PRECISION CUTTER

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





THE KEY TO SUCCESS

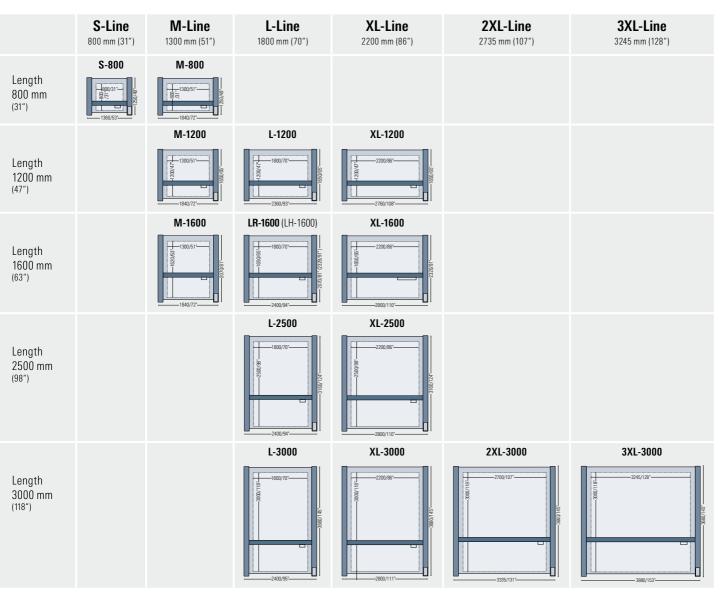


fast, precise, universal

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.

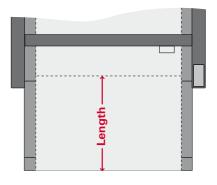


With a choice of 14 different sizes, Zünd offers the widest range of flatbed cutter formats. A variety of optional conveyor extensions optimize production workflow by providing easily accessible, efficient unloading while cutting operations continue. Different extension lengths are available to meet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



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

	Conveyor extensions										
	M-Line	L-Line	XL-Line	2XL-Line	3XL-Line						
Î	800/31"										
 	1200/47"	1200/47"	1200/47"								
Length	1600/63"	1600/63"	1600/63"								
_		2500/98"	2500/98"								
Ļ		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.



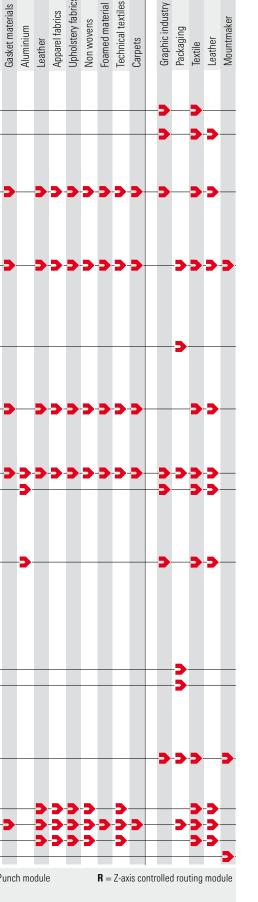
Туре	Tool heads	Description		Suitable for					Typical materials $\overline{\mathbb{R}}$									_			
			Cutting	Kisscut/die cut	Drawing	Routing/engravin	Punching Creasing	8	Vinyls Decels (stickers	Decais/suckers Reflective foils	Membrane switch	Hard foam	Acrylic panels SIB	Plastic boards	Display boards (Kaj	Paper	Folding carton	Corrugated board	Hubber ejection	Kubber sheets	VV000
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		Tz-P High-performance cutting head with Z-axis controlled tangential module and pen module	->	->	->			+	>-:	>-3	->				.	>-	>-	>-	-	>-	-
Z-axis		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	t >	->	->->	- > -			>-:	>-3	->	-) -)	>	.)	>-	•	>-	>-	_	> -	>-: >
	8	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	->	>-	->												> - 5 -	> -:	>- >-	>	
Optical Registration Systems	-	ICC-camera Automatic registration for precise cutting of printed materials.	1																		_
Special tools		EOT Electric oscillating tool POT Pneumatic oscillating tool DRT Driven rotary tool PPT mount cutting tool	222												•	>	>- >-	>-:	>-:	>	
		C2 = Cutting head with tangential knife P =	Pen	mod	ule			rz =	Z-axi	s con	trolle	d tar	ngent	tial m	nodu	le	-			Pu =	= Pu



Application

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.

