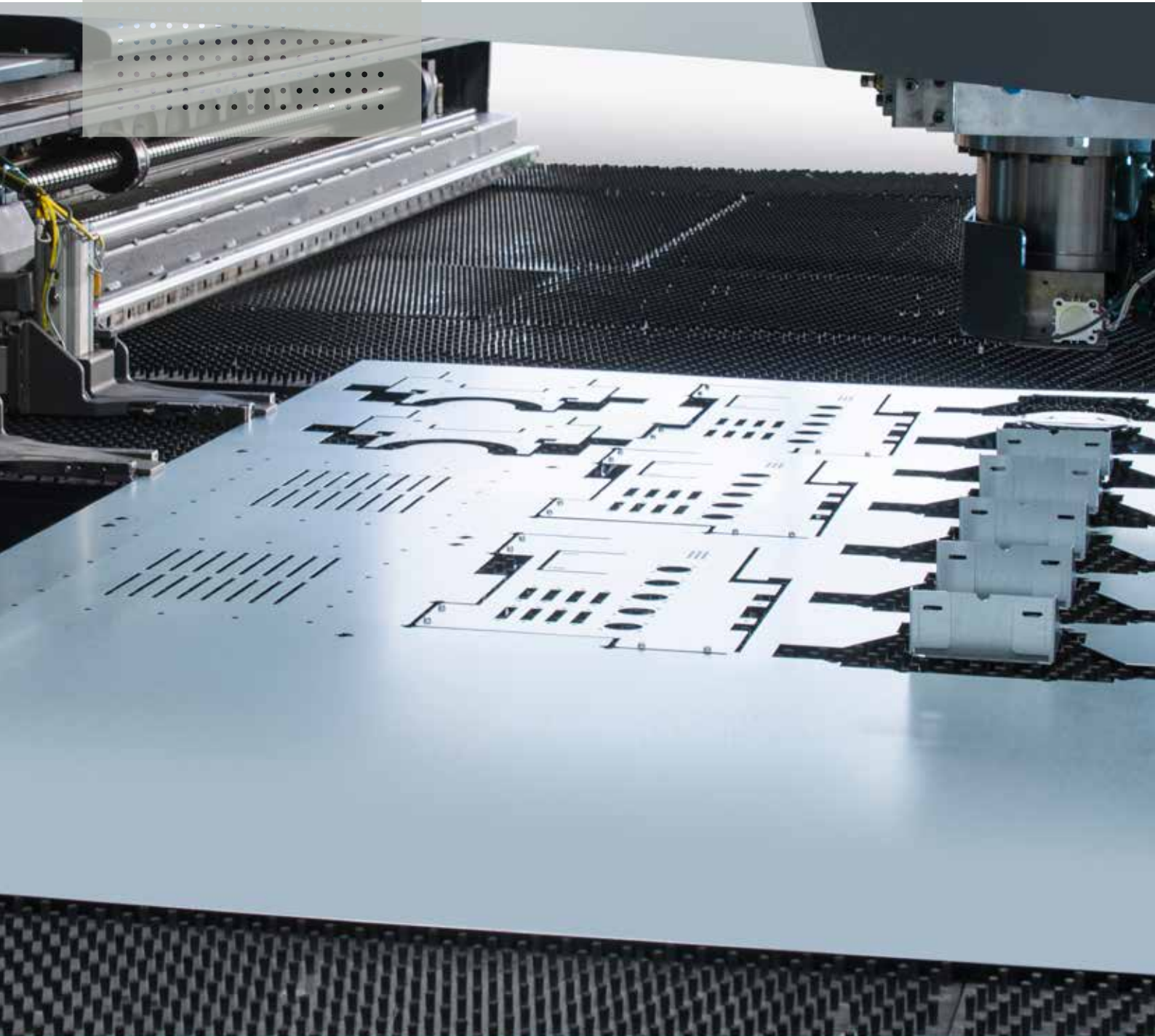


PUNCH PRESSES

FAST AND ACCURATE PUNCHING



WHY CHOOSE AN LVD PUNCH PRESS?

