

## Perfect cutting by laser allows:

- clean and closed edges
- high speed cutting
- diagonal 1 mm high end precision
- extremely low after sale costs
- widths in 2m, 3,5m or 5m available
- any length on a fixed table or conveyor like 3,5 x 8m or 5 x 5m with xxl software to cut 20m or more.
- Also available with blade cutter or drilling tools.



# Lasercut LR50 CAD – CAM

## Cutting with conveyor and laser - LR 50

## Cutting on a fixed table with laser and motorised round blade - LR-BF

## Cutting with conveyor and motordriven blade - R 50

- max. cutting width up to 5m
- max. cutting length 20m and more
- height of the cutting base 100cm
- aut. unwinding and feeding system available
- special unwinding system for stretch materials also available, as well as basic unwinders. Choose out of 7 systems.
- Blade cutting additional available on fixed table machines.
- Software for cutting optimisation
- Storage for all parameters for each material like speed, power, focus, vacuum, cooling.
- Nesting software, Microsoft licence
- Autocad 2D basic and DFX datatransfer
- Connection to your server possible, CAD, parametric pictures to create easily yourself cutting designs.
- 0 – point start

### Further we may supply:

- The videosystem 'Extractor' allows to cut by camera
- or centering system or projection of the cutting line
- or barcode
- assistance via internet

You may also place manually pieces on the machine to cut or you may choose out of 7 unwinding and feeding systems according to your demands.

Just ask us, we have done already many proofed solutions.

If you are looking for a solution in heavy machines, we do it for more than 15 years – proofed as stable and performed.

Just now we are also offering smaller systems of 2 m.

# LR / R 50 – unwinding

In series we deliver an unwinder free running easy on a ballbearing system. Just insert the delivered tube inside your cardboard tube inside the material roll and place it at the front of the machine.

## Special features:

Pic. 1 shows an unwinder with motorised driven wheels with or without centering system, synchronised. The winder can be driven in and out on rolls - with an easy to operate pneumatic docking station.

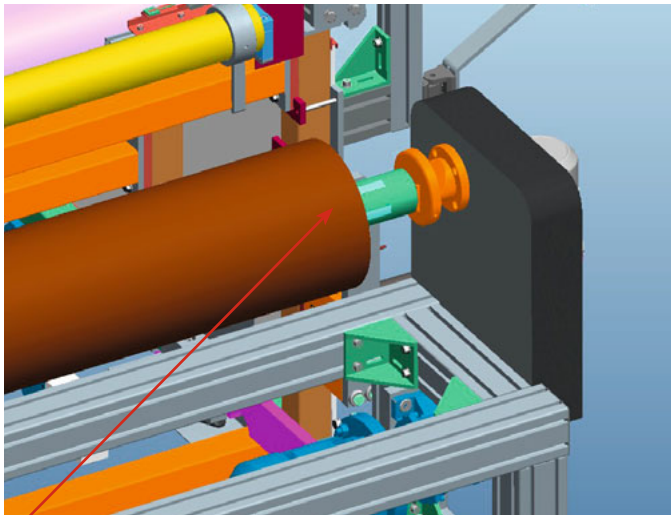
Pic. 2 shows a synchronised motor driven bar with air-expandable clamps from inside.

Pic. 3 shows a bar with cones on driven rollers right/left.

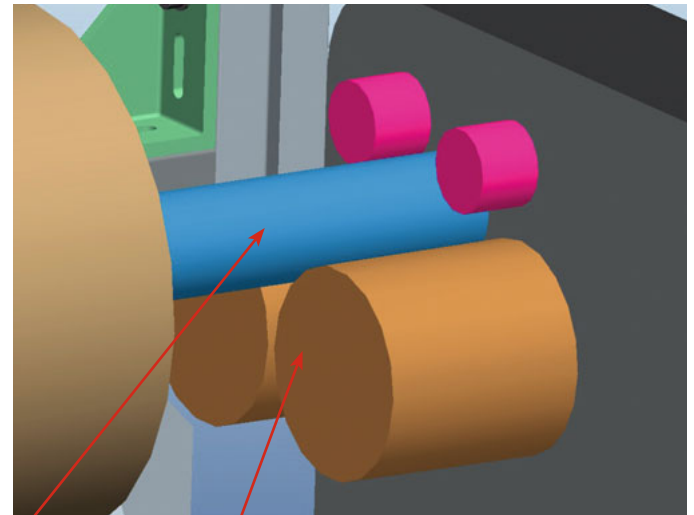
The same pic. shows also the system with the free running bar - standard version.



