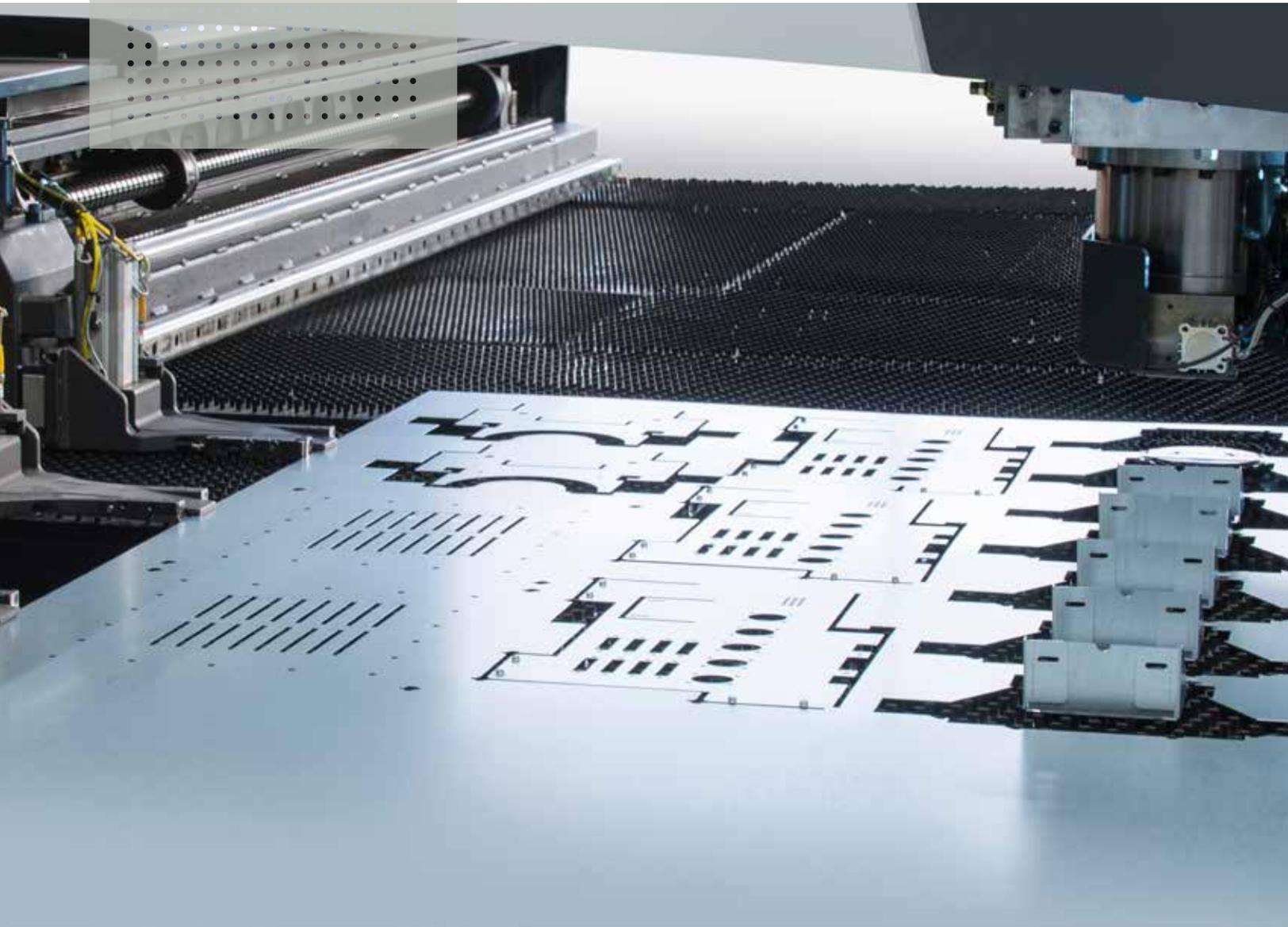# PUNCH
PRESSES

FAST AND ACCURATE PUNCHING

LVD®
STRIPPIT

WHY CHOOSE AN LVD PUNCH PRESS?

