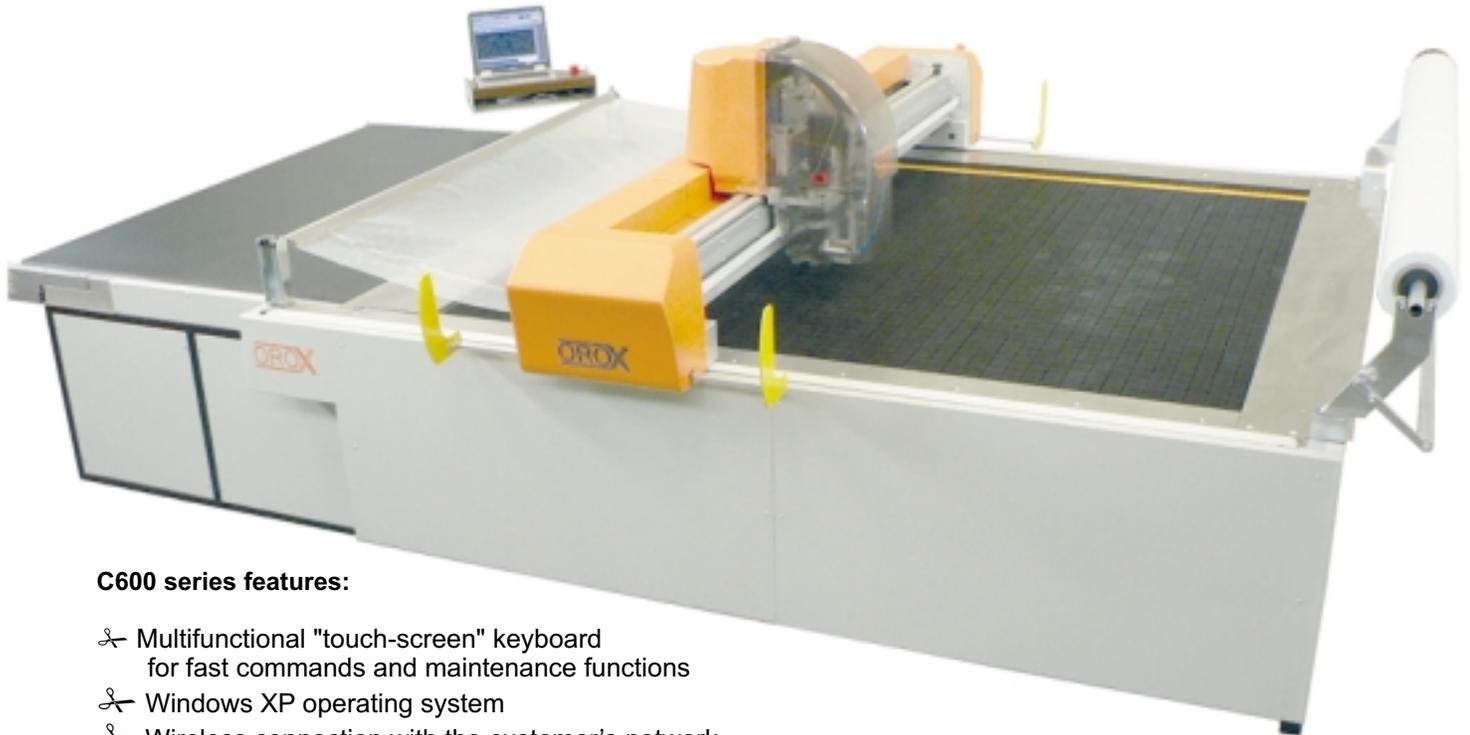


## Innovative engineering.

Flexocut F series conveyor cutting machine is based on a mechanical structure light and robust, equipped with a self-sustained robotic deck, containing all electronic and mechanic components. This allows an easy maintenance, removing connection errors and multiple cables.

The conveyor transport system enhances the transport capacity, eliminating charging brakes, so that the cutting machine works without stopping. Flexocut C600 series cuts flawless from single ply to 6cm of aspirated material.



