

eNTSA

eNtsa is recognised as a prominent research, design and technology support unit for the advanced manufacturing sector in South Africa, based in Port Elizabeth at the Nelson Mandela University (NMU).

eNtsa's main focus is to support and stimulate engineering innovation in order to improve the competitiveness of local manufacturers which will enable industry exploit and development of new markets.

Growing the manufacturing economy in South Africa holds the key to sustainable job creation and improved quality of life. This forms the drive of eNtsa to provide innovative research and advanced technical training for support to the local manufacturing industry according to international best practices.



eNTSA

TECHNOLOGY COMPETENCIES AND OFFERINGS

- **Development and Design**
- **Material and Mechanical**
- **Product Engineering**
- **Process Control and Automation**

Development and Design

Mechanical design
3D Modelling
Finite Element Analysis (FEA)
Rapid prototyping

Material and Mechanical

Mechanical Testing (e.g. Chemical, tensile, fatigue)
Residual stress analysis
Portable x-ray diffraction (non-destructive)
High speed hole drilling (semi-destructive)
High speed camera

Product Engineering

Product and process development
Fatigue analysis
Failure analysis

Process Control and Automation

Automation
Quality Control
Robotics
Vision

Small and Medium Enterprises Development

eNtsa provides support for enterprises in the first, second and emerging economy (SMEs) within the engineering and manufacturing sector, with a specific focus on the automotive components component sector with the aim of making South African automotive industry more globally attractive.

CONTACT DETAILS

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