

EXPERIMENTAL STUDY OF THE HEAT AFFECTED ZONE (HAZ)
AND SURFACE ROUGHNESS ON LASER BEAM CUTTING (LBC)
ON ACRYLIC SHEET

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LIST OF SYMBOLS

- CO_2 : Carbon Dioxide
- R_a : Average surface roughness
- R_z : Average maximum height
- R_q : RMS roughness
- R_{max} : Maximum roughness depth

LIST OF ABBREVIATIONS

- LBC : Laser beam cutting
- CNC : Computer numerical control
- PCNC : Personal computer numerical control
- HAZ : Heat affected zone
- CLA : Centre Line Average
- DOE : Design of experiment
- RSM : Response surface methodology
- MSDS : Material safety data sheets