Strippit PX-Series
PUNCH, BEND, TAP AND FORM

www.lvdgroup.com

Sheet Metalworking, Our Passion, Your Solution
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

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.
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.

**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.
KEY FEATURES

**Automation**

**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 6mm with a load/unload pallet storage capacity of 3000kg. 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 3,5mm. The compact, space-saving design loads and unloads material from the same side of the machine.
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
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

<table>
<thead>
<tr>
<th></th>
<th>STRIPPIT PX-1225</th>
<th>STRIPPIT PX-1530</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal workpiece size without repositioning</td>
<td>1250 x 2500 mm</td>
<td>1524 x 3048 mm</td>
</tr>
<tr>
<td>Maximal workpiece size with 1 repositioning</td>
<td>1250 x 4000 mm</td>
<td>1524 x 5000 mm</td>
</tr>
<tr>
<td>X-axis travel</td>
<td>2500 mm</td>
<td>3048 mm</td>
</tr>
<tr>
<td>Y-axis travel</td>
<td>1250 mm</td>
<td>1524 mm</td>
</tr>
<tr>
<td>Maximum material thickness</td>
<td>6,35 mm</td>
<td>6,35 mm</td>
</tr>
<tr>
<td>Max. sheet weight on table</td>
<td>150 kg</td>
<td>150 kg</td>
</tr>
<tr>
<td>Tonnage</td>
<td>200 KN</td>
<td>200 KN</td>
</tr>
<tr>
<td>Tool change time</td>
<td>1 to 5 sec.</td>
<td>1 to 5 sec.</td>
</tr>
<tr>
<td>Combined positioning speed X-Y</td>
<td>161 m/min.</td>
<td>130 m/min.</td>
</tr>
<tr>
<td>Hitrate on 25mm centers (2 mm working stroke - 4 mm total stroke)</td>
<td>505 HPM</td>
<td>505 HPM</td>
</tr>
<tr>
<td>Hitrate in nibbling 1 mm pitch (2 mm working stroke - 4 mm total stroke)</td>
<td>910 HPM</td>
<td>910 HPM</td>
</tr>
<tr>
<td>Hitrate in marking</td>
<td>1650 HPM</td>
<td>1650 HPM</td>
</tr>
<tr>
<td>Maximum feed clearance</td>
<td>80 mm</td>
<td>80 mm</td>
</tr>
<tr>
<td>Repetitive accuracy per meter</td>
<td>± 0.03 mm</td>
<td>± 0.03 mm</td>
</tr>
<tr>
<td>Positioning accuracy per meter</td>
<td>± 0.10 mm</td>
<td>± 0.10 mm</td>
</tr>
<tr>
<td>Tooling style</td>
<td>Trumpf*</td>
<td>Trumpf*</td>
</tr>
<tr>
<td>Number of tool positions in magazine</td>
<td>20 pcs</td>
<td>20 pcs</td>
</tr>
<tr>
<td>Number of indexable tool positions</td>
<td>20 pcs</td>
<td>20 pcs</td>
</tr>
<tr>
<td>Max. Number of tools using indexable multitool</td>
<td>200 pcs</td>
<td>200 pcs</td>
</tr>
<tr>
<td>Max. tool diameter</td>
<td>90 mm</td>
<td>90 mm</td>
</tr>
<tr>
<td>Number of sheet clamps</td>
<td>3 CNC relocatable with part pullout sensing</td>
<td>3 CNC relocatable with part pullout sensing</td>
</tr>
<tr>
<td>Max clamp spread</td>
<td>2100 mm</td>
<td>2200 mm</td>
</tr>
<tr>
<td>Wheel tool capacity</td>
<td>standard</td>
<td>standard</td>
</tr>
<tr>
<td>Indexable Multitool capacity</td>
<td>standard</td>
<td>standard</td>
</tr>
<tr>
<td>Tapping tool capacity</td>
<td>optional</td>
<td>optional</td>
</tr>
<tr>
<td>Work chute</td>
<td>525 x 500 mm</td>
<td>525 x 500 mm</td>
</tr>
<tr>
<td>Average power consumption in idle run</td>
<td>0.9 KW</td>
<td>0.9 KW</td>
</tr>
<tr>
<td>Average power consumption in working</td>
<td>6.7 KW</td>
<td>6.7 KW</td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>1.5 Nm³/hr</td>
<td>1.5 Nm³/hr</td>
</tr>
</tbody>
</table>