TURRET OR SINGLE HEAD

LVD is one of a few manufacturers to offer both turret and single head technology. This means we objectively evaluate your application to provide the best punching solution.

ADVANCED FUNCTIONS

LVD Strippit has a long history of punching innovation. Our punching equipment features the most advanced technology. The Strippit PX can punch, form, tap and bend all on one machine.



INTUITIVE TOUCH-P CONTROL

The 19" Touch-P control is user-friendly: an operator at any skill level can interact easily with the punch press. Machine set ups are fast and uncomplicated.

AUTOMATION OPTIONS

Automation solutions offer a number of benefits to make the most of your punching productivity. Choose from a range of options, including an automated load/unload unit to a complete warehousing system.



INDUSTRY 4.0-READY

More flexible, cost-effective production is possible by optimising production flow.

Our Industry 4.0-ready machines can help you take advantage of a digital transformation.

INDEXABLE MULTI-TOOL

We engineered the technology for auto indexable tooling stations to maximise punch press capacity. Indexable Multi-Tool provides a capacity of up to 200 tools.



ADVANCED FEATURES

- High-efficiency ram provides full tonnage throughout the complete stroke.
- Energy Reduction System (ERS) reduces the average power consumption to a stand-by of 0.9 kW, minimising energy usage.
- Programmable, relocatable clamps with sheet pull out sensors automate clamp movement between jobs and during a punching cycle.



STRIPPIT PX

ADVANCED PUNCHING AND FORMING

The Strippit PX offers the flexibility to punch, form, bend and tap on a single machine.

The single-head punch press provides the versatility of 20 indexable tool stations able to hold any size tool, up to a maximum tool diameter of 90 mm. Set-up and tool change time is minimised thanks to the circular tool magazine that allows every tool to fully rotate for total flexibility.

The Strippit PX is also able to bend parts up to 90 mm in lengths up to 75 mm high. Knockouts, louvers and countersinks are accurately produced.

KEY FEATURES

360-degree rotation of all tools

Forming and bending up to 75 mm

Up to 200 tool capacity using Indexable Multi-Tools

Extended Tool Magazine (ETM)

Modular automation options



STRIPPIT VX

UNSURPASSED PRODUCTIVITY

Strippit VX machines offer the most flexible turret configurations available.

A large turret capacity - 48 stations - enables the use of a standard turret load.

Large 88,9 mm auto-index stations accept indexable Multi-Tools to increase turret capacity. They provide indexing of any tool at any angle, which increases flexibility and productivity.

KEY FEATURES

High-speed processing

Flexible tool configuration

Expanded tool capacity using indexable Multi-Tools

Programmable, relocatable clamps

Full sheet utilisation

FLEXIBLE AUTOMATION

AUTOMATED LOAD/UNLOAD SYSTEM



Flexible Automation (FA-P) offers advanced load/unload, part picking and a large area for stacking punched parts directly onto the allocated pallet.

The automation system can load a maximum sheet size of 1525 x 3050 mm and unload punched parts from a minimum size of 200 x 100 mm.

In a stacking area of 8 m² the Touch-A control picks and sorts on pallets. The controller can start with partially filled pallets from previous jobs.

Available on Strippit PX and VX

EXTENDED TOOL MAGAZINE

An Extended Tool Magazine (ETM) allows the punch press to load or unload tools during machine operation, maximising uptime. The ETM can hold up to 40

additional tools housed in a wheel configuration for easy access and good visibility. Tool changes are efficiently managed by the Touch-P control.

Available for PX machines, and can be combined with an FA-P or CT-P system



COMPACT TOWER

STORAGE AND RETRIEVAL TOWER

The Compact Tower (CT-P) is a cost-effective tower for loading, unloading and storage of raw materials and finished parts. It is offered with a 6- or 10-pallet configuration.

The system handles 3050 x 1525 x 3,5 mm sheets with a pallet storage capacity of 3000 kg.

The CT-P unit is designed for compact set up and convenient forklift manipulation.

