

## **Labzone™ Laboratory Benching**

### **Highfield™ Bench Series – Specification**

**Highfield** Laboratory Benching Systems are supplied in modular form providing a secure and durable system which may be re-configured to suit utilisation or process requirements.

**Highfield** Benching Systems incorporate profiles and features to provide the optimum in operator comfort and safety while accommodating the processes of the modern laboratory.

**Highfield** Benching systems are supplied broken-down with all metal components ready for assembly and complete with hardware, attachments and easy to read instructions for the assembly and preparation of the system for service. Bench-top fittings: sink and tap ware cut-outs may be pre-cut at the customer's request; sinks can be pre-fitted where this does not offer cost implications or any risk of damage in transit or handling. (All sinks installed into pressure laminated bench tops are pre-fitted).

**Highfield** Benching Systems can be adjusted to accommodate building deformities and levelled through the use of the adjustment facility provided by the polypropylene feet.

#### **Specification and Description**

##### **Labzone™ Bench tops**

Bench top surfaces are: pressure laminated supported by a fibreboard substrate, Stainless Steel or manufactured from compact laminate sheet.

##### **Pressure Laminate**

**Labzone™** bench tops provide a surface laminate of Formica Chemtop offered in a variety of colours or 316 grade stainless steel (level 4 polish) supported by a substrate manufactured from two sheets of 18mm. industrial grade particle board. Bench tops may be either lipped or un-lipped, bull-nosed or square edged; splashbacks are available. Sinks are recessed into the substrate and over cut by the laminate surface. All non-laminated surfaces are sealed to prevent moisture, solvent or acid absorption.

##### **Compact Laminate**

**Labzone™** bench tops provide a self-supporting surface of compact laminate 16mm thickness in high or medium grade chemical resistant in a limited colour range. Benchtops are provided with a milled square edged; splashbacks are available. Sinks are installed onto the underside of the compact laminate.

##### **Sinks**

Sinks are offered in stainless steel, epoxy resin or polypropylene. Draining trays can be incorporated as required in conjunction with stainless steel sinks.

##### **Support Frames**

**Highfield** benching may be assembled into single depth wall attached or free-standing runs or back-to-back assemblies with common work deck. The support frames can accommodate suspended or free-standing cabinets underside and/or up stand of shelves or cabinets.

The standard **Highfield** system provides a standing clear internal width of 945mm. Components for the bench framing system are manufactured from powder-coated RHS steel of dimension 38 x 38 x 1.6mm. with welded tabs and pre-drilled holes. Swaged fittings are installed

for blind applications. Components consist of “H” frame profiles, intercostal ties, adjustable feet and hardware.

**Highfield** bench and Underbench units are designed and manufactured to allow maximum modularity and flexibility. Underbench units are designed to fit as single or double units within the optimal leg space of 940mm.

**Labzone™ Cabinets**

Suspended or free-standing cabinets are available to suit the standard 945mm frame lengths or half-lengths for multiple installations.

**Labzone™** system carcasses for drawer units, cabinet units, shelves are constructed from structural grade, moisture resistant medium density fibre board (MDF). Cupboard sides, ends, bottoms, divisions, tops, shelves, bases, doors and drawer fronts are manufactured from 18mm. MDF; backs are formed from 9mm MDF. (16mm for wall-fixed units) Drawers are manufactured with 16mm. sides and backs and 9mm. bottoms. All exposed edges are clashed with 3mm PVC clashing.

All joints are glued and counter-sunk (flush) screwed with finishing head caps. (No staples are used)

**Hardware**

All hinges, adjustable shelf supports, castors, drawer runners, sliding door tracks, floor glides and other hardware is of commercial quality and manufactured from stainless steel where possible.

Hinges provide for a 170° opening.

Handles are of the “D” “Grip type of nylon or burnished steel to the customer’s choice.

**Highfield** benching systems are covered by a twelve month warranty covering materials and workmanship.