

Zünd Leather Cutter LC-2400 optima

For more than two decades, Zünd has been setting the pace in the development and manufacturing of multifunctional 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 sample-making and production system 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 footwear materials such as upper leather, sole leather, art leather, insole materials etc.

Tool inserts



tangential tool



electric oscillating tool



pneumatic tool (option)

Tool head



Tz-P20-No toolhead

- for punching up to 10 holes/sec
- 20 mm clearance for all tools
- tangential controlled punch spindles

Cutting module for all tool inserts

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

slip-free tooth belt drive with hardened and ground linear guides for superb quality and high precision

all axes with highly dynamic DC-motor drives

knife and service friendly table top

material hold-down with 2×20 zone vacuumsystem (switchable)

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

Repeatability	+/- 0.02 mm / 0.0008 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 ² / 400 in./s, 1G, depending on cutter size and tool head
Max. material thickness	20 mm (1.18 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	8,5 kW, 12,5 kW (further types available on request)

Dimensions

Overall dimension	3300 × 1800 × 1300 mm
Cutting area	2400 × 1000 mm
Working area	2480 × 1040 mm
Material clearance	25 mm
Working height, approx. 10° tilted	900/1070 mm



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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