TURRET OR SINGLE HEAD

LVD Strippit 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 optimizing 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 maximize 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, minimizing energy usage.
- Programmable, relocatable clamps with sheet pull out sensors automate clamp movement between jobs and during punching cycles.

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 3.543" (90 mm). Set-up and tool change time is minimized 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 3.543" (90 mm) in lengths up to 3" (75 mm) high. Knockouts, louvers and countersinks are accurately produced.

KEY FEATURES

360-degree rotation of all tools

Forming and bending up to 3" (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 3.5" (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 utilization

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 60" x 120" (3050 x 1525 mm) and unload punched parts from a minimum size of 7.8" x 3.9" (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, maximizing 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

Key automation benefits

- Maximum productivity and reliable production
- Continuous production
- Fully automatic loading and unloading during punching
- Easy to use, intuitive 19" touch screen control Touch-A
- High flexibility to process a variety of material types and thicknesses

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 60" x 120" (1525 x 3050 mm) x 0.137" (3.5 mm) sheets with a pallet storage capacity of 6,600 pounds (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, M and VT

LOAD / UNLOAD SYSTEM

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

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

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 utilization and heavy sheet carrying capacity, and four programmable 3.5" (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 3.5" (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 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 2" (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.

STRIPPIT ST

PRODUCTIVE & FLEXIBLE

Strippit ST thin turret punch presses can handle short to long production runs, punching and forming applications, and are equipped with features that add up to higher productivity. A stress-relieved bridge frame and widespread axis bearing system provide exceptional accuracy and superior reliability.

KEY FEATURES

20-tons of punching force

Flexible 29-station thin turret

Expanded tool capacity using indexable Multi-Tools

Productivity-enhancing options

STRIPPIT VT

PERFORMANCE WITH RELIABILITY

The Strippit VT machine delivers 30 tons of punching force and high hit rates. Programmable, direct-drive auto-index stations allow the punching of shapes at any angle to reduce setup time and increase tooling flexibility. The servo-controlled high-performance hydraulic press drive features fully programmable stroke profiles for high productivity.