### C600 series features:

- ✂ Multifunctional "touch-screen" keyboard for fast commands and maintenance functions
- ✂ Windows XP operating system
- ✂ Wireless connection with the customer's network
- ✂ Complete administration of the cutting files
- ✂ Cutting files optimization, common lines and cutting contours
- ✂ Open interface to receive cutting data from CAD systems in ISO, DXF and HPGL standard formats
- ✂ Notch adjustment: standard, internal or external V formats
- ✂ Cutting speed adjustment
- ✂ Work sequence preview and cutting simulation
- ✂ Permanent tracking of the operating parameters: speed and aspiration
- ✂ Blade consumption tracking with blade change warning
- ✂ Cutting start point on contour adjustment
- ✂ Settings files management for cutting parameters
- ✂ Laser positioning device
- ✂ Automatic adjustment of the marker alignment
- ✂ Integrated aspiration device for better fixing of the cutting parts
- ✂ Air exhaust with silencer and filter
- ✂ Automated cutting surface cleaning system
- ✂ Cutting conveyor with programmable speed and movement reversing
- ✂ Integrated evacuation table with conveyor synchronized or separate speed
- ✂ Interchangeable drillers
- ✂ Self-diagnosis for possible errors individualization

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**Innovative engineering.** C600 series incorporates the Flexo robot, a self-sustained cutting machine, with motion control features, adjusting speed according to the angles and curves of the cutting parts. Using the most advanced electronically and mechanical technology, Flexocut C600 series are flexible machines adapted to multiple tasks in the textile and connected industries.

**Easy to use.** The commands and the software which control the Flexocut machines are based on intuitive pictograms, the functions are simplified for an easy and quick understanding of the machine, even by non expert operators

**Low resource consumption.** Trying to reduce the exploiting costs of the machine, a special attention was paid to the costs of energy needed to function. Inverter based electronically systems don't allow consumption peaks. The smart aspiration command system continually controls the power needed to fix the material on the cutting table

**Perfect blocking.** The conveyor cutting device is made of a flexible and compact surface, with rectangular brushes, planned to sustain the cutting material, and, in the same time, to allow a smooth penetration of the blade. The aspiration is distributed on the whole cutting surface, the design of these brushes maintaining the aspiration on the entire cutting area.

An EVAS (electronically vacuum sensor) special system allows aspiration optimization. An intelligent sensor will detect air loss in the cutting phase. The electronic system controls the debit, rising or diminishing the aspiration, keeping the material fixed on the cutting plan, with the pressure for blocking.

**Self-sharpening blade.** A new blade sharpening system, with electronically control and a single grinder keeps the blade sharp at all time. With the help of the electronically system, the sharpening angle can be modified. This special feature allows the cutting of adhesive materials or treated with finishing and specific coloring, metallic wire inserted materials, etc. The blade's wear is automatically corrected, the blade lasts longer and the cutting is always exact and even.

**Exact and even cutting.** The blade's special guiding, alongside other devices, keep the blade perpendicular on the cutting surface. The cutting speed is administrated to keep the uniformity and dimensional precision between the first and last sheet of the layer, even for rough materials as Denim

**Fast cutting.** The quick data inserting functions and the fast cutting make the Flexocut C600 series a highly productive machine

**Error pointing.** All the system's elements are constantly monitored and the possible errors are pointed and showed, allowing the quick rebuild of the normal conditions. The pointing helps in tracking down the flaw, allowing prompt interventions of the EuroCAD qualified personnel through remote assistance.

## Technical characteristics C600 series

- Standard cutting windows: 180x200cm; 200x200cm; 220x200cm; 240x200cm
- Other cutting and evacuation windows available on demand
- Functioning temperature: between +10 °C and +30 °C
- Electric power: three-phase, 400V 50Hz +/-10%
- Cutting height: 6cm compressed material
- Pneumatic consumption: 150 L/min 6 BAR
- Standard evacuation tables: 160 cm
- Humidity: between 30% and 80%
- Installed power: 20 Kw
- Cutting speed: 60 ml/min
- Acceleration: 0,5 G
- Noise: <80 db

## Optiuni:

- HD: termic driller
- CODE: forced blade cooling device
- CSM (control step motion): continual step conveyor movement
- FLESE (flexion sensor)
- BARC: bar code reader to automatically insert marker data
- EDIT CUT: software to modify ISO formats
- T.MOV: motorized lateral movement kit to power the machine from multiple layer tables

