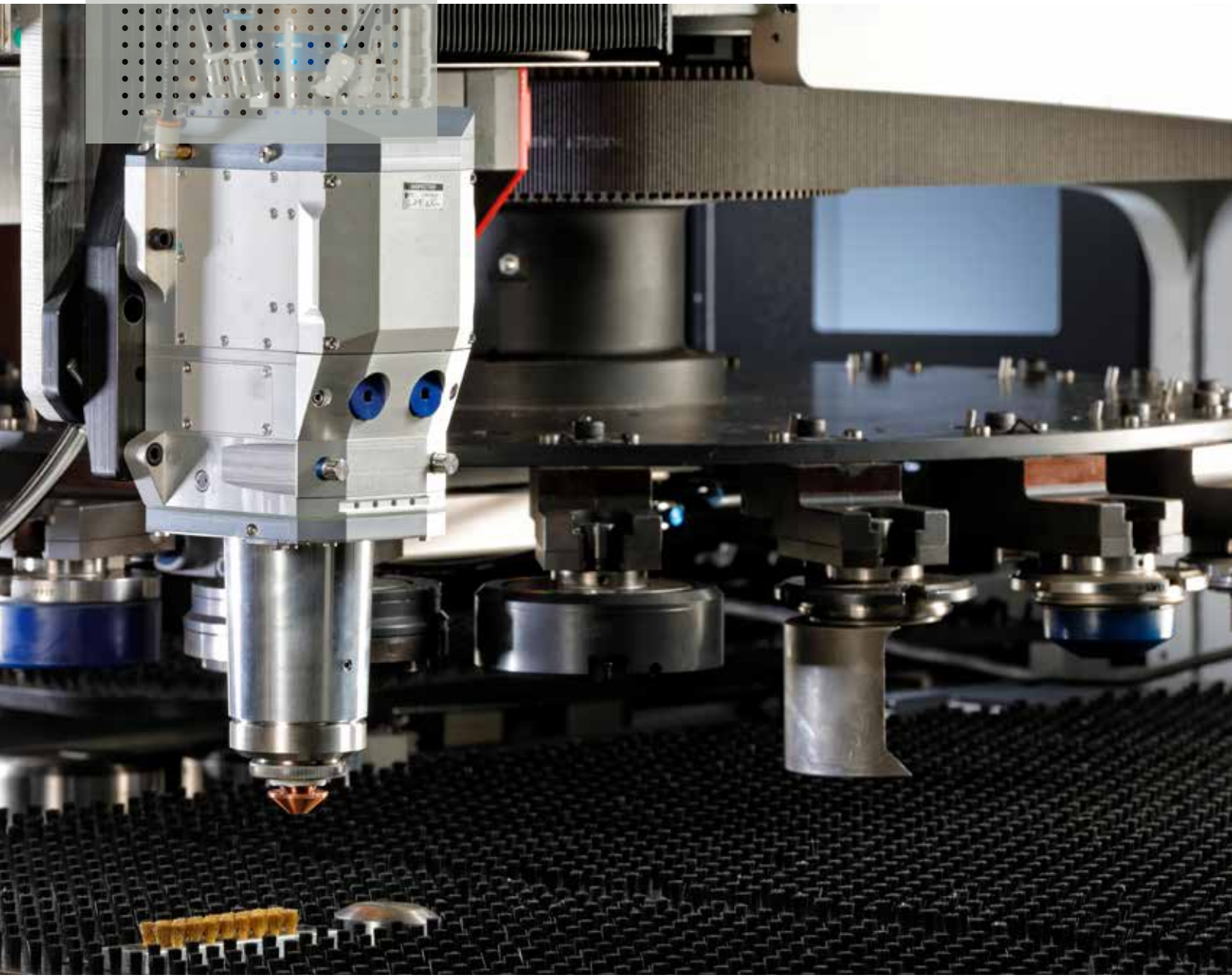
*Punch – laser combination machine*

# STRIPPIT PL

ONE MACHINE, TWO TECHNOLOGIES



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# STRIPPIT PL

## COMPLETE PART PROCESSING

**The Strippit PL combines high-accuracy punching with the speed and versatility of fiber laser cutting for complete part processing on one machine. The combination of technologies eliminates processes, reduces production time and material handling, providing high quality parts.**


