

PRECISION CUTTER

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



THE KEY TO SUCCESS

ZÜND 
swiss 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.

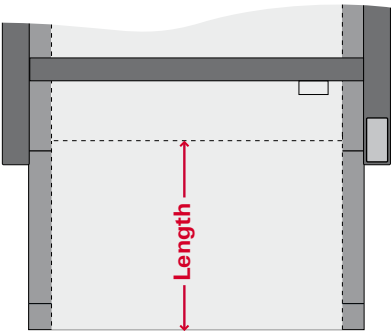


With a choice of 14 different sizes, Zünd offers the widest range of flatbed cutter formats. A variety of optional conveyor extensions optimize production workflow by providing easily accessible, efficient unloading while cutting operations continue. Different extension lengths are available to meet individual production and space requirements.

	S-Line 800 mm (31")	M-Line 1300 mm (51")	L-Line 1800 mm (70")	XL-Line 2200 mm (86")	2XL-Line 2735 mm (107")	3XL-Line 3245 mm (128")
Length 800 mm (31")	S-800 	M-800 				
Length 1200 mm (47")		M-1200 	L-1200 	XL-1200 		
Length 1600 mm (63")		M-1600 	LR-1600 (LH-1600) 	XL-1600 		
Length 2500 mm (98")			L-2500 	XL-2500 		
Length 3000 mm (118")			L-3000 	XL-3000 	2XL-3000 	3XL-3000

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

Conveyor extensions					
Length	M-Line	L-Line	XL-Line	2XL-Line	3XL-Line
	800/31"				
	1200/47"	1200/47"	1200/47"		
	1600/63"	1600/63"	1600/63"		
		2500/98"	2500/98"		
		3000/118"	3000/118"	3000/118"	3000/118"



➔ 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 **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 150° degrees _____ alternative: Tz-T75-P multiple cutting head _____	➔	➔	➔				➔	➔	➔						➔	➔	➔	➔	➔	➔	➔
		ICC-camera Automatic registration for precise cutting of printed materials. _____																					
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

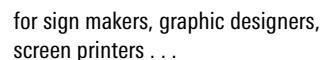
Tz – Z-axis controlled tangential module

Pu – Pu

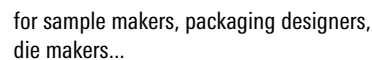


Whether sheets or rolled materials, flexible or rigid...

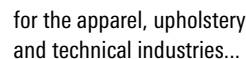
...Graphic industry



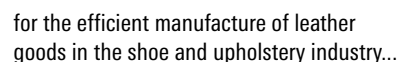
...Packaging



...Textile



...Leather



...Multifunctional



...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.

[illegible]



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")		
Adressable 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.

CE 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.



➤ 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.

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.

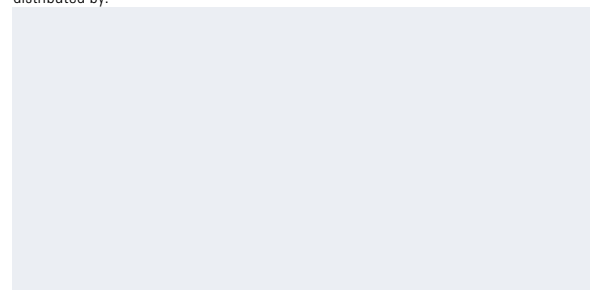


➤ worldwide, accessible, reliable

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



distributed by:



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swiss cutting systems

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