

ZÜND SIGNMAKER

For Sign makers, screen printers, graphic designers...



No other plotter handles reflective materials more efficiently than the Zünd Signmaker

Zünd – No. 1 in the graphic industry

Zünd Signmakers reflect state-of-the-art design, are compact, user-friendly, efficient.

Top speed

The patented slip-free steel band drive ensures maximum speed and acceleration up to 1g with consistent line quality.

Latest electronic control

- 4-axis control X, Y, T, Z with most modern micro processors
- Service-friendly, detachable electronic control unit
- Ergonomic operator keyboard, functional, well arranged

Automatic material feed

The well-proven material feed system guarantees highest productivity and feed accuracy. Accepts rolls with a diameter of up to 230 mm (9").



Roll-off unit

- For rolls up to 1300 mm/51" width (or 1800 mm/70"), depending on model
- Quick roll changes for minimal interruptions
- Options:
 - Motor drive for heavy rolls, rewind function
 - For diameter up to 350 mm (13")



Roll-up unit

- Automatic coreless rolling-up of standard materials up to 15 m/17 yds.
- Prevents material from trailing on floor, minimizes exposure to dust and dirt

Zünd Signmaker – The Fastest Precision Flatbed Plotter in the World

For years the Swiss high-tech company Zünd has been setting new standards in the race for the most productive flatbed plotter.

Zünd Signmaker represent:

- Precision
- Productivity
- Reliability
- Largest selection of sizes



Whether vinyl from full rolls, sheets or very small pieces – Zünd has the solution.



- The feeding elements are activated automatically

ZÜND 
Swiss Printing & Cutting Systems

Recommended sizes

Additional sizes as per general plotter program or Zünd homepage

Plotter-Line	Type	Working area ¹ (W x L in mm/inch)	Dimensions (W x L x H in mm/inch)	Weight approx.	Material width in mm/inch
M-Line	M-800	1300/51" x 800/31"	1840/72" x 1250/49" x 995/39"	330 kg	1550/61"
	M-1200	1300/51" x 1200/47"	1840/72" x 1650/65" x 995/39"	370 kg	1550/61"
	M-1600	1300/51" x 1620/63"	1840/72" x 2070/81" x 995/39"	440 kg	1550/61"
L-Line	L-1200	1800/70" x 1200/47"	2360/93" x 1650/65" x 995/39"	440 kg	2060/81"
	L-2500	1800/70" x 2500/98"	2400/94" x 3160/124" x 1060/41"	630 kg	2060/81"

¹ The precise working area depends on the type of tool head fitted and may vary slightly.

Tool heads for Zünd Sigmaker



Cutting- and plotting head C2

- With tangential knife, for alternate use of knife or pen
- User-friendly setting of cutting depth with automatic pressure control of 25 – 1500 g
- Integrated cut-off function
- Option: Upgrade to Dual head C2P with pen module for various drawing tools
- For cutting of vinyl, reflective materials (Diamond Grade), masking film, thin cardboard, paper, etc.



High performance cutting head Tz-P

- With Z-axis controlled tangential module and pen module
- Either with drag or oscillating knife, for cutting of tougher materials such as:
 - Polyester and polycarbonates,
 - membrane switches, carton, display board, foam materials, textiles, etc.



Milling and engraving head RzP

- 3-D milling head with Z-axis controlled routing module and pen module
- Speed range 5'000 – 60'000 rpm
- Milling depth 20 mm/0.8", up to 10 mm/0.4" in one pass
- With 150 W or 450 W high frequency milling spindle
- For milling and engraving of plexiglass, acrylics, plastics, pertinax, hardfoam, wood, hard aluminium up to 2 mm/0.08", etc.

Technical data	Mechanical construction:		
	– rugged, welded frame construction (L-2500 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-servo motor drives – acrylic table top, knife- and servicefriendly – material hold-down with stepless vacuum system – light barriers with integrated self test to control the working area		
Repeatability	+/- 0.02 mm (0.0008")	Speed	1 – 1000 mm/s (0.04 - 39"/s)
Resol. of measuring system	0.005 mm (0.0002")	Acceleration	max 10 m/s ² (400"/s ²), 1g
Addressable resolution	0.01 mm (0.0004")	Interface	RS232C / V24, 600...38400 Baud input buffer: 1 MB with replot function
Material clearance	30 mm (1.18")	Software	Command set: HP-GL extended Data format: ASCII
Material feeding	Roll-off unit, optional with motor drive, feeding elements	Mains supply	110 V, 115 V, 230 V, / 50 – 60 Hz, 700 VA, single phase
Max. feeding speed	250 mm/s (10"/s)	Vacuum pump	0.8 kW 230 V / 50 Hz single phase (L-2500 with two 0.8 kW-vacuum pumps)
Material width in mm/inch	50/2" – 1300/51" or 1800 mm/70"	Tool heads and special tools	C2/C2P, Tz-P, RzP, 4-color inkjet printing system, oscillating tool EOT, Laser, etc.
Material thickness	0.1 mm/0.004" – 25 mm/1"		
Feeding accuracy	+/- 0.1 mm/0.004"		
Roll-up unit	Automatic coreless roll-up of standard foils up to 15 m/17 yds		

Sign:02.2/99.10.RVA

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

Zünd Sigmakers are manufactured to CE and UL approval.

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