### TECHNOLOGY PIONEER

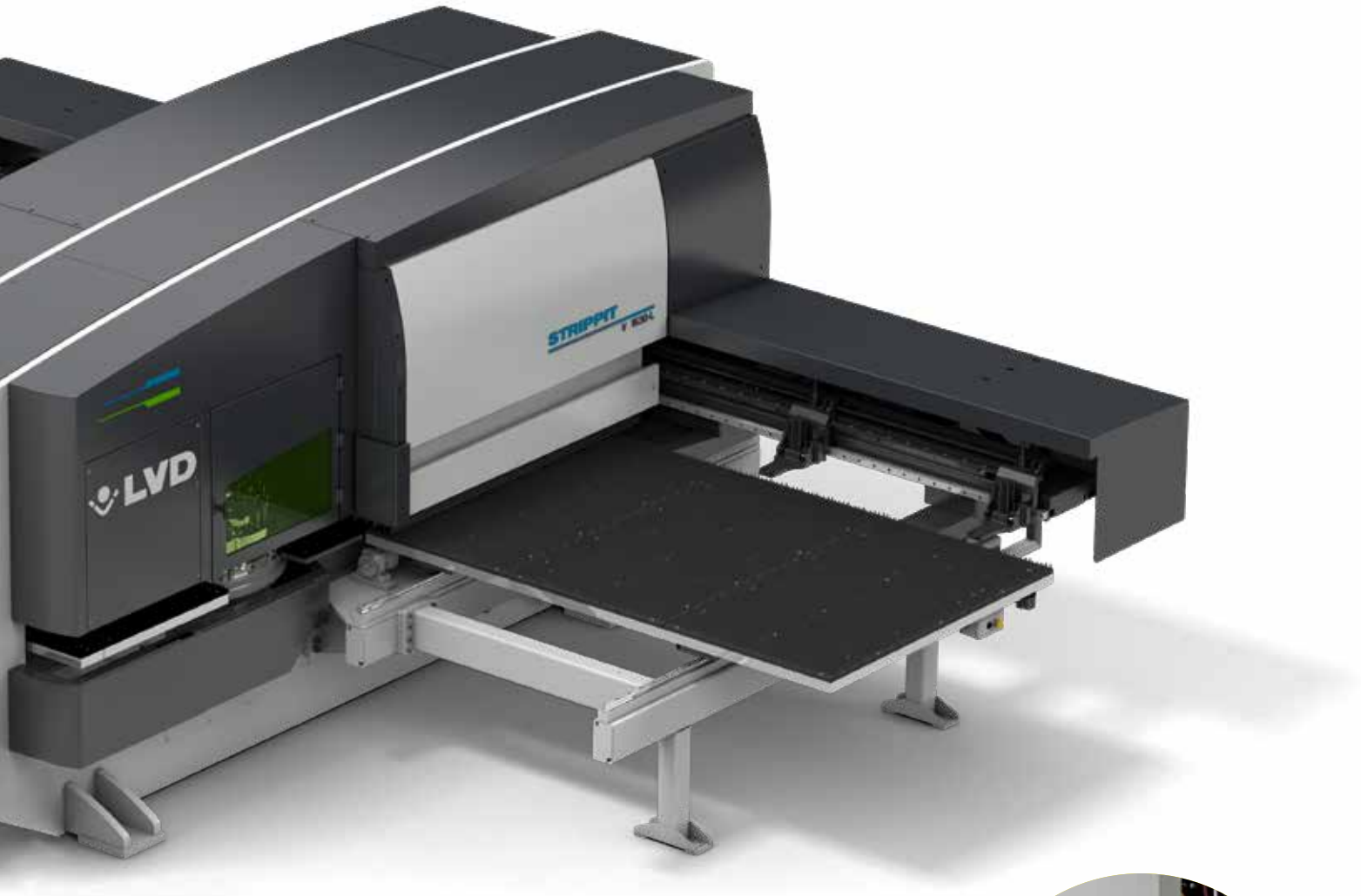
Strippit introduced punch-laser technology to the industry in 1978 and has refined it for today's manufacturing demands. Strippit PL is the next generation of combination machine – a punch, laser, form, bend and tapping center more flexible than ever because of technology advances.

### VERSATILE PUNCH PRESS

Offered in single-head or thin- and thick-turret styles, 20- or 30-ton configurations, the Strippit PL provides a versatile mix of tool stations – fully indexable to enhance capacity and reduce set-up time.