The CT-P system creates a productive and flexible manufacturing cell that is capable of operating 24/7.

Available on Strippit PX, VX, V, E and M



LOAD / UNLOAD SYSTEM

The compact, space-saving PA automated load/unload system makes the punching operation more cost effective.

Two configurations are available on PX, VX, V, E and M





STRIPPIT V

HIGH-TONNAGE CAPACITY

Strippit V punch presses handle high-tonnage, high-production needs.

These full-featured machines have a versatile 48-station turret, full sheet utilisation and heavy sheet carrying capacity, and four programmable 88,9 mm auto index stations.

The press drive system ensures the best power efficiency for higher tonnage applications. Modular automation options add even more capacity and flexibility.

KEY FEATURES

30-tons of punching force

Fully indexable tools

Programmable parts removal chute

Programmable, relocatable workclamps



STRIPPIT M

EFFICIENT PUNCHING

Engineered for superior accuracy and long production life, Strippit M punch presses are built on a heavy-duty frame with advanced table positioning.

They offer a large turret capacity including three 88,9 mm auto-indexing stations capable of accepting a variety of indexable Multi-Tool, tapping and wheel tools.

KEY FEATURES

Large, 47-station turret configuration

High flexibility

Sophisticated table guiding system

Enhanced forming capabilities



STRIPPIT E

SERVO-ELECTRIC PUNCH PRESS

The Strippit E servo-electric drive punch press offers high energy efficiency and excellent repeatable accuracy for punching and forming operations. The simple, streamlined press drive-design keeps operation and maintenance costs low and helps ensure reliable performance.

The machine features a large 47-station turret with three 88.9 mm auto-index stations for more tooling flexibility.

Strippit E machines offer the easiest tool changeover in the industry. Quick-change die holders reduce setup time.

KEY FEATURES

Advanced servo-electric press drive

Large, 47-station turret configuration

Programmable, relocatable workclamps

Energy efficient



STRIPPIT P

A COST-EFFECTIVE SOLUTION

Strippit P CNC punch presses are ideal for shorter production runs, cellular manufacturing and prototypes.

The machine features a flexible 33-station turret. Three 50.8 mm auto-index stations are standard. These programmable stations allow shapes to be punched at any angle.

Strippit P Series punch presses feature an integrated Fanuc control, which gives the operator flexibility to edit, input or output programs during machine operation.