KEY FEATURES

40-station thin turret

Large auto-indexing stations

Quick-change die holders

Automatic load/unload option

SPECIFICATIONS

	P	M	V	VX
	P-1212 P-1225 P-1525	M-1212 M-1225 M-1525	V30-1225 V30-1530	VX-1225 VX-1530
PUNCHING SPECIFICATIONS				
Max. punching capacity	20 metric tons	20 metric tons	30 metric tons	20 metric tons
Max. material thickness	0.250" (6.35 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)
Punching accuracy	± .004" (0.1 mm)	± .004" (0.1 mm)	± .004" (0.1 mm)	± .004" (0.1 mm)
Repetitive accuracy	± .002" (0.05 mm)	± .002" (0.05 mm)	± .002" (0.05 mm)	± .002" (0.05 mm)
MAX. HIT RATE AT 2 MM WORKING STROKE [1]				
1 mm pitch	650 HPM	850 HPM	1000 HPM	920 HPM
25.4 mm pitch	300 HPM	400 HPM	440 HPM	530 HPM
Marking	-	1700 HPM	1750 HPM	1750 HPM
Feed clearance	.984" (25 mm)	.984" (25 mm)	.984" (25 mm)	.984" (25 mm)
Nominal worksheet size	49.2" x 49.2" 49.2" x 98.4" 60" x 98.4"	49.2" x 49.2" 49.2" x 98.4" 60" x 98.4"	49.2" x 98.4" 60" x 120"	49.2" x 98.4" 60" x 120"
TABLE TYPE CAPACITIES				
Brush table [2]	up to 174 lbs.	up to 243 kg	up to 243 lbs.	up to 330 lbs.
Combo ball/brush	-	-	-	-
Work chute	-	-	17.7" x 19.7" (450 x 500 mm)	17.7" x 19.7" (450 x 500 mm)
Work clamps	2 (optional 3rd clamp)	2 (optional 3rd clamp)	3 CNC relocatable with part pull out sensor	3 CNC relocatable with part pull out sensor
TURRET - MAGAZINE				
Turret configuration	33 stations	47 stations	48 stations	48 stations
Auto-index stations	3 'C' – 2" (50.8 mm)	3 'D' - 3.5" (88.9 mm)	4 'D' - 3.5" (88.9 mm)	4 'D' - 3.5" (88.9 mm)
Max. tool capacity [3]	33	68	76	76
Wheel Tool capacity	x	x	x	x
Tapping Tool capacity	x	x	x	x
Indexable Multi-Tool capacity	-	x	x	x
Angular positioning accuracy	± 0.05 degrees	± 0.05 degrees	± 0.05 degrees	± 0.05 degrees
Controller	Fanuc OiPD	Touch-P	Touch-P	Touch-P
Combined positioning speed X-Y	82 m/min.	104 m/min.	128 m/min.	161 m/min.
Tool change time	1 sec.	0.8 sec.	0.8 sec.	0.8 sec.
ELECTRICAL POWER CONSUMPTION				
Average power consumption	6.6 kW	6.7 kW	6.7 kW	6.7 kW
Standby operation	3.0 kW	0.9 kW	0.9 kW	0.9 kW
Lubrication system	-	x	x	x
AUTOMATION OPTIONS				
Automatic load/unload (PA)	-	x	x	x
Compact Tower (CT-P)	-	x	x	x
Flexible Automation (FA-P)	-	-	-	x
Bin sort	-	-	x	x
Robot pick/sort	-	x	x	x
Warehouse connectivity	-	-	x	x
Extended Tool Magazine (ETM)	-	-	-	-

[1] material thickness + tip recess + die penetration / [2] at reduced speed / [3] with Multi-Tool.
Specifications subject to change without prior notice.

SPECIFICATIONS

	PX	ST	VT
	PX-1225 **PX-1530**	**ST-1212** **ST-1225**	**VT-1525**
PUNCHING SPECIFICATIONS			
Max. punching capacity	20 metric tons	20 metric tons	30 metric tons
Max. material thickness	0.250" (6.35 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)
Punching accuracy	± .004" (0.1 mm)	± .004" (0.1 mm)	± .004" (0.1 mm)
Repetitive accuracy	± .002" (0.05 mm)	± .002" (0.05 mm)	± .002" (0.05 mm)
MAX. HIT RATE AT 2 MM WORKING STROKE [1]			
1 mm pitch	910 HPM	900 HPM	1000 HPM
25.4 mm pitch	505 HPM	360 HPM	440 HPM
Marking	1650 HPM	1700 HPM	1700 HPM
Feed clearance	3.150" (80 mm)	0.827" (21 mm)	0.827" (21 mm)
Nominal worksheet size	49.2" x 98.4" 60" x 120"	49.2" x 49.2" 49.2" x 98.4"	60" x 98.4"
TABLE TYPE CAPACITIES			
Brush table [2]	up to 330 lbs.	up to 136 lbs.	up to 187 lbs.
Combo ball/brush	-	-	-
Work chute	19.7" x 20.7" (525 x 500 mm)	-	-
Work clamps	3 CNC relocatable with part pull out sensor	2 (optional 3rd clamp)	3 CNC relocatable with part pull out sensor
TURRETS - MAGAZINE			
Turret configuration	20 stations – T style	29 stations – Thin	40 stations - Thin
Auto-index stations	20 stations till 3.54" (90 mm)	3 'D' - 3.5" (88.9 mm)	4 'D' - 3.5" (88.9 mm)
Max. tool capacity [3]	200		
Wheel Tool capacity	x	x	x
Tapping Tool capacity	x	x	x
Indexable Multi-Tool capacity	x	x	x
Angular positioning accuracy	± 0.05 degrees	± 0.05 degrees	± 0.05 degrees
Controller	Touch-P	Fanuc 0iPD	Fanuc 0iPD
Combined positioning speed X-Y	130 m/min.	161 m/min.	130 m/min.
Tool change time	1 to 5 sec.	1.1 sec.	0.7 sec.
ELECTRICAL POWER CONSUMPTION			
Average power consumption	6.7 kW	6.7 kW	6.7 kW
Standby operation	0.9 kW	0.9 kW	0.9 kW
Lubrication system	x	-	-
AUTOMATION OPTIONS			
Automatic load/unload (PA)	x	x	x
Compact Tower (CT-P)	x	x	x
Flexible Automation (FA-P)	x	-	-
Bin sort	x	-	-
Robot pick/sort	x	-	-
Warehouse connectivity	x	-	-
Extended Tool Magazine (ETM)	x	-	-

