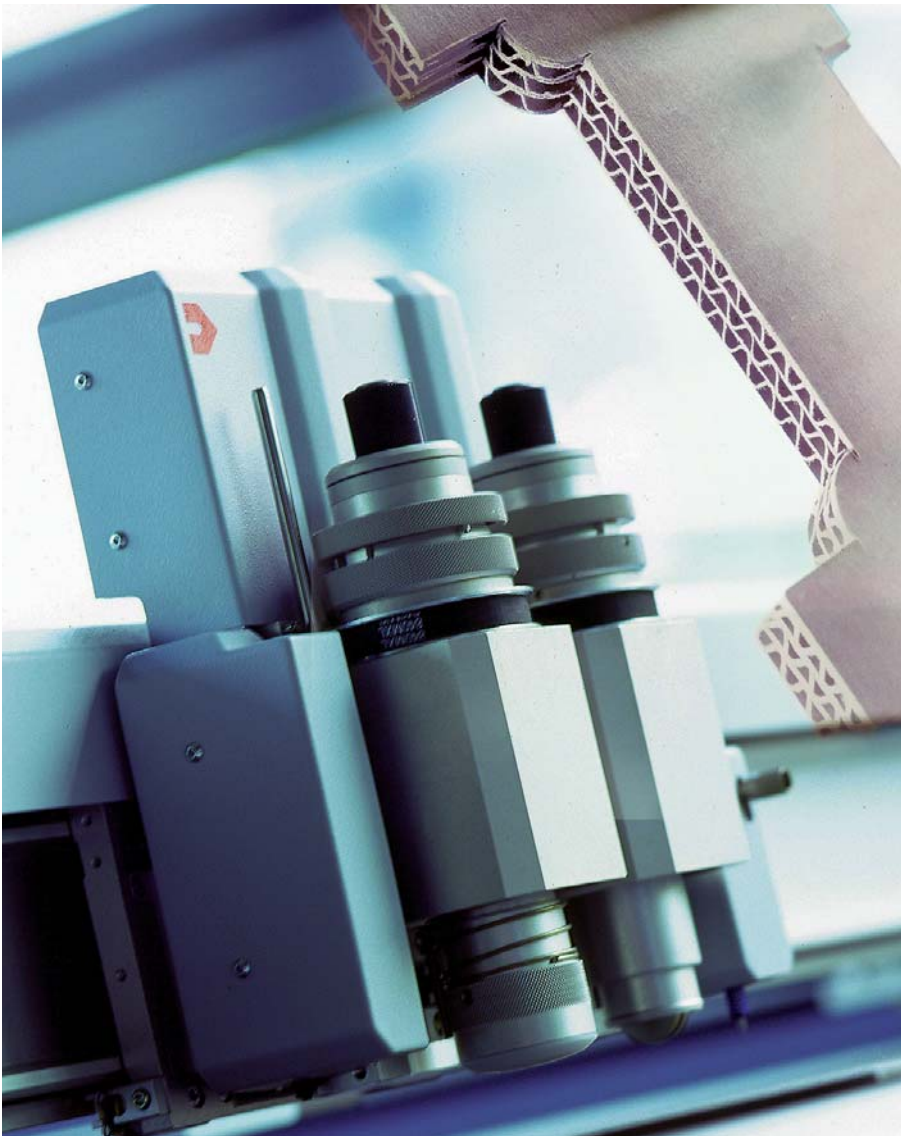


PRECISION CUTTER

Cutting, Printing, Routing, Creasing, Engraving, Laser...

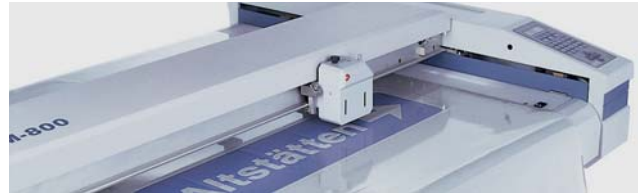


THE KEY TO SUCCESS

ZÜN 
Swiss Printing & Cutting Systems

➔ fast, precise, universal

The most successful Precision Cutters are made in Switzerland. For many years Zünd has been the leading manufacturer of multifunctional, high-output cutting systems. Zünd is consistently setting new standards for quality, reliability and flexibility.



Dimensions*	S-Line	M-Line	L-Line	XL-Line
Width	800 mm (31")	1300 mm (51")	1800 mm (70")	2200 mm (86")
Type	S-800	M-800	L-800	XL-800
Length 800 mm (31")				
Type		M-1200	L-1200	XL-1200
Length 1200 mm (47")				
Type		M-1600	LR-1600 (LH-1600)	XL-1600
Length 1600 mm (63")				
Type			L-2500	XL-2500
Length 2500 mm (98")				
Type			L-3000	XL-3000
Length 3000 mm (118")				

*Working width for tool 1: The precise working area depends on the type of tool head fitted and may vary slightly.




