



Agricultural Research Council –Vegetable and Vegetable and Ornamental Plants
(VIMP) R573 KwaMhlanga/Moloto Road, Roodeplaat, Pretoria

QC Facility Benches Specification

NB. Supplier must give detailed quotation indicating exactly what is quoted for and the type of material that will be used for the following benches, as this will assist us in evaluating the quotations accordingly.

Building A6 room 15

- Supply and install 4 x new benches

Design for the 4 benches for high end analytical equipment (UPLC-QTOF-MS, UPLC-TQD-MS, GC-MS):

Example of Bench 1 design and tap:



Bench 1 (working bench)

- Positioned in the middle
- Bench dimensions (3 m length x 1.5 m width)
- Cupboards in white colour
- Countertop must be made of epoxy resin which is a chemical-resistant, non-reactive, and easy-to-clean material suitable for laboratory use
- Countertop material should be Grey.
- Includes sink (drop in epoxy lab sink) with bench mounted tap on one side of the bench- Connection to existing plumbing
- Cupboards (At least 6 cupboards each with 1 adjustable shelf. At least 10 drawers)- Colour of doors should be grey
- Capable of supporting a load of up to 500 kg without compromising structural integrity or mobility
- Frame: High-grade steel for durability and resistance to corrosion.

Bench 2, 3, and 4 should be movable

- Equipped with heavy-duty casters/wheels, at least four in number, with locking mechanisms to ensure stability when stationary.

Bench 2

- Bench dimensions 1,2m width x 2,2m length
- Must be able to withstand 350 kg
- Bench with one cupboard (one adjustable shelf) on one side end.
- Countertop material should be epoxy resin which is a chemical-resistant, non-reactive, and easy-to-clean material suitable for laboratory use

Bench 3

- Bench dimensions 1,2m width x 2,2m length)
- Must be able to withstand 350 kg
- Bench with one cupboard (one adjustable shelf) on one side end
- Countertop material should be epoxy resin which is a chemical-resistant, non-reactive, and easy-to-clean material suitable for laboratory use

Bench 4

- Bench dimensions 1,2m width x 2,2m length
- Must be able to withstand 60 kg
- Bench with one cupboard (one adjustable shelf) on one side end
- Countertop material should be epoxy resin which is a chemical-resistant, non-reactive, and easy-to-clean material suitable for laboratory use

Load Distribution and Stability:

- Reinforced construction and distribution of load-bearing elements to ensure even weight distribution across the bench, minimizing the risk of tipping or instability.

Safety Features:

- Incorporate safety features like rounded edges, corner guards, or anti-tip mechanisms to enhance user safety during instrument handling and movement.

Compliance and Standards:

- Ensure compliance with relevant safety standards and regulations for laboratory furniture and equipment.

Warranty and Support:

- Full on-site installation, commissioning, and training
- Replacement of faulty or damaged components
- 10 years warranty on all laboratory furniture

Delivery and Installation:

- Specify delivery, installation, and setup requirements, ensuring that the bench is assembled correctly and safely on-site