L-SERIES
ROBOTIC LASER CUTTING SYSTEM

THE POWER AND ACCURACY OF LASER MEETS THE SPEED AND FLEXIBILITY OF 6-AXIS ROBOTICS FOR A CNC BEATING LASER SOLUTION

Modern laser cutting can be expensive. Using robots for laser cutting will provide substantial cost benefits compared to conventional CNC laser cutting machines. Robots are less expensive, require significantly less floor space and require virtually no maintenance compared to CNC laser cutting machines.

SYSTEM BENEFITS
Robot technology is advancing substantially and DRS has been at the forefront in developing new robotic software and technology to push the industry forward. Our recent advances in robotic laser technology have put us far ahead of CNC technology as well as robotic laser cutting tech from our competitors. You won’t find laser technology like DRS’s Motion Pro or Adaptive Power Control from any other robotics integrator. Connected with the latest in Fiber Laser Technology, We’ve created a 6-axis high speed with the accuracy and repeatability of a more expensive CNC laser system, but without the high cost, high maintenance and low flexibility that go along with CNC.

SYSTEM FEATURES

ADAPTIVE POWER CONTROL
Laser power can be adjusted to the speed of the robotic laser head improving cut quality and optimizing performance. No other robotic laser integrator has this technology.

HIGH PRECISION CUTTING
Cut quality on par with traditional 5-axis cutting machines but with flexibility CNCs can’t match through custom software and high accuracy robots

MOTION PRO
Custom KMT Software that eliminates the complexity of programming intricate shapes and paths

REMOTE MONITORING
Allows laser system diagnostics and status to be accessed from anywhere an internet connection is available.

HEAD FLEXIBILITY
The Laser Mech head offers outstanding flexibility and makes cutting even the most complicated parts a simple task. This flexibility simply isn’t possible on a CNC based laser machine.

www.drsrobotics.com
**DRS L-SERIES LASER CUTTING SYSTEMS**

**METAL CUTTING FIBER LASER**
- FANUC M-20 High Speed Robot
- IPG 500-4000W flexible laser
- 20 sq ft working area
- High speed cutting

**FIXED LASER SCANNER CUTTING**
- FANUC R-2000 Robot
- Rofin 100-2500W heavy duty laser with high speed scanner
- Heavy duty exhaust duct

**DUAL LASER PLASTICS CUTTING**
- Dual FANUC F-200ib robots
- Dual Rofin SCx 300W lasers
- Heavy duty exhaust duct
- Rotating part table

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