Technical data

Mechanical construction:

- rugged, welded construction (frame or side support versions). 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
- acrylic table top, knife and service friendly
- material hold-down with stepless vacuum system

Repeatability	+/- 0.02 mm (0.0008")	
Resol. of measuring system	0.005 mm (0.0002")	
Addressable resolution	0.01 mm (0.0004")	
Speed	1 - 1000 mm/s (0.04 - 39"/s), max. speed depending on cutter type and tool head	
Acceleration	max. 10 m/s ² (400"/s ²), depending on cutter type and tool head	
Material clearance	30 mm (1.18") standard, depending on tool head; optional 50/75 mm (1.97/2.95")	
Interface	RS 232C/V24, 600...38400 Baud, input buffer: 1 MB with replot function	
Software	Command set: HP-GL extended Data format: ASCII	
Electronic control	Service friendly, exchangeable electronic box, 4-axis control X, Y, T, Z Variable, look ahead vector control	
Keyboard	User friendly operating panel with 4-line LCD display, multi-lingual, 9 user parameters Integrated diagnostic function	
Mains supply	Plotter	110 V, 115 V, 230 V / 50 - 60 Hz, 700 VA single phase
	Vacuum pump	Standard 230 V / 50 Hz single phase 0.8 kW (others on request) 3 x 400 V / 50 Hz three phase 2.2 kW (others on request)
	Compressed air	Cutting and punching head Tz-P-Pu 20 l/min at 6 bar Pneumatic oscillating tool POT min. 400 l/min at 8 bar
Safety (CE, UL)	Light barriers with integrated self test to control the working area	
Environment	Operating temperature	+10°...+32°C (+50°...+89°F)
	Storage temperature	-20°...+52°C (-4°...+125°F)
	Relative humidity	40% to 80% non condensing

Illustrations, descriptions and technical data are not binding and may be changed without prior notice.

 Zünd precision cutters are manufactured to CE approval.

Material feeding systems For vinyl foils



Roll-off unit
for S-, M-, L- and XL-Line

With or without motor drive.
Automatic material feed with adjustable feeding paws or clamps.



Roll-up unit
for M- and L-Line

For paper, cardboard, textiles, etc.



Unwind/wind-up unit
for M-, L- and XL-Line

Markermaking from roll to roll up to 400 m (1312 ft).



Conveyor
for S-, M-, L- and XL-Line

Continuous cutting and automatic feeding of rolled or sheet materials.



➤ competent, successful, innovative

The success of Zünd plotters is not by chance. In close contact with end users and providers of software solutions Zünd is continuously developing innovative system solutions for new applications. Where reliability, precision and high performance is required increasing numbers of system suppliers are relying on Zünd.

Whether sheets or rolled materials, flexible or rigid...

Whatever your requirement – Zünd has the solution.

							Application						
Gasket materials	Aluminium	Leather	Apparel fabrics	Upholstery fabrics	Non wovens	Foamed material	Technical textiles	Carpets	Graphic industry	Packaging	Textile	Leather	Mountmaker
									➤	➤			
									➤	➤	➤		
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...Graphic industry



for sign makers, graphic designers, screen printers...

for precise cutting of self-adhesive vinyls, reflective traffic signs, screenprinting films, polyester and polycarbonates, for routing and engraving, decals, displays, etc.

...Packaging



for sample makers, packaging designers, die makers...

from design through to production of printed packaging samples, displays and short run production in carton or corrugated boards.

...Textile



for the apparel, upholstery and technical industries...

plotting and cutting of patterns in 24 hour operation, samplmaking and single-ply cutting (made to measure).

...Leather



for the efficient manufacture of leather goods in the shoe and upholstery industry...

pattern and direct cutting of leather for samples or short runs for shoes, leather seats and leather accessories (handbags etc.)

...Multifunctional



over 10 000 plotters/cutters "made in Switzerland"...

are in operation - some 24 hours a day - with a daily increasing number. Whether for gaskets, mount makers, lampshades, model building...

...innovative systems are ready for new challenges - for yours, too!

➤ flexible into the future

The rapid evolution of production needs require Zünd to constantly extend developments. Digital workflow with integration of our cutting systems into complex operations are the challenge of the future.

Zünd's large format printers, camera controlled cutting heads and automatic feeding systems are already offering tomorrow's solution today!

➔ cutting, routing, creasing ...

... drawing, punching, perforating, etc.

