

Product guide: Multi-Function Suction Table Option 5



The Multi-Function Option 5 has the essential features and reliability required for paintings and textile conservation. It is highly suitable for all sizes of mixed studio where paper and other flat media are also treated.

This variant is the most recent addition to our established and trusted Multi-Function series, with the same solid build quality, suction units and control components as the other options. It shares the same proven heating, suction and control technology, but without the built in climate control and circulation features.

Accessories such as an acrylic hood, humidifier unit, carbon filter and companion table are available. There is a choice of fixed height and height adjustable versions in a range of sizes.

APPLICATIONS

- Large area bonding (lining)
- Small area bonding and repairs
- Reduction of distortion
- Small area cleaning
- Stain removal
- Enhanced drying
- Suction hydration

The equipment can be used as an enhanced version of a traditional, solid-top heated lining table by covering most of the work surface with a sheet of carbon impregnated rubber, or aluminium.

CONSTRUCTION

- Corrosion resistant perforated aluminium work top, with a typical open area of approximately 40%.
- The perforated work top is mounted flush with the surrounding frame and will not deflect under pressure
- Work surface hand ground for flatness and finish.
- Perforated area surrounded by a non-air permeable perimeter to provide a seal for masking.
- Suction chamber and internal ducting of non-ferrous materials
- Fastenings of stainless steel and other anti-corrosive materials.

CONTROL PANEL

All the controls are in one location and clearly marked. The dials are of a good size and the action of the switches positive.



Top Row: Pressure differential readout, work surface temperature readout

Other rows: Indicator lamps, control dials and switches for suction, edge heating, work surface heating and safety heating cut out.

Air cooling selector valve to right

FEATURES

Suction

This is provided by a high volume, direct drive exhauster with an electronically regulated, variable speed motor. The digital display mounted on the control panel indicates the pressure difference in Millibar steps. A protective interlock prevents the motor being started up with the control dial set above its minimum setting.

Work surface heating

Closely spaced rows of enclosed elements are situated directly below the perforated work surface along with the sensors. There is a temperature setting dial and a temperature readout on the control panel.

Edge heating

This feature compensates for thermal loss at the perimeter of the table to ensure an even temperature of the entire work surface from centre to edge. The edge heater sensors are placed within the surround. The temperature setting dial is mounted on the control panel.

Safety Cut Out

If the temperature dial is accidentally moved, or in the unlikely event of component failure, the temperature rises above a pre-set margin, the system will turn the power supply to the heating elements off.

A typical heating time should be approximately 20 minutes for a rise from 20°C (ambient) to 65°C with the heat evenly distributed across the whole perforated surface.

By-Pass Cooling

When the by-pass cooling valve is opened, ambient air is drawn through the sub-surface ducting by the main suction motor. The air flow cools the work surface, ducting and heating elements and passes out through the exhaust port.

OPTIONAL FEATURES AND ACCESSORIES

Carbon filter

A replaceable activated carbon filter is built into the exhaust air system. The filtered exhaust can be vented into the room, or externally via a suitable hose connected to the exhaust outlet on the table. The filter cartridge is easily accessible for replacement purposes. A free-standing carbon filter is also available and can be fitted in-line at any time.

Height Adjustment

This feature is proving increasingly popular as the benefit of ergonomically efficient equipment becomes more widely recognised. Health and Safety is also an important consideration, especially with a workforce of mixed height users. Systems are either hydraulic or electric depending on table size:

- Continuous (stepless) height adjustment for accurate positioning of the work surface.
- Fully synchronised movement of all legs
- Very quiet action.
- Good load capacity.
- Usual range approximately 200 mm (8 inches)

This chart compares the built in features of the Multi-Function Table series:

Feature	Option				
	1	2	3	4	5
Refrigerative cooling	✓		✓		
De-humidification	✓		✓		
Humidification	✓	✓			
Full air circulation	✓	✓	✓	✓	
Cross flow cooling	✓	✓	✓	✓	
Suction	✓	✓	✓	✓	✓
Work surface heating	✓	✓	✓	✓	✓
Edge heating	✓	✓	✓	✓	✓
Duct heating*	✓	✓	✓	✓	
By-pass cooling					✓
Height adjustment (optional)	✓	✓	✓	✓	✓
Carbon filter (optional)	✓	✓	✓	✓	✓

** Duct heating fitted only by prior arrangement to 3 and 4*

Note: Whilst these tables are suitable for a wide range of textile treatments including small area and spot cleaning, the Multi-Function range is not specified for high volume suction washing. The Willard **Textile Suction Washing Table** has been specifically designed for the task. Please see the Willard website for details.

For friendly advice about our Multi-Function Suction Tables, or to discuss any other of our products, please contact:

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