

Zünd Digital Cutter G3 L-2500

Configuration:

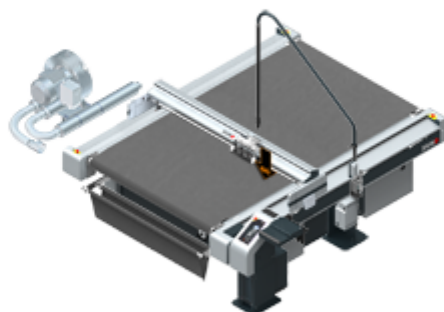


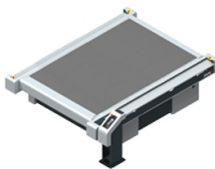
Illustration	Description	Qty
	Zünd digital cutter G3 L-2500 Work area: Width = 1800 mm (70") Length = 2500 mm (98"), 3 tool module slots, laser pointer, adjustable vacuum area	1
	Integrated tool initialization, ITI, for 2 modules	
	Operating manual English, included	
	3 phase 400 V (323V - 457V)	
	50 Hz	
	CEE32	
	compressed air supply required	
	Integrated tool initialization, ITI, for third module automatic initialization of cutting and routing tools	1
	Material clearance 60 mm with adequate tooling materials up to 50 mm (1.97") can be cut	1




Illustration	Description	Qty
	Workstation incl. supports for 2 modules and 3 tools, monitor mount, PC storage cabinet; max. PC dimensions: width 200 mm (7.9"), height 480 mm (18.9"), length 470 mm (18.5"), with compact keyboard (USB+PS/2 connectors)	1
	Vacuum pump 5.5/6.3kW quick release, 3ph 400V (50/60Hz) material hold-down, quick release, vacuum reversal	1
	Material transport 60, 3 transport elements for L-line recommended for board material	1
	Conveyor belt G3 L-2500	1
	Transport bar L-line for processing roll- and sheet material	1
	Roll-off unit Universal, passive, L-line max. roll diameter Ø350 mm (13.75"), max. roll weight 70 kg (154 lbs)	1
	Material guide-roll L-line for improved textil transport.	1
	Collection tray L-Line	1
	Routing Module, RM-A, 1kW, QC* incl. active air-cooled, high-frequency spindle with 6mm pneumatic collet, powerful chip removal with electronically-controlled dust collector and material surface compensation for relative depth control	1
	Automatic router bit changer ARC Reconfigurable magazine for up to 6 standard and 2 special router-bits (totally 8 router-bits). Automatic router-bit cleaning and scan feature to verify occupied magazine positions.	1










Illustration	Description	Qty
	<p>Set of router bits ARC, basic, Shaft diameter 6.0mm (0.236")</p> <p>6 Zünd multipurpose- and 2 Zünd ACM-routers with stop ring: 2 x R202-A (Ø2.0/6/1), 2 x R204-A (Ø4.0/14/1), 2 x R206-A (Ø6.0/22/1), 2 x R208-A (Ø3.0/8/1)</p>	1
	<p>Routing underlay Sealgrip 1000 mm (39") x 1600 mm (63")</p> <p>Note, 2 routing underlays do not cover the whole cutting area.</p>	6
	<p>Tube guide version gantry, for RM-A, L-2500</p> <p>self-standing, minimum ceiling height 3.0 m (118")</p> <p>mounted right</p>	1
	<p>Dust extractor CLEANTEX CTM 48 E</p> <p>Industrial dust extractor for extracting standard application materials. Incl. compact cleaning set. Net price</p>	1
	<p>Universal Module, UM-ZS*</p> <p>accommodates wide range of cutting- and drawing tools</p>	1
	<p>Universal Module, UM-ZP*</p> <p>accommodates wide range of cutting-, creasing-, drawing tools.</p> <p>Extra powerful Z-axis</p>	1
	<p>Cutting tool UCT</p> <p>Universal Cutting Tool. Incl. spring-loaded gliding disc 2 knife holders type 1 + 3</p>	1
	<p>Set of knives for cutting tool UCT/SCT</p> <p>14 knives: 4 x Z10, 10 x Type 6</p>	1
	<p>Gliding disc, fixed for UCT</p>	1
	<p>Cutting tool KCT</p> <p>Kiss Cut Tool. With mechanical pressure control, inkl. 3 tension springs blue, red, yellow and fixed gliding disc</p>	1
	<p>Set of knives for cutting tool KCT/KCM</p> <p>10 knives: 5 x Z2 5 x Z3</p>	1
	<p>Cutting tool, EOT-250, 2.5 mm stroke, 1.5 mm knives*</p> <p>Electric Oscillating Tool. Incl. spring-loaded gliding disc</p>	1

