

Broker Cargo

NIP 6452529191

Ul. H. Sienkiewicza 6

41-922 **Radzionków**

Quotation

Zünd Digital Cutter G3 L-3200

Date:

Your ref.:

Phone:

Email:

On the basis of our general conditions of sale and delivery we are pleased to quote as follows:

Your first choice in digital cutting.



Configuration:



Illustration	Description	Qty	Total price in CHF
	<p>G3 Digital Cutter</p> <p>Zünd Digital Cutter G3 L-3200 Work area: Width = 1800 mm (70"), Length = 3200 mm (125"), 3 tool module slots, laser pointer, adjustable vacuum area</p> <p>Integrated tool initialization, ITI, for module 2 and 3, mounted right</p> <p>Operating manual English, included</p> <p>3 phase 400 V (323V - 457V)</p> <p>50 Hz</p> <p>CEE32</p> <p>compressed air supply required</p> <p>Material clearance 60 mm with adequate tooling materials up to 50 mm (1.97") can be cut</p>	1	1






Illustration	Description	Qty	Total price in CHF
	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	
	Remote installation kit for 5.5/6.3kW vacuum pump extends distance between vacuum pump and cutter up to 5m (16ft)	1	
Material handling			
	Material transport 60 3 transport elements for L-line recommended for board material	1	
	Conveyor belt G3 L-3200	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 textile transport.	1	
Module and accessories			
	Universal Module UM-ZS* accommodates wide range of cutting- and drawing tools	1	

Illustration	Description	Qty	Total price in CHF
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Tools and accessories



Cutting tool UCT
 Universal Cutting Tool. Incl. spring-loaded gliding disc
 2 knife holders type 1 + 3

1

Set of knives for cutting tool UCT/SCT
 14 knives: 4 x Z10, 10 x type 6

1



Cutting tool KCT
 Kiss Cut Tool. With mechanical pressure control, incl.
 3 tension springs blue, red, yellow and fixed gliding
 disc

1

Set of knives for cutting tool KCT/KCM
 10 knives: 4 x Z3, 4 x Z6, 2 x Z7

1



Cutting tool EOT-250, 2.5 mm stroke, 1.5 mm knives*
 Electric Oscillating Tool. Incl. spring-loaded gliding disc

1

**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 DRT*
 Driven Rotary Tool

1

**Set of knives, single-ply textiles/mesh for driven rotary
 tool DRT**
 2 knives: 2 x Z50

1

Software


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

Camera Option
 for vision registration with border recognition, best-fit,
 fit-to-object, and fit-to-job compensation features;

1

Registration and Projection

Illustration	Description	Qty	Total price in CHF
	<p>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 Incl. 3 sockets for the connection of driven tools.</p>	1	
	<p>Framegrabber board For controlling the ICC camera via Zünd Cut Center software.</p>	1	
	<p>Transportation</p> <p>transport cost Total accrued charges will be invoiced at cost upon delivery</p>	1	
	<p>Installation and Training</p> <p>Fixed rate for Installation and training</p>	4	
Subtotal			
Discount			
Total net price			

Site / installation requirements:

Electrical requirements

Cutter 3 phase 345 - 415 V, 50Hz, 32 A

Minimal ceiling height 200 cm

Overall Space requirements 612 cm x 483 cm

Compressed air requirements 0.6 - 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.

Site preparation

Date: 8/20/21

Our ref.:

Your ref.:

Phone:

Phone:

Email:

Email:

General

Zünd embodies Swiss quality in engineering and manufacturing.
For years, Zünd has been synonymous with precision, performance and reliability

With proper preparations it only takes a few days to put your new Zünd High Performance Cutter into operation and to train your staff. This document outlines site requirements as well as helpful hints to ensure a trouble-free delivery, installation and training session.

Your first choice in digital cutting.



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)	412 cm, 162 in
Width (B)	283 cm, 111 in
Width workstaion	32 cm, 13 in

Overall Space requirements

Length (L)	612 cm, 241 in
Width (B)	483 cm, 190 in

Location requirements

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

Support frame Ground anchoring recommended for better performance

Electrical requirements

Cutter	
Phases	3 (symmetrical three-phase system)
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	0.6 - 1.0 MPa
Air volume	70 l/min, 18.5 gal/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 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).

Delivery

The machine will be delivered on a dock-height truck; availability of all necessary equipment to handle shipments of this size is required (see crate dimensions and weights listed below).

Your cutter is delivered in the following crates and needs to be assembled on site.

Immediately upon arrival make sure to document any visible transportation damage and notify the carrier as well as Zünd and your local Zünd re-seller.

Content	Dimensions	Weight
1x crate Basic unit	4250 x 1550 x 710 mm, 167 x 62 x 28 in	850 kg, 1650 lb
1x crate Basic unit	3790 x 1550 x 970 mm, 149 x 62 x 38 in	1250 kg, 2750 lb
1x pallet vacuum generator	1370 x 800 x 800 mm, 54 x 32 x 32 in	270 kg, 600 lb
1x crate workstation/vacuumcleaner	1200 x 800 x 1100 mm, 48 x 32 x 44 in	120 kg, 265 lb

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)


4112 x 300 x 300 mm, 162 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.

Checklist

1. The exact delivery date is known. []

2. The date for installation/training is known. []

3. A loading ramp / forklift truck is available when the truck arrives (unloading from side). []

4. A suitable location is selected for interim storage, if applicable. []

5. The route to the location is free of obstacles (steps, stairs, etc.). []

6. A forklift / pallet truck is available on the day of installation. []

7. A computer with login as administrator and internet access is available to install software. []

8. Staff are available for installation and training. []

9. The requirements for the location in terms of space, electrical connections, and compressed air are met. []