### EFFICIENT FIBER LASER

The solid-state fiber laser offers high cutting speed and high wall plug efficiency. It delivers maximum cutting performance and 99.9% reliability.




## FULL SHEET PROCESSING

Cut and punch a full-size workpiece without the need to reposition.

## EASY-TO-USE CONTROL

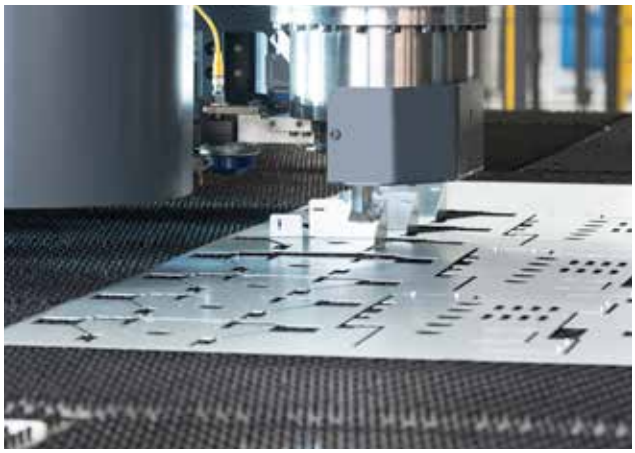
The latest LVD Touch interface is easy to operate for any level of user.

## COMBINATION ADVANTAGES

Performing multiple processes on one machine with one worksheet clamping (no repositioning) means less set up time, fewer or no secondary operations and improved part quality, which results in shorter lead times and reduced operating costs.

# PUNCHING PRODUCTIVITY

**For batch runs and producing formed parts, the cost-per-part efficiency and productivity of the modern punch press can't be matched.**



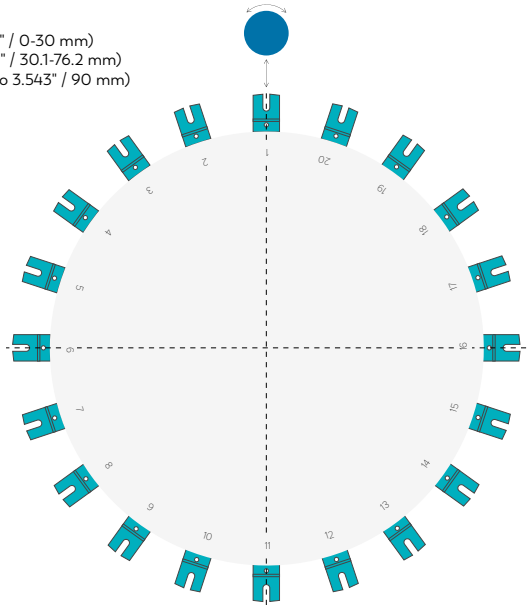
## ADVANCED PUNCHING, FORMING AND BENDING

The Strippit PX 1530-L can punch, form, bend and tap, forming flanges up to 3" (75 mm) high, as well as countersinking, wheeling and scribing. This single-head punch press has 20 indexable tool stations and holds tools as large as 3.543" (90 mm) in diameter.

## SCRATCH-FREE PROCESSING

The retractable die used on the Strippit PX 1530-L ensures scratch-free punching and forming.