Illustration	Description	Qty
	Set of knives, universal, for oscillating cutting tool EOT/POT 1.5 for cutting sandwich board. 6 knives: 2 x Z21, 2 x Z61, 2 x Z68 1 x adapter: 1.5 mm to 0.6 mm	1
	Cutting tool VCT V-Cut Tool. Incl. adjustment gauge, 3 knife holders, for cutting at 0°, 15°, 22.5°, 30°, 45° angles	1
	Set of knives for V-cutting tool VCT 22 knives: 2 x Z71, 20 x Z73	1
	Creasing tool CTT1	1
	Creasing wheel, basic for creasing tool CTT1 Creasing wheel C103	1
	Creasing tool CTT2	1
	Set of creasers, universal for creasing tool CTT2 5 crease wheels for thin paper- and plastic materials: 1 x C201, 1 x C202, 1 x C204, 1 x C206, 1 x C211	1
	Zünd Cut Center, Software suite V3.x for intuitive and easy operation of Zünd digital cutters; incl. Cut Server, Cut Manager, one Cut Editor for one PC.	1
	Cut Queue for automated workflow and reporting, incl. unlimited number of hot-folders	1
	Routing option for easy routing, drilling, engraving operations	1
	V-cutting option	1
	Camera option for vision registration with border recognition, best-fit, fit-to-object, and fit-to-job compensation features;	1
	HP EliteDesk 800, HP Monitor 23 inch, WIN10	1
	Warranty 24 maanden Zünd Garantievoorwaarden: - 24 maanden garantie op de Zünd Digital Cutter. - 6 maanden garantie op de Zünd Modules en Tools.	1
	Integrated, compact color camera ICC for perfect recognition of virtually any reference mark even under imperfect conditions, e.g. low contrast, poor ambient lighting, reflective substrates	1

Service Level Agreement

With the delivery of this Zünd Digital Cutter a Service Level Agreement will be concluded for a minimal period of 3 years. This Service Level Agreement will be invoiced separately each year.
The Service Level Agreements are available in different options, see below.

Option 1: € 3.150,00 per year

1x per year preventive maintenance
20% discount on working hours and travelling costs for on-site service
Priority level 3: on-site service (48 hours max.)
4 working hours response time for online support (from 8 till 17:30 on working days)
Free phone and remote support (Netviewer)

General:

- Basic period SLA 3 years.
- Invoicing per year, a year ahead.
- Intermediate upgrade to a higher level possible.
- Amounts are excluding VAT.

leer

Site / installation requirements:

Electrical requirements	1 mains connection necessary.
Cutter	3 phase 345 - 415 V, 50Hz, 32 A
Minimal ceiling height	300 cm
Overall Space requirements	542 cm x 583 cm
Compressed air requirements	0.7 - 1.0 MPa

Solid reasons for Zünd



Zünd

Zünd Systemtechnik AG - family-owned and based in Switzerland - specializes in digital cutting systems. The Zünd name represents Swiss quality and has become synonymous with precision, performance and reliability. Since 1984 we have been designing, producing and marketing modular cutting systems and have gained a global reputation as market leader. The technological superiority of our products stems from our insistence on high quality standards, modular design and focus on our customers.



Modularity

Zünd cutting systems are based on a design concept that lends them greater flexibility and adaptability than any others on the market can offer. This unique modularity makes it possible to cost-effectively configure and upgrade Zünd cutters for ever-changing cutting needs. This contributes to their exceptional ROI and makes them retain their value over many years.



Profitability

Solid performance, outstanding quality - thousands of Zünd cutting systems worldwide are producing non-stop and offer daily proof of their unparalleled profitability. Innovative technology and superior standards of construction guarantee low maintenance costs. Outstanding energy efficiency is yet another benefit of our products. Optimal processing methods, state-of-the-art vacuum generators and sophisticated material advance systems keep energy demands low and contribute to the eco-friendliness and sustainability of our products.



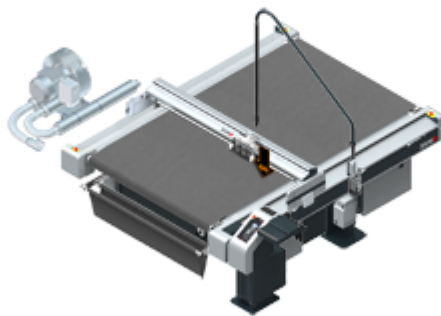
Worldwide service

What applies to our cutting systems, also applies to our service: Exceptional performance, precision and reliability. Optimally trained and highly experienced specialists are always at your disposal. Zünd technicians all over the world are only a phone call away. Our subsidiaries and distribution partners in your vicinity strive to keep response times to a minimum and are ready to provide support whenever the need arises.