### AUTOMATION ON PX

<table>
<thead>
<tr>
<th></th>
<th>COMPACT TOWER</th>
<th>COMPACT TOWER</th>
<th>PA1225</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sheet dimensions</td>
<td>1250 x 2500 x 3,5 mm</td>
<td>1524 x 3048 x 3,5 mm</td>
<td>1250 x 2500 x 3,5 mm</td>
</tr>
<tr>
<td>Min. Sheet dimensions</td>
<td>1000 x 1000 x 0,5 mm</td>
<td>1000 x 1000 x 0,5 mm</td>
<td>500 x 1000 x 0,5 mm</td>
</tr>
<tr>
<td>Max. weight on each pallet</td>
<td>2200 kg</td>
<td>3000 kg</td>
<td>2500 kg</td>
</tr>
<tr>
<td>Max. height on each pallet</td>
<td>240 mm</td>
<td>240 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td>Footprint (LxW) including machine and conveyors according CE</td>
<td>11198 x 9963 mm</td>
<td>13090 x 10650 mm</td>
<td>11940 x 8450 mm</td>
</tr>
<tr>
<td>Height of the system CT P 6 pallets</td>
<td>4330 mm</td>
<td>4330 mm</td>
<td>2492 mm</td>
</tr>
<tr>
<td>CT P 10 pallets</td>
<td>5830 mm</td>
<td>5845 mm</td>
<td>2492 mm</td>
</tr>
</tbody>
</table>

### Machine Dimensions

<table>
<thead>
<tr>
<th></th>
<th>STRIPPIT PX-1225</th>
<th>STRIPPIT PX-1530</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>5083 mm</td>
<td>6180 mm</td>
</tr>
<tr>
<td>Width</td>
<td>5465 mm</td>
<td>6009 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2492 mm</td>
<td>2546 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>16.100 kg</td>
<td>17.570 kg</td>
</tr>
</tbody>
</table>

### Automated Tower Dimensions

<table>
<thead>
<tr>
<th></th>
<th>CT-P1225</th>
<th>CT-P1530</th>
<th>PA1225</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sheet dimensions</td>
<td>1250 x 2500 x 3,5 mm</td>
<td>1524 x 3048 x 3,5 mm</td>
<td>1250 x 2500 x 3,5 mm</td>
</tr>
<tr>
<td>Min. Sheet dimensions</td>
<td>1000 x 1000 x 0,5 mm</td>
<td>1000 x 1000 x 0,5 mm</td>
<td>500 x 1000 x 0,5 mm</td>
</tr>
<tr>
<td>Max. weight on each pallet</td>
<td>2200 kg</td>
<td>3000 kg</td>
<td>2500 kg</td>
</tr>
<tr>
<td>Max. height on each pallet</td>
<td>240 mm</td>
<td>240 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td>Footprint (LxW) including machine and conveyors according CE</td>
<td>11198 x 9963 mm</td>
<td>13090 x 10650 mm</td>
<td>11940 x 8450 mm</td>
</tr>
<tr>
<td>Height of the system CT P 6 pallets</td>
<td>4330 mm</td>
<td>4330 mm</td>
<td>2492 mm</td>
</tr>
<tr>
<td>CT P 10 pallets</td>
<td>5830 mm</td>
<td>5845 mm</td>
<td>2492 mm</td>
</tr>
</tbody>
</table>
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. +1 716 542 4511
Fax +1 716 542 5957
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.
Incheon 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