...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



...Textile

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.

for the apparel, upholstery and technical industries...

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

...Leather



...Multifunctional



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.)

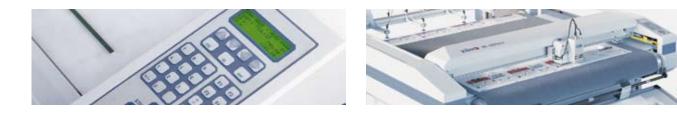
over 10 000 plotters/cutters "made in Switzerland"...

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

 \ldots 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.



Technical data	Mechanical construction: - rugged, welded construction (frame or side support versions). Slip-free steel band drive (patented) with hardenend 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")
Sneed	1 - 1000 mm/s (0.04 - 39"/s) may speed depending on cutter type and tool head

1 - 1000 mm/s (0.04 - 39"/s), max. speed depending on cutter type and tool head								
max. 10 m/s ² (400"/s ²), depending on cutter type and tool head								
30 mm (1.18") standard, depending on tool head; optional 50/75 mm (1.97/2.95")								
RS 232C/V24, 60038400 Baud, input buffer: 1 MB with replot function								
Command set: HP-GL ext	Command set: HP-GL extended							
Data format: ASCII								
Service friendly, exchangeable electronic box, 4-axis control X, Y, T, Z								
Variable, look ahead vector control								
User friendly operating panel with 4-line LCD display, multi-lingual, 9 user parameters								
Integrated diagnostic fun	Integrated diagnostic function							
Plotter	110 V, 115 V, 230 V / 50 - 60 Hz, 700 V	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								
Operating temperature	+10°+32°C (+50°+89°F)							
Storage temperature	-20°+52°C (-4°+125°F)							
Relative humidity	40% to 80% non condensing							
	max. 10 m/s ² (400"/s ²), de 30 mm (1.18") standard, d RS 232C/V24, 60038400 Command set: HP-GL ext Data format: ASCII Service friendly, exchange Variable, look ahead vecto User friendly operating pa Integrated diagnostic fun Plotter Vacuum pump Compressed air Light barriers with integra Operating temperature Storage temperature	max. 10 m/s² (400"/s²), depending on cutter type and tool head 30 mm (1.18") standard, depending on tool head; optional 50/75 r RS 232C/V24, 60038400 Baud, input buffer: 1 MB with replot fu Command set: HP-GL extended Data format: ASCII Service friendly, exchangeable electronic box, 4-axis control X, Y, T Variable, look ahead vector control User friendly operating panel with 4-line LCD display, multi-lingua Integrated diagnostic function Plotter 110 V, 115 V, 230 V / 50 - 60 Hz, 700 V Vacuum pump Standard 230 V / 50 Hz single phase 3 x 400 V / 50 Hz three phase Compressed air Cutting and punching head Tz-P-Pu Pneumatic oscillating tool POT Light barriers with integrated self test to control the working area Operating temperature +10°+32°C (+50°+89°F) Storage temperature -20°+52°C (-4°+125°F)						

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



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.





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:



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.

J-SUB DIGITAL-

i-Sub House, Telford Way Kettering, Northants, NN16 8UN

Tel: 01536 415511 Fax: 01536 482855 www.i-subdigital.com



Zünd Systemtechnik AG Industriestrasse 8 CH-9450 Altstätten T +41 71 757 81 00 F +41 71 757 81 11 info@zund.com www.zund.com