Pic. 1



• air expandable inside pressure bar synchronised motor driven Pic. 2



• bar • synchron driven wheels Pic. 3

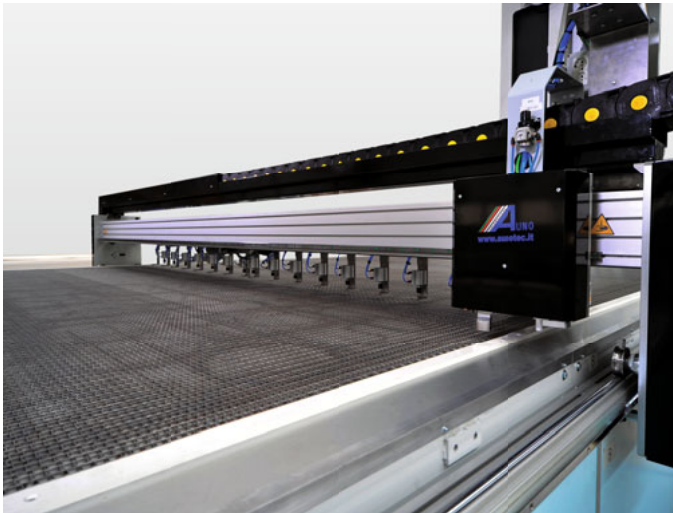
# Lasercut LR50 CAD – CAM



Pic. 4

## Impressive and unreachd cutting results:

- white is white
- brown edges belongs to the competition
- optimized cooling system from below provided by a honey comb grid
- optimized cooling system from the top
- experience of more than 15 years in building of laser machines for high-sophisticated cutting results.
- perfect vacuum system to fix the materials
- precise cutting results +/- 1mm diagonal.



Pic. 5

## Unwinding the material

as descibed before - the material will be pulled automati-  
cally by clamps from the roll.  
See the design on the left picture.

Optinally we deliver the machines up to 5m also with a  
conveyor system - made especially out of the „honey-  
comb grid“ stainless steel material.  
This conveyor offers all possibilities - even in cutting xxxl  
cuts on a regular sized machine.

# Lasercut LR50 CAD – CAM

Art.No.	Equipment
6.LR50.3530C	Laser machine 350 x 300 cm with vacuum device, conveyor machine, laser Basic features: Laser 100 Watt, table base: stainless steel net for laser cutting, Basic CAD Software, Vacuum Pump 5,5 kW with inverter control, Pressure Clamp in input with 3 m pressure roller, Pressure Clamp in input, Longitudinal vacuum section, Transversal vacuum section, Blowing tube in Stainless steel at the end of the table, Control of the air pressure inside the laser, Laser Barrier Security, Remote Connection to the machine for remote assistance
6.LR50.1M>C	Additional length each m on a 3,5 m wide machine
6.LR50.2M>C	Additional length each 2 m on a 3,5 m wide machine
6.LR50.35x30	Laser machine 350 x 300 cm with vacuum device, fixed table Basic Features: Laser 100 Watt, table base: stainless steel net for laser cutting, Basic CAD Software, Vacuum Pump 5,5 kW with inverter control, Vacuum System to stop the fabric in front of the machine, Longitudinal vacuum section, Transversal vacuum section, Control of the air pressure inside the laser, Laser barrier security
6.LR50.1M>>	Additional length each m on a 3,5 m wide machine
6.LR50.2M>>	Additional length each 2 m on a 3,5 m wide machine
6.LR503530CB	Laser machine 350 x 300 cm with vacuum device, fixed table Basic Features: Motorized round blade cutter, table base: long life cutting base for round blade cutting belt, Basic CAD Software, Vacuum Pump 11 kW with inverter control, Pressure clamp in input, Longitudinal vacuum section, Transversal vacuum section, Laser barrier security, Remote Connection to the machine for remote assistance
6.LR50.1M>CB	Additional length each m on a 3,5 m wide machine
6.LR50.2M>CB	Additional length each 2 m on a 3,5 m wide machine
6.LR50.CLAMP	PRESSURE CLAMP IN INPUT to stop the fabric: for fixed table
6.LR50.BLADE	Round blade cutter tool for fixed table

