

Vigevano, 22 april 2021

 **ORTOSTEP d.o.o.**

Dear Sir,

The following is our best quote for Comelz CAD/CAM systems:

MODEL	DESCRIPTION	UNIT PRICE
<b>CZ/M</b>	cnc cutting machine for leather and synthetic materials (cutting area 155cm x 85cm)	
<b>CZ/M-PS</b>	upgrade to micro-partialization system for CZ/M– 96 sectors	
<b>CZ/M-LED</b>	upgrade to LED light system – 56 lights	
<b>CZ-CU4P</b>	upgrade to pneumatic cutting units (4mm stroke)	
<b>Vision-CC</b>	vision system for accurate conveyor control	
<b>GL</b>	machine control software	
<b>CALCON</b>	file converter (dxf, AAMA, ISO GBR)	
<b>ADT5</b>	machine installation (travel expenses included)	
<b>TOTAL</b>		<b>EURO 100.700</b>
Discount 5%		Euro 5.035 -
<b>GRAND TOTAL</b>		<b>EURO 95.665</b>

**Machine standard features:**

**Cutting area CZ/M:** 1550mm x 850mm. Tilted table (7 degrees). **Two cutting heads with 7 tools** each head(1 knife, 1 pen, 5 round punches). The punches are installed on a revolver with tool auto-selection. The knife cutting depth of each head is adjusted electronically with the accuracy of 0.1mm. The cutting heads are installed on **telescopic arms** in order to avoid covering the piece projection. The X and the double Y axes are controlled by recycling ball warm screws. **Conveyor belt** controlled by a brushless gear-motor that allows the conveyor movement even with the vacuum on. The conveyor belt can move in both directions. **11KW vacuum pump** controlled by an electronic inverter that allows to save energy and to reduce the noise level. Special **sound proofing system** (in particular for the vacuum pump chamber and for the air exhaust). **Laser projection system** with brightness adjustable by the software. Projection area: 1600mm x 1300mm. The accuracy of the projection is ensured from the fact that the projector is positioned at only 80cm from the work table and it has a resolution of over 65000 points to cover the width of 1600mm (the CZ/L has **two projectors** to cover the widths of 2000mm). The projection is direct (there are no mirrors). Industrial machine control **PC** and **19" lcd** monitor integrated in the machine. **GL** (machine control software) and **Calcon** (dxf universal converter / pattern editor) installed on the machine PC. Calcon, besides converting dxf files, allows to make some editing of the patterns that increase the productivity of the machine (creation of groups and multiple pieces, automatic rounding of the corners, piece organization, tool editing, etc.). *Every software installed in the machine is to be considered part of the cutting machine, and therefore you have the right to resell the complete system without Comelz approval.* **CZ-PS:** micro-partialization system of the vacuum. This is a system of 96 independent sectors that can be controlled manually or automatically. **CZ-LED:** this new system consists of a set of 56 individual high brightness LED light fixtures that illuminate the cutting and nesting areas with high power light beams in order to reveal every fault of the leather without any reflection in the operator eyes. The brightness is adjustable by the software. **CZ-CU4P:** cutting unit with extended stroke (4mm) to reduce the "drag effect" on materials difficult to be cut (breathable textile, thick or elastic leather, etc.). **Vision-cc:** this system consists of a fixed camera and a particular software that automatically eliminates every potential error in the movement of the conveyor belt. This system is particularly indicated for cutting pieces at 0mm distance.

**Delivery terms:** about 14 work weeks from the order.**Freight charges:** freight charges not included. Prices are Ex Works. Packaging crate is included.**Warranty:** 1 year warranty from the installation of the machine.**Payment terms:** 20% at the order, 80% before delivery**Please stamp, sign, and return this document to accept the conditions.**Best Regards,  
Bellagamba FabrizioComelz S.p.A  
e-mail: [bellagamba@comelz.com](mailto:bellagamba@comelz.com)

Offer valid 60 days for:

Ortostep d.o.o.  
Ul. Svetog Leopolda Bogdana Mandića 111k  
31000 Osijek  
Croatia