[1] material thickness + tip recess + die penetration / [2] at reduced speed / [3] with Multi-Tool.

Specifications subject to change without prior notice.

SERVICE
OUR EXPERTISE
IN-HOUSE "KNOW-HOW" WORKING FOR YOU

Our goal is to provide the highest quality of service and support to keep your fabrication operation productive and profitable. The LVD customer service team is comprised of more than 180 skilled field service engineers in more than 45 countries. They have installed more than 40,000 machines and log more than 5500 hours of training every year.

In the U.S., our strategically located support centers provide strong support at the local level.

LVD Strippit ensures that customers get the very best from our machinery and software solutions.

Full service support

- Spare parts
- In-house machine and software training
- Technical consultation and assistance
- Service (installations, upgrades, repairs)
- Maintenance and inspection
- Specialized technical assistance

SOFTWARE INTEGRATION

LVD's database-driven CADMAN® suite software integrates sheet metalworking processes, production control, communication and management. It provides users real-time data to make informed choices, enabling optimized programming and maximized throughput in the workshop.

CADMAN-JOB

CADMAN-JOB connects the front office intakes and processing of orders with the shop floor operations. The software creates or imports production orders from an ERP system allowing users to generate production jobs for bending.

CADMAN-P

Powerful software to program all your parts from the simplest single part right up to a full batch order of complex parts. CADMAN-P offers many automated processes such as punch sequencing macros, automatic tool selection, clamp positioning and others to maximize your machine's output with ease.

CADMAN-SDI

The Smart Drawing Importer allows fast CAD file import. CADMAN-SDI converts the file to OSM and stores it in the central database. All cost drivers are displayed and can be exported for making an accurate cost estimate.
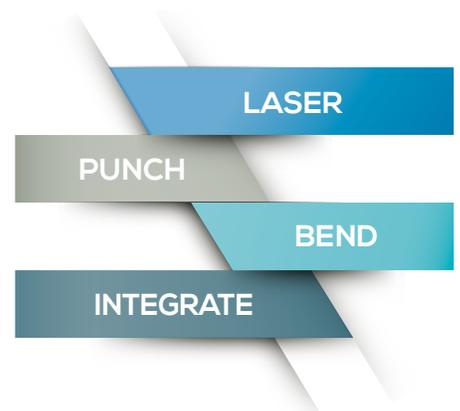
Control

The 19" Touch-P control is user-friendly: operators of all skill levels can interact easily with the punch press. Machine set ups are fast and uncomplicated.

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

Touch-i4

Touch-i4 is an industrial-grade Windows®-based tablet that provides an overview of the entire fabrication workshop. It collects real-time information from your LVD machine(s) powered by the centralized CADMAN database.

LASER

PUNCH

BEND

INTEGRATE

LVD®
STRIPPIT