

TECHNOLOGY STATION IN CHEMICALS (TSC)

The Technology Station in Chemicals (TSC) is situated at Mangosuthu University of Technology (MUT) in Umlazi. MUT provides technological support and promotes innovation for Small Medium Enterprises in the Manufacturing and Chemical sector.



TECHNOLOGY STATION IN CHEMICALS (TSC)

TECHNOLOGY COMPETENCIES AND OFFERINGS

- **Environmental Pollution Control**
- **Pilot Batch Processing Unit**
- **Process Design and Development**
- **Product Design, Development and Improvement**
- **Setting Product Quality Standards**
- **Technology Audits**
- **Technology Information Support**
- **Training**
- **Waste and Effluent Management**

Environmental Pollution Control

Conduct Environmental Impact Assessments.
Provide Quality testing services on water (and wastewater), effluent and soil samples.
Tests conducted include; BODs, CODs, DOs, inorganics (metals and salts); presence of microorganisms, algae and organics.

Pilot Batch Processing Unit

Demonstrate optimal batch mixing techniques for high-quality production. Production of soaps and detergents and cosmetics.

Process Design and Development

Assist in designing new processes to gain a competitive edge and develop (improve) existing processes for increased efficiency and throughput.

Product Design, Development and Improvement

Provide assistance in designing 'tailor-made' products for specific markets (Product Formulation Services) and improve performance and characteristics of existing products for increased competitiveness.

Setting Product Quality Standards

Improve quality standards through product testing and product formulation services.

Technology Audits

Provide assessment on the status of technologies in use and provide strategic direction for technology upgrading and/or acquisition where necessary.

Technology Information Support

Provide information and advice on new trends in product quality, product and process developments, local and international markets, and viable technologies.

Training

Internship

Waste and Effluent Management

Small and Medium Enterprises receive training on techniques and methods that can be used to control effluent volumes (move towards zero effluent) and reduce contaminant levels.

CONTACT DETAILS

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