**T-style**
Size 1 Ø (0-1.1" / 0-30 mm)
Size 2 Ø (1.1-3" / 30.1-76.2 mm)
Size 3 Ø (up to 3.543" / 90 mm)

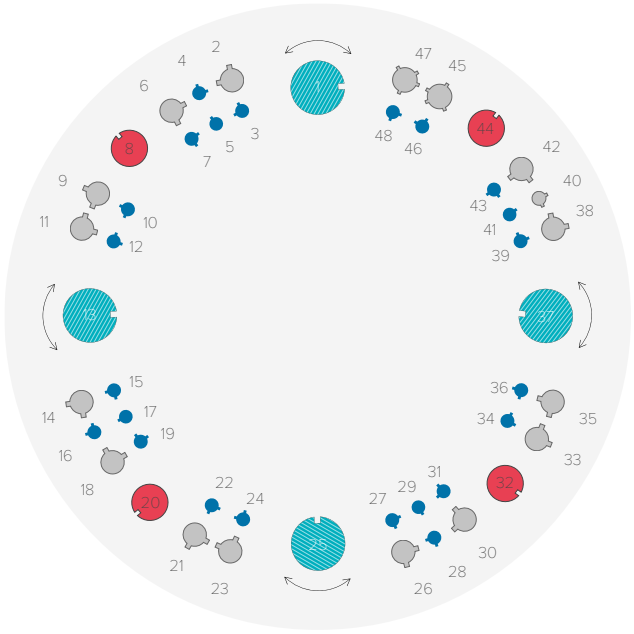


## ALL-TOOL ROTATION

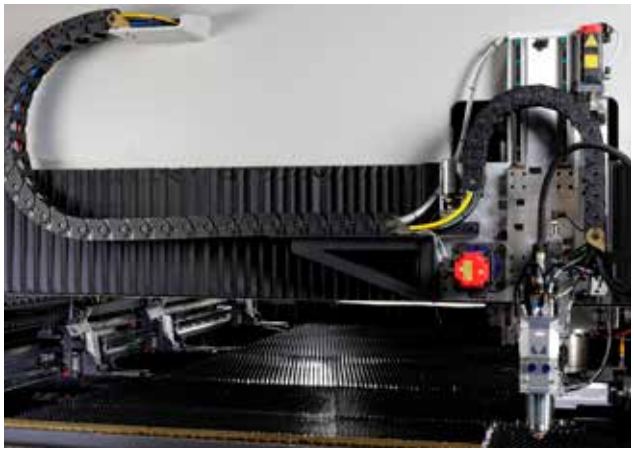
Set up and tool change time is minimized with the single-head punch press which features a circular tool magazine that allows every tool to rotate 360 degrees.

## HIGH-TONNAGE CAPACITY

For high-production needs, the 48-station Strippit V 1530-L delivers 30 tons of punching force and features four large, programmable 3.5" (88.9 mm) auto-index stations. The Strippit VT-L offers a thin turret configuration with 40 stations. Turret capacity can be further expanded with the use of indexable multi-tools.




A station - Ø 0.5" (12.7 mm)
B station - Ø 1.25" (31.7 mm)
C station - Ø 2" (50.8 mm)
D index station - Ø 3.5" (88.9 mm)



## DYNAMIC STABILITY

The machine's X-axis moves across the frame while the Y-axis table moves along the length of the frame driven by two ball screws for dynamic stability. The rack and pinion drive system eliminates backlash and ensures accurate positioning.

## ENERGY-EFFICIENT DESIGN

All Strippit PL models are equipped with an Energy Reduction System (ERS) to minimize power consumption.

# LASER CUTTING FLEXIBILITY

**Cut high-quality outer contours and unlimited shapes with the fiber laser.**

## LEADING-EDGE CUTTING HEAD

The Strippit PL is equipped with an auto-focus cutting head with crash protection. The cutting head automatically adjusts the focal point to the desired position and beam diameter to achieve the best possible cutting results from simple to complex forming profiles.

## LASER & CONTROL PACKAGE

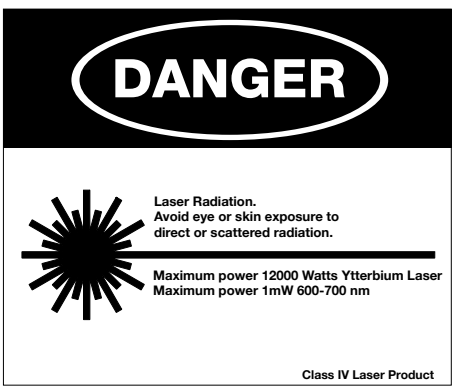
The 4 kW fiber laser can handle a full gamut of cutting applications. The integrated control and laser drive system delivers high-efficiency operation and top reliability.

## BUILT FOR STABILITY

The laser head is mounted on the frame and rides along its own Y-axis by a rack and pinion drive system. When not in use, the laser head is parked up and out of the way, protected by the machine frame.

## LARGE PART CHUTE

A large 15.9" x 60" (400 x 1500 mm) parts chute pivots to gently slide laser cut parts or scrap into a bin or opens to drop or release parts from a skeleton.





