

ARGES LG-3D/5D LASER CUTTING AND MARKING SYSTEM

*To us, denim is not just a fabric;
it's a blank canvas that allows us to apply
ideas, visions, research and creativity...*

arges[®]
LASER SYSTEM

SALES & SERVICE IN INDIA PROVIDED BY:
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Give your denim new life...



HIGH SPEED
HIGH PERFORMANCE
HIGH QUALITY



ARGES LG-3D/5D

Today, not only do manufacturers shape their manufacture through profit maximization but also through social responsibility awareness such as efficient use of environment-friendly energy resources. In accord with this aim, ARGES offers 300, 500, 700 watt power options in new generation LG-3D / LG-5D series laser machines combining its laser manufacture experience of 20 years with the cutting-edge technologies of today. In addition to that, they allow faster and more ergonomic use with two options; four-panelled automatic loader cabins and security sensor-fitted cabins.

Protection of human health and environment is a substantial priority for Arges. For that reason, our objective is to minimize the effects of conventional denim methods, namely chemical and dry processes. Human health, environmental matters and ergonomics have significant roles in developing and manufacturing our new machines. Our effort, mainly, is to reduce our ecological footprints even more, and to use the sources, provided by nature, as efficient as possible.



ARGES LG-3D

Minimum Energy Consumption Maximum Power

Less energy consumption, enabled owing to efficient systems, assists you in responding to business-related demands expeditiously and lucratively in the competitive markets, which are becoming more and more rougher nowadays. It is possible to observe the cutting, burning, marking, and engraving speeds delivered by high-efficiency CO2 lasers. Flawless serial productions are ensured through high precision at high speeds. Double perfection of laser beam with adjustable sharpness, designed for more efficient operations, and optional "second guide light" is now available. Second guide light will provide a remarkable saving of time and delivery speed since it enables a manufacturing process without "start-stop" sequence.

- *High Efficiency*
- *Excellent Cutting and Marking Quality*
- *Low Operating Costs*
- *Reliability*
- *User-friendly Control Panel and
New ARCON - HDR SOFTWARE*

3D+ Optical System

Equipped with the galvanometric motor technology, Arges is a laser system that can deliver laser beams within milliseconds in any desired spot diameter, to any desired point, and at any desired time thus gives you the opportunity to operate at full capacity and puts an end to performance-related time losses. The new "3D+ Optical System" rapidly changes an automatically-focused beam diameter through specialized software programs. This feature offers better transitions, thinner lines and greyscale. Our beryllium galvanometric mirrors used in directing light allow the perfect accuracy of the pattern reflected onto the piece owing to their lightness and speed.

Technology and Quality

Arges, manufactured by the use of worldrenowned, long-lasting and high quality laser tubes, is designed to operate non-stop and with precision even under hard conditions. The body and components of Arges are processed on special CNC machines with precision. In addition to that, Arges, assembled by expert engineers, is tested by advanced technology testing and measuring devices at manufacturing and assembly stages.

Arges provides your company with automation and the elimination of any manufacturing-related errors. You can reduce your costs through 24 hours serial manufacturing. More particularly, you can save time on “cutting, burning, marking and engraving” processes performed by lasers. You can perform operations of “cutting, burning, marking and engraving” in the processes as to cutting jeans, shoes, wood, furniture, bags, leather clothing, belts, leather-crafts, leather and fabric accessories, embroidery, stone molds and such like materials; cutting paper and invitations, and embroidering textures and leather labels on quality smooth surfaces. Developed by the expert engineers of Best, Arges is the right choice when it comes to delivering excellent cutting speeds and comprising innovative technologies in every possible way.



ARGES LG-5D

Security in Every Respect!

We've taken every measure to ensure that your operations are facilitated and performed safely: With Arges, integrated with a barrier of area selectivity or IR screening security systems, you will be safe.

Support

With our professional and experienced team, we are with you anytime you need after sales support.

Installation on Site and Training

Any Arges Laser machine you purchase are installed and calibrated on site by our technical team. Your operators are trained with care for you to operate your machines correctly and trouble-free.

Barrier System for Work Safety

When the operator want to interfere in the work area during the working of the machine, the machine automatically stops owing to the security barrier. This is s security-friendly convinience.

Projector

The projection system is processed simultaneously with in the laser cabinet the full image of the scene to be machined is reflected in the preparation section outside the cabinet. This allows uninterruptedly and perpetually operation of the laser.

Manual Intervention of the Enclosed Area of the Machine

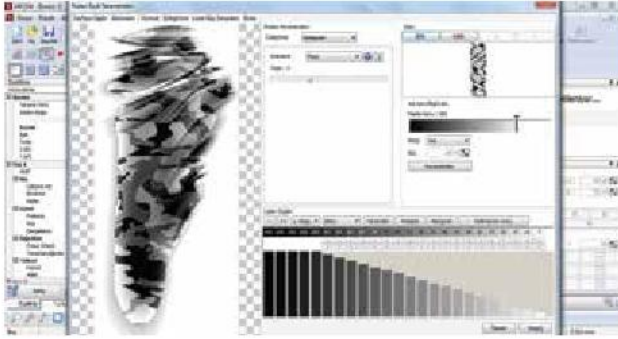
Where it is difficult to operate on products within the areas of the table systems for manual process can be act on by the closed area in the front for manual intervention.

Arcon Software Program

The Arcon software program was developing integrated into the machine, thus it has enabled to making it easier usage.



ARCON Software



Arcon software that provides support in every language can be used in your own native language for a better understanding.

Arcon software is an ergonomic and user-friendly software that establishes a perfect control through many auxiliary devices like drawing tools, which offers the opportunity of sizing and pattern designing, and a simulator, which calculates the completion period of the pattern to be processed at a given speed and processing conditions.

With Arcon paint, you can easily draw designs as seen below as well as designs of your own using ready-to-use brushes. You can use the designs presented in the archive, and add textures on them.

Formats supported by ARCON

DXF, DWG, PLT, HPGL, WMF, DST, DSZ, BMP, PNG, JPG, TIF, PCX, GIF

Best Machine, Best Price

Holding unique design, technology and quality of the machines of its own manufacture above all, Arges offers its advantage of high manufacturing capacity owing to its speed and ergonomics to its customers...

Machine Model	LG-5D-X3	LG-5D-X5	LG-5D-X7
Laser Source	COHERENT / ROFIN LASER		
Laser Classification	Class IV		
Laser Power	J3 / SR25 Laser (750 Watt Peak Power)	J5 Laser (1000 Watt Peak Power)	J5-NB / IX45 Laser (1300 Watt Peak Power)
Laser Wave Length	10.6µm		
Laser Frequency	0.1-200 kHz		
Cooling System	Closed loop water cooling system		
Mirror System	30 mm + Galvo Dynamic Focal Axis +1 Automatic Elevation Tool		
Operating Area	1600 x 1600 mm ²		
Operating Sensitivity	10-20µ		
Z Axis Depth	300 mm-2200 mm		
Vector Speed	40.000 mm/sec		
Picture Speed	50.000 mm/sec		
Focal Length	Automatic distance-adjustable focus		
Control Software	Arges ARCON software		
Weight	1900 kg		
Item Dimensions	3700 mm x 3200 mm x 2350 mm		
Elec. Pow. Requirement	380V 50Hz Three-phase		
Electrical Power	6.0 Kw	9.0 Kw	9.0 Kw

Some of our References

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