

Politecnico di Milano

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 POLITECNICO DI MILANO



Machine and Vehicle Design:

Master Thesis presentation

POLITECNICO DI MILANO, ITALY
DIPARTIMENTO DI MECCANICA





LASER TUNING OF SURFACE PROPERTIES

TITLE: Hydrophily of surfaces through laser patterning

RESEARCH ACTIVITIES:

- literature review of laser patterning for the study of molten plastic/solid metal interaction
- identification of a number of suitable patterns
- realisation of patterns through a femto-second laser source
- experiments and testing of the patterns

METHODOLOGY:

- scientific/technical literature review
- 3D modelling with Autodesk Inventor
- analytical/numerical/experimental activities

DURATION:

- 6/9 months

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LOCATION:

- Nonantola (MO)