MOVIT

## MOVIT AUTOMATION

**MOVit automation options make maximum productivity and process reliability possible.**

- Compact Autoload is a single storage unit, handles 60" x 120" (1525 x 3050 mm) sheets with material thicknesses up to 0.157" (4 mm) and capacity of 6,600 pounds.
- Compact Tower (CT-P) is a material storage and retrieval tower with 6 or 10 pallets. It handles sheets up to 60" x 120" (1525 x 3050 mm) with material thicknesses up to 0.157" (4 mm) and has a storage capacity of 6,600 pounds per shelf.
- Flexible Automation (FA-P) for PX models is an advanced load/unload and part picking system with a large stacking area. It handles sheets up to 60" x 120" (1525 x 3050 mm) and material thicknesses up to 0.157" (4 mm).
- Tower Automation System (TAS) offers a single or double tower storage system that can be integrated with up to two machines.
- Warehouse Automation System (WAS) provides a minimum of three towers and a custom number of towers in single or double rows. The system can be connected to multiple machines using integrated load/unload devices. WAS allows for full lights-out production as finished sheets are returned to available storage.

# SPECIFICATIONS

| | PX 1530-L | V/VT 1530-L |
|---|---|---|
| **FOOTPRINT** | | |
| Width | 330" (8393 mm) | 330" (8393 mm) |
| Depth | 348" (8838 mm) | 347" (8838 mm) |
| Height | 99" (2513 mm) | 99" (2513 mm) |
| **MAX. HIT RATE AT 4 MM WORKING STROKE [1]** | | |
| Punching 1,0 mm pitch | 910 HPM | 910 HPM |
| Punching 25,4 mm pitch | 440 HPM | 440 HPM |
| Marking | 1750 SPM | 1750 SPM |
| **WORKING RANGE** | | |
| Nominal worksheet size | 120" x 60" (3050 x 1550 mm) | 120" x 60" (3050 x 1550 mm) |
| Max. sheet thickness | 0.25" (6.5 mm) | 0.25" (6.5 mm) |
| Max. workpiece weight | 330 lbs. (150 kg) | 330 lbs. (150 kg) |
| Max. punching capacity | 20 metric tons | 30 metric tons |
| Brush table | x | x |
| Programmable work clamps | x | x |
| Controller | Touch PL | Touch PL |
| Combined positioning speed X-Y | 128 m/min | 128 m/min |
| Punch and laser work chute | 15.9" x 60" (400 x 1500 mm) | 15.9" x 60" (400 x 1500 mm) |
| **TOOLING** | | |
| Configuration | T Style | Thick / Thin |
| Tool change time | 3 to 6.5 s | 0.9 to 2.1 s |
| Tool configuration | 20 stations | 48 stations / 40 stations |
| Auto-index stations | 20 / 200 | 4 / 76 |
| Wheel tool capacity | x | x |
| Tapping tool capacity | x | x |
| Indexable Multi-Tool capacity | x | x |
| **AUTOMATION OPTIONS** | **FLEXIBLE AUTOMATION (FA-P)** | **COMPACT TOWER (CT-P)** |
| Max. sheet capacity | 60" x 120" (1525 x 3050 mm) | 60" x 120" (1525 x 3050 mm) |
| Min. sheet dimensions | 19.6" x 39" (500 x 1000 mm) | 39" x 39" (1000 x 1000 mm |
| Max. weight/pallet | 6600 lbs. (3000 kg) | 6600 lbs. (3000 kg) |
| Max. height/pallet | 9.5" (240 mm) | 6" (160 mm) |
| Footprint (L x W) | ± 20 x 10.5 M | ± 17 x 10.5 M |
| **LASER SPECIFICATIONS - 4 KW FIBER** | | |
| Maximum laser power | 4000 W | 4000 W |
| Maximum thickness mild steel | 3/8" (10 mm) | 3/8" (10 mm) |
| Maximum thickness aluminum | 3/8" (10 mm) | 3/8" (10 mm) |
| Maximum thickness stainless steel | 3/8" (10 mm) | 3/8" (10 mm) |
| **CONSUMPTION VALUES** | | |
| Average power input in production 4 kW | 23.7 kW | 23.7 kW |
| Automatic shutdown active in standby | 0.9 kW | 0.9 kW |

[1] material thickness + tip recess + die penetration - Specifications subject to change without prior notice.

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*LVD North America is the trade name of the Sales & Service division of Strippit, Inc.*

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