*Fine*cut
LASER LINEAR

Finecut series lasers are created for the benefit of the companies, that start their operation in the field of laser cutters.

*Flash*cut
LASER LINEAR

Flashcut series lasers are dedicated to customers looking for efficient and universal laser cutters.

*Power*cut
LASER LINEAR

Powercut series lasers was designed to meet the expectations of the most demanding customers. Powercut laser is available in variants of up to 8 kW of power and allows for cutting with high efficiency.

*Extreme*cut
LASER LINEAR

Extremecut laser, thanks to its light gantry made of carbon fibres and the power of up to 12 kW is dedicated for customers, who expect extreme performance.

Technical Data

Finecut Series

Finecut Series Cutters of this series are dedicated to customers who appreciate high quality and performance and low purchase cost. A Finecut Laser can be perfectly applied in small or medium-sized company machining thin sheets.

Flashcut Series

Flashcut Series Industrial lasers of the Flashcut series are frequently chosen products by small and medium-sized manufacturing plants. The high degree of automation and exible control system provide fast and more efficient operation.

Powercut Series

Powercut series are the most powerful production cutters on the market. Powercut lasers are equipped with the innovative KIMLA control system with all the possible functions, which allows you to achieve the highest operating speeds up to 5m/s.

Extremecut Series

Extremecut Series Extremecut series lasers are equipped with a very light and rigid bridge made of Carbon fibre composites. They allow you to achieve peak performance.

	Finecut	**Flashcut**	**Powercut**	**Extremecut**
Laser specification				
Laser power	up to 3kW	up to 6kW	up to 15kW	up to 20kW
Work area	1000 x 2000 mm	1500 x 3000 mm 2000 x 4000 mm	1500 x 3000 mm 2000 x 4000 mm 2000 x 6000 mm 2000 x 8000 mm 2000 x 10000 mm	1500 x 3000 mm 2000 x 4000 mm 2000 x 6000 mm 2000 x 8000 mm 2000 x 10000 mm 2500 x 3000 mm 2500 x 6000 mm 2500 x 8000 mm 2500 x 12000 mm 3000 x 10000 mm
Linear drives	✔	✔	✔ (HP)	✔ (HP)
Automatic pallet changer	✖	✔	✔	✔
Safety laser barriers	✖	✔	✔	✔
Doors on all sides of the laser	✔	✔	✔	✔
Dust separator with Ultraweb filters	✖	✔	✔	✔
Adjustable focal distance of the head (zoom)	✖	●	✔	✔
Automatic height adjustment	✔	✔	✔	✔
Control and software				
CAD/CAM/NEST/CNC Control System	✔	✔	✔	✔
Nesting with production management	●	1 station	1 station	2 stations
Connection with ERP system	✖	●	✔	✔
Flycut	●	✔	✔	✔
Pallet position control, servo	✖	✔	✔	✔
Automatic switching of suction zones	✔	✔	✔	✔
Dynamic vector analysis	✔	✔	✔	✔
Frequency of position adjustment	20kHz	20kHz	20kHz	20kHz
Electronic adjustment of the gantry angle	✔	✔	✔	✔
Parametric beam modulator	✔	✔	✔	✔
Common cutting lines	✔	✔	✔	✔
Material position detection	✔	✔	✔	✔
Detection of a nozzle travelling off the sheet metal	✔	✔	✔	✔
Too low a gas flow detection	✔	✔	✔	✔
Collision detection with automatic resumption	✔	✔	✔	✔
Frog jumping	✔	✔	✔	✔
Smooth processing of splins and polylines	✔	✔	✔	✔
Absolute straight-edge with the resolution of 1 nm	✔	✔	✔	✔
Double-sided gantry drive	✔	✔	✔	✔
Automatic cutting off with edge control	✔	✔	✔	✔
Pipe machining system	✖	●	●	●
Printing head for describing details	✖	●	●	●
Scanning head	✖	●	●	●
Automatic nozzle change	✖	●	●	●
Speed, efficiency, accuracy				
Operational speed values	up to 150 m/min	up to 180 m/min	up to 230 m/min	up to 230 m/min
Positioning length	0.03 mm	0.03 mm	0.02 mm	0.02 mm
Repeatability of positioning	0.001 mm	0.001 mm	0.001 mm	0.001 mm
Additional information				
Warranty	24 months	24 months	24 months	24 months

✔ - is in standard   ● - an option   ✖ - not available