

# Multi-Functional Zünd Cutter for Patterns

For more than two decades, Zünd has been setting the pace in the development and manufacturing of multifunctional flatbed cutting systems for the footwear-industry

More than 12,000 cutters “made in Switzerland” are in operation all over the world – many of them are producing around the clock. Superior speed and acceleration, intelligent tool control, the ability to change cutting parameters any time during cutting, optional material handling and workflow automation are all among the reasons why Zünd is by far the most productive cutting system for patterns/templates available.

## Typical benefits include

- increase in productivity at lower cost
- elimination of die costs and die production time
- consistent high quality and accuracy
- optimal material usage, minimal waste
- reduced setup time, increased planning and production flexibility
- freedom of design, enhanced material and size options



a wide range of tool inserts allow cutting of various pattern materials such as cardboard, PVC, pressed wood, sandwich material etc.

## Tool inserts



**Tangential tool**



**150W router**



**C2-P toolhead**

Cutting- and plotting head (for paper and cardboard up to approx. 300gr/m<sup>2</sup>)



**Tz-P toolhead**

Cutting head with Z-axis controlled tangential module and pen module (for cardboard and PVC-templates)



**Tz-R45-P toolhead**

Cutting and milling head with Z-axis controlled tangential module. With 150W or 450W milling spindle (for PVC, acrylic, wood, etc.)

## With Zünd you always make the cut

superior cutting and routing quality at unsurpassed productivity

efficient and flexible with intelligent tool management

sturdy, compact, high-tech design

upgradeable, adaptable, exchangeable

wide range of high-quality knives/blades and router bits

unrivalled price-performance ratio and return on investment

highest-quality Swiss engineering and construction

worldwide service & support organisation

## Technical Data

rugged, welded construction (frame and side-support version)

slip-free steel band drive (patented) with hardened and ground linear guides for superb quality and high precision

all axes with highly dynamic DC-motor drives

knife and service friendly acrylic table top

material hold-down with stepless vacuum system

light-barriers with integrated self test to control the working area

Repeatability	+/- 0.02 mm / 0.0008 in. (2XL/3XL-3000 +/- 0,03 mm / 0.0012 in.)
Resolution of measuring system	0.005 mm / 0.0002 in.
Addressable resolution	0.01 mm / 0.0004 in.
Speed	1–1000 mm/s / 0.04–39 in./s max. speed depending on cutter size and tool head
Acceleration	max. 10 m/s <sup>2</sup> / 400 in./s, 1G, depending on cutter size and tool head
Max. material thickness	standard up to 30 mm (1.18 in.) optional 60 mm (2.36 in.)
Interface	RS232C / V24, 600...38400 Baud; input buffer 1MB with replot function
Software	command set: HPGL expanded, data format: ASCII
Electronic Control	Service-friendly, exchangeable electronic box
Air pressure	400l/min. 8 bar for POT
Vacuumpumps	1,1 kW, 2,2 kW, 4,0 kW, 8,5 kW, 12,5 kW (further types available on request)

## Recommendations of cutter sizes

Width* Length*	800 mm 31 in.	1300 mm 51 in.	1800 mm 71 in.	2200 mm 86.5 in.
800 mm 31 in.	S-800	M-800		
1200 mm 47 in.		M-1200	L-1200	XL-1200
1600 mm 63 in.		M-1600	LR-1600 LH-1600	XL-1600
2500 mm 98 in.			L-2500	XL-2500
3000 mm 118 in.			L-3000	XL-3000

\*Active cutting area may vary depending on the tool head.



## Worldwide, accessible, competent

As a supplier of highest-quality cutting systems, Zünd is equally committed to providing first class sales and after-sales support. Zünd is represented by a worldwide sales and service/support network. Local sales and service centers offer complete cutting systems as well as consumables and spare parts for Zünd and Wild plotters/cutters with hotline service for remote diagnostics and local spare parts inventories for maximum responsiveness to customer needs and machine up-time.



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