

CASE STUDY

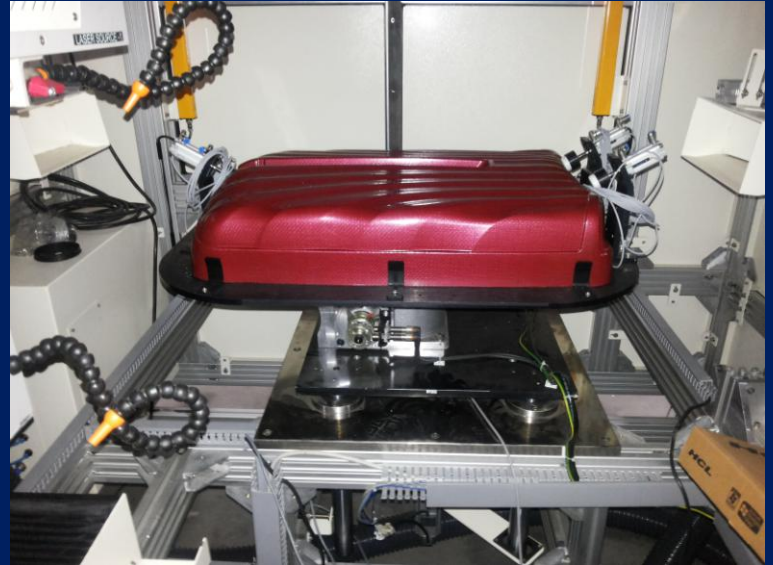
LASER THAT PERSONALISES THE PRECISION



EMPOWERING INNOVATION

Samsonite

, one of our long term client, is a globally acknowledged brand for travel luggage industry and known for its incredibly innovative suitcases and briefcases. Thanks to its illustrious craftsmanship, the company has been creating stylish and high quality solutions for the world traveller since past 100 years. Today, Samsonite continues to lead the travel baggage industry with the vision to impart design and innovation across the product categories. With the zeal of enhancing their operation, we SLTL India, have introduced 11 axes Laser cutting system, in order to execute very special and unique application to meet specified needs.



Major challenges:

- The cutting procedure of this special material – Carbon Fibre
- Forming composite plastic sheets into specific shapes and sizes
- Conventional approaches were not accurate to meet required exactness
- Special composite plastic required highly flexible machine with stipulated axes motion drive and rotation

Solution:

- Customized laser cutting machine is utilized
- 11 axes motion drives and 360° rotations are being set
- Dual Cutting head solution for simultaneous cutting operations
- Variable height adjustments

Result:

- With the laser cutting machine high flexibility has been achieved
- Flexibility has enabled design modification to be executed for desired times
- Easy interface takes less time in learning thus no training required
- Jigs and fixtures, inventories, wearing issues of tools, bur formation during cutting on edges and defects of conventional method have been significantly eliminated
- Dual cutting heads enabled high speed and accurate cutting procedure

QUOTE BY OUR CLIENT

“We were looking for a machine which could match the precision as exactly as we want. To process the composite plastic the accuracy must be maintained and that we got from SLTL’s laser cutting machine.”

Company Person -
Dr B. G. Kshirsagar
(Sr. Manager – Samsonite)