KEY FEATURES

33-station turret configuration

Ideal for short production runs

Fast die change system

Wheel and tapping tool compatible

SPECIFICATIONS

| | P | E | M | V | VX | PX |
|-------------------------------------|--|---|--|--|--|--|
| | P-1212 P-1225 P-1525 | E-1225 E-1530 | M-1225 M-1525 | V30-1225 V30-1530 | VX-1225 VX-1530 | PX-1225 PX-1530 |
| PUNCHING SPECIFICATIONS | | | | | | |
| Max. punching capacity | 200 kN | 200 kN | 200 kN | 300 kN | 200 kN | 200 kN |
| Max. material thickness | 6.35 mm | 6.35 mm | 6.35 mm | 6.35 mm | 6.35 mm | 6.35 mm |
| Punching accuracy | ± 0.1 mm | ± 0.1 mm | ± 0.1 mm | ± 0.1 mm | ± 0.1 mm | ± 0.1 mm |
| Repetitive accuracy | ± 0.05 mm | ± 0.05 mm | ± 0.05 mm | ± 0.05 mm | ± 0.05 mm | ± 0.05 mm |
| MAX. HIT RATE ⁽¹⁾ | | | | | | |
| 1 mm pitch | 650 HPM | 500 HPM | 850 HPM | 900 HPM | 920 HPM | 910 HPM |
| 25.4 mm pitch | 300 HPM (P-1212) 270 HPM | 350 HPM | 400 HPM | 440 HPM | 530 HPM 515 HPM | 505 HPM |
| Marking | - | - | 1700 HPM | 1750 HPM | 1750 HPM | 1650 HPM |
| Feed clearance | 25 mm | 25 mm | 25 mm | 25 mm | 25 mm | 80 mm |
| Nominal sheet size | 1250 x 1250 mm 1250 x 2500 mm 1524 x 2500 mm | 1250 x 1250 mm 1524 x 3048 mm | 1250 x 2500 (4000) mm 1524 x 2500 (4000) mm | 1250 x 2500 (4000) mm 1524 x 3048 (5000) mm | 1250 x 2500 (4000) mm 1524 x 3048 (5000) mm | 1250 x 2500 (4000) mm 1524 x 3048 (5000) mm |
| TABLE TYPE CAPACITIES | | | | | | |
| Brush table ⁽²⁾ | up to 73 kg (P-1212) up to 79 kg | up to 150 kg up to 165 kg ⁽³⁾ | up to 110 kg | up to 150 kg | up to 150 kg | up to 150 kg |
| Combo ball/brush | - x x | - - | x x | x x | - - | - - |
| Work chute | - | - | - | 450 x 500 mm | 450 x 500 mm | 525 x 500 mm |
| Work clamps | 2 (P-1212) 2 (optional 3rd clamp) | 3 CNC relocatable with part pull out sensors (optional for E-1225) | 2 (optional 3rd clamp) | 3 CNC automatic, with part pull out sensors | | |
| TURRET - MAGAZINE | | | | | | |
| Turret configuration | 33 stations | 47 stations | 47 stations | 48 stations | 48 stations | 20 stations - T style |
| Auto-index stations | 3 'C' - Ø 50.8 mm | 3 'D' - Ø 88.9 mm | 3 'D' - Ø 88.9 mm | 4 'D' - Ø 88.9 mm | 4 'D' - Ø 88.9 mm | 20 stations till Ø 90 mm |
| Max. tool capacity ⁽⁴⁾ | 33 | 68 | 68 | 76 | 76 | 200 |
| Wheel Tool capacity | x | x | x | x | x | x |
| Tapping Tool capacity | x | x | x | x | x | x |
| Indexable Multi-Tool capacity | - | x | x | x | x | x |
| Angular positioning accuracy | ± 0.05 degrees | ± 0.05 degrees | ± 0.05 degrees | ± 0.05 degrees | ± 0.05 degrees | ± 0.05 degrees |
| Controller | Fanuc OiPD | Touch-P | Touch-P | Touch-P | Touch-P | Touch-P |
| Combined travel speed X-Y | 82 m/min. | 128 m/min. 110 m/min. | 96 m/min. | 128 m/min. 110 m/min. | 161 m/min. 130 m/min. | 161 m/min. 130 m/min. |
| Tool change time | 1 sec. | 0.9 sec. | 0.8 sec. | 0.8 sec. | 0.8 sec. | 1 to 5 sec. |
| ELECTRICAL POWER | | | | | | |
| Average power consumption | 6.6 kW | 5.5 kW | 6.7 kW | 6.7 kW | 6.7 kW | 6.7 kW |
| Standby operation | 3.0 kW | 0.9 kW | 0.9 kW | 0.9 kW | 0.9 kW | 0.9 kW |
| AUTOMATION OPTIONS | | | | | | |
| Automatic load/unload (PA) | - | x | x | x | x | x |
| Compact Tower (CT-P) | - | x | x | x | x | x |
| Flexible Automation (FA-P) | - | x | - | - | x | x |
| Bin sort | - | x | - | x | x | x |
| Robot pick/sort | - | - | x | x | x | x |
| Warehouse connectivity | - | - | - | x | x | x |
| Extended Tool Magazine (ETM) | - | - | - | - | - | x |
| Tool lubrication system | x | x | x | x | x | - |
| Sheet lubrication system | - | - | - | - | - | x |

⁽¹⁾ at 2 mm working stroke = material thickness + tip recess + die penetration / ⁽²⁾ at reduced speed / ⁽³⁾ stainless combo tables with adjacent brush / ⁽⁴⁾ with Multi-Tool - Specifications subject to change without prior notice.

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