Choose your individual combination from the selection of Zünd tool heads. All tool heads can be fitted to any current cutter model and retrofitting of existing installations is also possible.

For **digital printing** and **laser cutting solutions** ask for detailed information.



Type	Tool heads	Description	Suitable for					Typical materials																
			Cutting	Kisscut/die cut	Drawing	Routing/engraving	Punching	Creasing	Vinyls	Decals/stickers	Reflective foils	Membrane switch	Hard foam	Acrylic panels	Plastic boards	Display boards (Kapa)	Paper	Folding carton	Corrugated board	Rubber ejection	Rubber sheets	Wood		
Cutting and Plotting heads		C2 Cutting and plotting head with tangential knife, for alternate use of knife or pen, automatic pressure control up to 1500 g.	➔	➔	➔																			
		C2-P Dual head with separate pen module as illustrated left.	➔	➔	➔																			
Tool heads with servo-controlled Z-axis		Tz-P High-performance cutting head with Z-axis controlled tangential module and pen module.	➔	➔	➔																			
		Tz-T-P Multiple cutting head with two Z-axis controlled tangential modules and one pen module.	➔	➔	➔																			
		Tz-2T-P Multiple cutting head with three Z-axis controlled tangential modules and one pen module (diam. 40 mm/1.57"), dual module (diam. 20 mm/0.78") and pen module.	➔	➔	➔																			
		Tz-P-Pu Cutting and punching head with Z-axis controlled tangential module, dual punch module and pen module.	➔	➔	➔		➔																	
		Tz-R45-P Cutting and milling head with Z-axis controlled tangential module, routing module and pen module. With 150 W or 450 W high frequency spindle.	➔	➔	➔	➔																		
		alternative: R45-P Routing and Pen module.			➔	➔																		
		Rz-P 3-D milling head with Z-axis controlled routing module and pen module. With 150 W or 450 W high frequency milling spindle.			➔	➔																		
	T75-P Cutting head for bevel and straight cutting with tangential module and pen module. - insert for various tools - bevel cut up to 15° degrees	➔	➔	➔																				
	alternative: Tz-T75-P multiple cutting head	➔	➔	➔		➔																		
Optical Registration Systems		CCD-camera Automatic registration for precise cutting of printed materials.	CCD-camera recognizes exact position (can be mounted on all tool heads)																					
Special tools		EOT Electric oscillating tool	➔																					
		POT Pneumatic oscillating tool	➔																					
		DRT Driven rotary tool	➔																					
		PPT mount cutting tool	➔																					

C2 = Cutting head with tangential knife

P = Pen module

Tz = Z-axis controlled tangential module

Pu = P



➔ Zünd – one step ahead

We are always striving for new ideas and innovative solutions. Zünd stands for efficient processing systems for most versatile applications with highest customer benefits.



UVjet 215-C, the multi-functional large format printer for rigid and rolled materials such as plexiglass, cardboard, glass, aluminium, paper, foils, textile materials etc. for indoor and outdoor applications.

Automatic, digital and camera controlled cutting system for printed panels, sheet and roll materials.

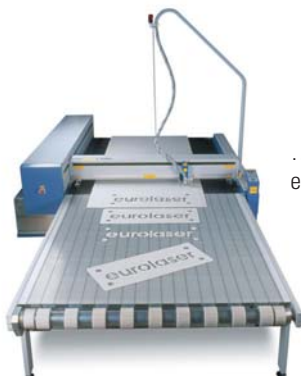


Direct cutting of leather with the LC-2400 for the shoe and leather goods industry.

Single/low ply cutter (made to measure production) with integrated take-off table based on knife technology on Zünd product range...



...using Laser technology (seals cutting edges) on Eurolaser/Zünd product range.



For further information please ask for full product details.

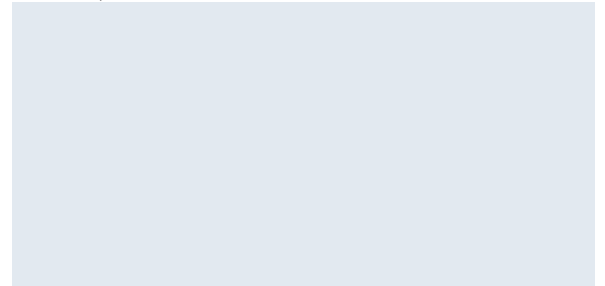


➔ worldwide, accessible, reliable

The level of first class cutters also extends to the after-sales service. Worldwide sales and service centres with spare parts for Zünd and Wild plotters, regular training courses for service technicians and system suppliers as well as hot-line telephone support give customers worldwide complete assurance in their purchasing decision.



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