AUTOMATION (FA-P)

New design load/unload automation with part picking and stacking systems eliminates all manual sheet handling. Featuring automatic load/unload and part picking functions designed with today's high speed punching capabilities in mind. The FA-P can run in a complete "lights out" manufacturing environment.

KEY AUTOMATION BENEFITS

- Maximize productivity and reduce downtime
- Continuous production
- Fully automatic loading and unloading during production cycle
- Safe, efficient handling of workpieces
- High flexibility to process a variety of material types and thicknesses



Flexible Automation (FA-P)

Automatic Load/Unload (PA)

Service, our expertise

"For us, customer service is about our relationship with the people who are an essential part of everything we do"

One size doesn't fit all. With LVD customer service, we find a service solution that fits you. Our wide variety of service options is backed up by our team of well-trained service staff able to offer worldwide assistance LVD Customer Service, at a glance:

- **Worldwide coverage,** active in over 45 countries
- **More than 180 skilled field service engineers** worldwide
- **Over 5500 hours** of training every year by field service engineers
- **More than 40,000 machines installed**
- **Minimize unplanned downtime** through preventative maintenance
- **Comprehensive training** for your products and software
- Fast supply of **original spare parts**

Contact your local Service Agent for information on service, training, maintenance contracts, software updates, spare parts and more!





Strippit PX Specifications

PUNCHING SPECIFICATIONS	STRIPPIT PX-1225	STRIPPIT PX-1530
Nominal workpiece size without repositioning	1250 x 2500 mm	1524 x 3048 mm
Maximal workpiece size with 1 repositioning	1250 x 4000 mm	1524 x 5000 mm
X-axis travel	2500 mm	3048 mm
Y-axis travel	1250 mm	1524 mm
Maximum material thickness	6,35 mm	6,35 mm
Max. sheet weight on table	150 kg	150 kg
Tonnage	200 KN	200 KN
Tool change time	1 to 5 sec.	1 to 5 sec.
Combined positioning speed X-Y	161 m/min.	130 m/min.
Hitrate on 25mm centers (2 mm working stroke - 4 mm total stroke)	505 HPM	505 HPM
Hitrate in nibbling 1 mm pitch (2 mm working stroke - 4 mm total stroke)	910 HPM	910 HPM
Hitrate in marking	1650 HPM	1650 HPM
Maximum feed clearance	80 mm	80 mm
Repititive accuracy per meter	± 0.03 mm	± 0.03 mm
Positioning accuracy per meter	± 0.10 mm	± 0.10 mm
Tooling style	Trumpf®	Trumpf®
Number of tool positions in magazine	20 pcs	20 pcs
Number of indexable tool positions	20 pcs	20 pcs
Max. Number of tools using indexable multitool	200 pcs	200 pcs
Max. tool diameter	90 mm	90 mm
Number of sheet clamps	3 CNC relocatable with part pullout sensing	3 CNC relocatable with part pullout sensing
Max clamp spread	2100 mm	2200 mm
Wheel tool capacity	standard	standard
Indexable Multitool capacity	standard	standard
Tapping tool capacity	optional	optional
Work chute	525 x 500 mm	525 x 500 mm
Average power consumption in idle run	0,9 KW	0,9 KW
Average power cunsumption in working	6,7 KW	6,7 KW
Compressed air consumption	1,5 Nm³/hr	1,5 Nm³/hr
Machine dimensions (excluding light guards and conveyors)		
Length	5083 mm	6180 mm
Width	5465 mm	6009 mm
Height	2492 mm	2546 mm
Weight	16.100 kg	17.570 kg

AUTOMATION ON PX	COMPACT TOWER CT-P1225	COMPACT TOWER CT-P1530	PA1225
Max. sheet dimensions	1250 x 2500 x 3,5 mm	1524 x 3048 x 3,5 mm	1250 x 2500 x 3,5 mm
Min. Sheet dimensions	1000 x 1000 x 0,5 mm	1000 x 1000 x 0,5 mm	500 x 1000 x 0,5 mm
Max. weight on each pallet	2200 kg	3000 kg	2500 kg
Max. height on each pallet	240 mm incl. Skid	240 mm incl. Skid	310 mm incl. Skid
Footprint (LxW) including machine and conveyors according CE	11198 x 9963 mm	13090 x 10650 mm	11940 x 8450 mm
Height of the system			2492 mm
CT-P 6 pallets	4330 mm	4330 mm	
CT-P 10 pallets	5830 mm	5845 mm	

HEADQUARTERS

LVD Company nv
Nijverheidslaan 2
B-8560 GULLEGEM
BELGIUM
Tel. +32 56 43 05 11
Fax +32 56 43 25 00
E-mail: marketing@lvd.be

Strippit Inc.
12975 Clarence Center Rd.
USA-AKRON NY 14001
UNITED STATES
Tel. +1 716 5424511
Fax +1 716 5425957
E-mail: marketing@strippit.com

JOINT VENTURES

LVD LVD-HD, Ltd.
Huangshi City,
Hubei Province, China

SUBSIDIARIES

LVD BeNeLux nv
Gullegem, Belgium

LVD do Brasil Ltda.
Joinville, Brazil

LVD GmbH
Lahr, Germany

LVD Italia s.r.l.
Parma, Italy

LVD Korea Ltd.
Inchon City, Korea

LVD Malaysia Sdn Bhd
Shah Alam, Malaysia

LVD Norway AS
Oslo, Norway

LVD Polska Sp. z.o.o.
Kedzierzyn-Kozle, Poland

LVD Pullmax Ltd.
Oxfordshire, United Kingdom

LVD S2/S3 s.r.o.
Tornala, Slovakia

LVD s.a.
Raismes, France

LVD-Strippit India Pvt. Ltd.
Bangalore, India

LVD-Strippit Shanghai Co. Ltd.
Shanghai, China

LVD-Pullmax AB
Gothenburg, Sweden

LVD Thailand Ltd.
Bangkok, Thailand

LVD Center P.T.
Jakarta, Indonesia

In other countries LVD products are distributed by agents. For full address details of your local subsidiary or agent, please visit our website: www.lvdgroup.com