Ideal Cutter Location

Consider how the raw uncut and sometimes heavy material is best getting on to the cutter as well as the finished cut pieces are taken away from the cutter.

Allow at least 1 m , 40 in clearance around the cutting system for service and daily operation purposes.



Overall cutter dimensions

Length (L)	342 cm, 135 in
Width (B)	383 cm, 151 in
Width workstaion	32 cm, 13 in

Overall Space requirements

Length (L)	542 cm, 213 in
Width (B)	583 cm, 230 in

Location requirements

Floor evenness	+ / - 20mm, + / - 0.8 in
Floor load capacity	200 kg/m ²
Minimal ceiling height	300 cm, 118 in
Temperature range	+50 - +95°F
Relative humidity range (none condensing)	

Electrical requirements

1 mains connection necessary.

Cutter	
Phases	3
Voltage	345 - 415 V
Power frequency	50 Hz
Power fuse min.	32 A
Wiring	3 Phasen L1 L2 L3 N PE
Earth leakage	10 mA



Compressed air requirements

Air Purity (ISO 8573-1)	class 2.4.1
Connector hose inter-Ø	6-7 mm, 0.24-0.28 in
Pressure	0.7 - 1.0 MPa
Air volume	140 l/min

PC

The PC should be used exclusively for controlling the cutter.

Any software or driver used for other equipment may affect the performance of the cutting software.

Antivirus and data protection are solely the responsibility of the user.

The cutting software and all associated drivers and data must be backed up regularly.

Any cost associated with restoring data or recovering and re-installing software is not covered under warranty.

Internet access for remote support is highly recommended.

Processor	min. Intel Core i5 2.5 GHz or equivalent
Main storage	min. 4 GB RAM
Hard disc storage	min. 20 GB free

Operating system	Microsoft Windows 7 SP1 till Windows 10 64bit
USB	min. 3 x USB 2.0 or 3.0 (hardware key, keyboard, mouse)
Screen resolution	min. 1280 x 1024
Network interface ¹	2 x RJ45 LAN, 100/1000 Mbit/s Ethernet
Slot	min. 1 x PCIe Slot free (for provided framegrabber card)
Permissions for installation	local administrator
Maximal PC dimensions	200 (W) x 480 (H) x 470 (D)

¹ An additional ethernet interface which is not listed here is required to control certain external devices (e.g. Leibinger Jet 3 Inkjet Printer, UR Robot, BHS150).

Vacuum cleaner

max. power drain	1,400 W
max. power input	16 A
Voltage	230 V
Wiring	L N PE
min. flow rate	3150 l/min, 832 gal/min
max. Partial vacuum	22 - 25 kPa
connecting sleeve outside	45 mm, 1.77 in

Depending on the material being worked with, the dust generated may be toxic or potentially explosive. Seek expert advice about the correct filter system and explosion protection when choosing a dust extractor. Only use dust extractors with external air cooling for industrial purpose.

Unpacking and installation

Please do not attempt to open or unpack any crates on your own. Authorised Zünd Service personnel need to verify that the delivery is complete.

Ideally the crates are unpacked next to where the cutter has to be installed.

Make sure the route to the final cutter location is free from obstacles (narrow doors, steps etc.) so the crates can be transported to the cutter location by a pallet truck or similar (long forks are required).

For the assembly of the cutter, the service engineer will normally need a "helping hand".

Make sure that staff capable of lifting heavy loads is available at the time of the assembly.

In cases of limited access the crates need to be unpacked and the individual components transported to the final cutter location.

In such case make sure that the largest unpacked part can pass obstacles like narrow doors, stairs etc.

largest part (unpacked)


3412 x 300 x 300 mm, 134 x 12 x 12 in

This may involve further lifting/carrying of heavy and unhandy components over longer distances. Please consult your supplier to coordinate the necessary staff and equipment.

The installation can normally be accomplished in 1-2 days.

For the G3/D3 Cutter following utilities are necessary to lift the side rails out of the crate:

Lifting Straps

	Cutter length (mm)	Lifting strap length (m)	Carrying capacity
	1600	1	500 kg
	2500	1,5	500 kg
	3200	2	500 kg

Lifting device (Carrying capacity 2000 kg)



Training

Basic handling of the cutter including how to best cut a given material, which blade to use etc. can normally be accomplished in 1-2 days.

The amount of training required will normally depend of the software used as well as the skill level of the operators.

Zünd recommend that minimum two and maximum 4 people participate in the initial training.