# Lasercut LR50 CAD – CAM

Art.No.	Equipment
6.LR50.B3530	table base 3500x3000: long life cutting base for round blade cutting, plastic material, scratch resistant coated on both side, to put manually on the table: for fixed table
6.LR50.B3540	table base 3500x4000: long life cutting base for round blade cutting, plastic material, scratch resistant coated on both side, to put manually on the table: for fixed table
6.LR50.B3550	table base 3500x5000: long life cutting base for round blade cutting, plastic material, scratch resistant coated on both side, to put manually on the table: for fixed table
6.LR50.B3560	table base 3500x6000: long life cutting base for round blade cutting, plastic material, scratch resistant coated on both side, to put manually on the table: for fixed table
6.LR50.VP11	VACUUM PUMP 11 kW, provided for the cut with a knife around
6.LR50.ROLLS	n° 2 undriven aluminium rolls in front of the machine 3500 mm width (at the same height of the table) roll with maximum weight of 50kg. Unrolling for simple and easy rolling of the fabrics to be processed. Free running without motor drive - 2 adjustable (min 50 - max 90 mm) reel rollers and the vacuum (vacuum field 2-piece, right and left separately operated on the pedal, hanging bar passage or photocell) on the leading edge provide a clear processing, because the clamp bar can be eliminated by the vacuum - nevertheless a fixation by all textiles via the vacuum box is possible (materials for fixing, when the vacuum is not sufficient). Plus 4 weights with handle for high permeable materials + Self centering system to reduce the off-set
6.LR50.PHOTE	HIGH sensitive photocell to read the transparent fabrics
6.LR50.PHOTO	HIGH sensitive photocell to read the regular fabrics
6.LR50.CUSTO	Customization for plotter height 90 cm
6.LR50.UNW35	Unwinder 3500 width standard with pendulum system
6.LR50-AT	Unwinder 3500 width with pendulum system with possibility to extract the unwinder and automatic system to clamp it on the machine booth mechanical, electrical and pneumatic – Movement : 1) pneumatic expandable pipe 2) free on ball bearing
6.LR50.CEN35	SELF CENTERING SYSTEM 3500 width system to reduce the off-set
6.LR50.200W	LASER 200 W POWER - water cooler - upcharge to standard 100W
6.LR50.80W	LASER 80 W POWER - water cooler - price reduction to standard 100W
6.LR50.60W	LASER 60 W POWER - air cooler - price reduction to standard 100W
6.LR50.50W	LASER 50 W POWER - water cooler - price reduction to standard 100W
6.LR50.25W	LASER 25 W POWER - air cooler - price reduction to standard 100W

# Lasercut LR50 CAD – CAM

Art.No.	Equipment
6.LR50.SCAN	When the machine is “ready for scan head” you can sell the scan head LIKE OPTIONAL EQUIPMENT
6.LR50.SCAN1	Preparation of the machine for later extension to a scan head laser incl. reinforced bridge. Upcharge for possibility of a further extension to scan head.
6.LR50.SUPP1	Support at the end of the “table” (length 50cm) to facilitate removing material with air blowing device between the conveyor and the “table” added - fixed wooden base
6.LR50.SUPP2	The same as 6.LR50.SUPP1. But movable bracket at the end of the machine with electrical cylinder and button to move up and down the cylinder
6.LR50.PROTE	Operator protection in Plexiglas at the front area
6.LR50.AXE-Y	Transversal Y axes laser pointer in the front machine as reference
6.LR50.DPSPR	Red Projector with the software + one license of the sw
6.LR50.DP.SP	Green projector the software + one license of the sw
6.LR50.003	Radio command for projector
6.LR50.SW.0	Software CAD to manage parametric pictures, optimization
6.LR50.DPSP1	Software to manage on the table projection of a line not cut
6.LR50-DPS13	Software to manage special XXL file with special cycle
6.LR50.PC	Tablet PC to manage the machine in remote included router, tablet configuration, software for remote connection to the machine
6.LR50.RE	Air blowing tool to better remove the cutting scrap from the table.
6.LR50-INK	Ink jet marking with UV INK single pump (this is a not covering ink)
6.LR50-INK1	Ink jet for Pigmented ink with DOUBLE PUMP suitable for filtering production or where you need a covering ink (suitable for filter industry)
6.LR50.JOYST	Joystick with added function to move the zero point of the machine plus camera and sw to see directly in the screen the red point pointer position.
6.LR50-BARC.	Barcode reader + software: - barcode type: CODE039 - barcode format: A fabric number (8 characters) width (4 characters) height (5 characters) number of pieces (4 characters) Barcode software with fixed field to be read to improve productivity moving from a barcode reading directly to the execution of the cutting order , this means an added more simple cad plus functions directly realized. All the modification must be quoted extra