

## Riley Ultrasonic Multistage Cleaning Range



Stock No	<a href="#">NEW190</a>
Manufacturer	<a href="#">Riley</a>
Model	Various
Year of Manufacture	NEW
Condition	Brand New, Unused, Current Model
Process Stages	2, 3, 4, or 5 stages are available
Other Info	Ultrasonic, Heated, Multi Tank Cleaning
External Dimensions (WxDxH mm)	Various

### Description

#### Riley Ultrasonic Multistage Cleaning Range

The Riley Ultrasonic Cleaning and wash range is available in 2-5 stages with 60-240 litre tanks possible. Built from 304 St: to see at an excellent price.

Rileys have chosen a standard configuration to cover the most common requirements we see from our customers but a w configurations can be accommodated. **Please see some prices below.**

***If you are looking to purchase a new Ultrasonic machine, We always advice to get an individual quote based on y the solution for you may differ from the Standard machine featured below.***



### **Fully Stainless Steel - *quality and durability***

The Riley Ultrasonic wash system is built around a stainless-steel rigid box section frame, greatly increasing the strength of the washing system. Constructed from high quality grade 304 stainless steel inside and out this cleaning plant will give excellent extended lifespan.

### **Wash Stages - *performance and flexibility***

This brand new multi stage washing system is ideal for a wide variety of cleaning applications. Stages can be incorporated including the following.

#### **Pre-Washing**

Pre-washing is generally used for very dirty and greasy parts before precise cleaning. Removing rough contamination here reduces cleaning chemical consumption later in the cleaning process.

#### **Ultrasonic Cleaning**

Ultrasonic cleaning is designed to reach parts of components that are normally very difficult to reach. Small holes in components can't always be cleaned with a brush or jet wash machinery but can be using ultrasonics.

A series of ultrasonic transducers are mounted on the base of the wash tank and vibrate with a frequency of 28kHz to remove the most difficult to get to places.

This stage can be heated to further improve cleaning performance.

#### **Rinsing**

After washing chemical residue can remain on the surface of the parts after cleaning which might contaminate later production. These chemical residuals rinsing can be used either by a closed circulation system or by continual fresh water supply.

#### **Passivation**

Clean parts may need to be protected against oxidation (rust) before they move on to other stages of production or distribution during a passivation stage.

#### **Drying**

Once clean, parts can be dried using hot air or vacuum drying, depending on the geometry of the parts.

### **Insulated - *energy savings***

The Riley Ultrasonic washing system has 20mm thick thermal insulation installed on all heated fluid and drying tanks. Insulation is industrial grade glass wool which provides excellent insulation performance. With insulation fitted to all heated tanks this offers significant savings due to lower energy consumption.

### **Tank Heaters - *up to 80°C***

All heated fluid tanks are heated by externally tank bonded silicone rubber heaters. The bonded heaters are regulated by a digital readout/display allowing fine control in a temperature range of ambient up to 80°C.



### **Control Panel - easy to use**

An easy-to-use IP54 rated machine mounted control panel comes complete with the following control features.

- Fluid heaters on/off
- Fluid temperature controllers
- Ultrasonic washing timer controller
- Rinsing timer controller
- Low fluid level indicator light
- Mains power on light

The Marketplace for Surface Technology.  
New and Used Process Equipment & Machinery.

## Machine Datasheet



Available in 2-5 Stages  
60-240 Litre Tanks  
Flexibility for your Process



IP54 Rated  
Control Panel  
Easy to Use



High Quality 304  
Stainless Steel Construction  
Durability & Longevity



20mm Thick  
Thermal Insulation  
Performance &  
Efficiency

### Extended Guarantee - *for peace of mind*

A full 24 months parts guarantee comes with each new machine. 12 Months labour cover is also included.

### Available Models



Surface  
Engineering  
Association

Riley Industries Ltd  
A subsidiary of Barry Riley & Sons Ltd. Director: M P A Riley, Secretary: D Hemming  
Registered in England no. 1965748



European  
Association of  
Machine Tool  
Merchants

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Model No	Working Area (WxDxH mm)	Tank Capacity (Litres)	Stages	External Size (WxDxH mm)
Riley Ultrasonic 160-2	Basket 800 x 450 x 350	160	Ultrasonic, Rinse	2350 x 800 x 900
Riley Ultrasonic 160-3	Basket 800 x 450 x 350	160	Pre-wash, Ultrasonic, Rinse	3350 x 800 x 900
Riley Ultrasonic 160-4	Basket 800 x 450 x 350	160	Pre-wash, Ultrasonic, Rinse, Dry	4400 x 800 x 900
Riley Ultrasonic 160-5	Basket 800 x 450 x 350	160	Pre-wash, Ultrasonic, Rinse, Passivation, Dry	5400 x 800 x 900
Custom		60l - 240l	2-5 stages	

Image: Dimensions

### Fitted as standard

- Stainless Steel Baskets
- Insulated Hinged Lid with Gas Spring
- Pump Filter PKF 20
- Weir System with inline 20" Cartridge Filter and Spray Bar
- Automatic Filling Double Tank Washing
- CE Marked, UL marking as an option
- Low level fluid protection used to protect the ultrasonic transducers and heating elements

### Options available

- Dosing pump (timer or rate)
- Drip Tray
- Basket agitation
- Hand air gun

### Utility Requirements

- Mains Electric : Three phase + neutral + earth, 380-400 volts, 50Hz
- Mains Water Inlet : Via one ½" BSP manual ball valves
- Mains Water Outlet : Via two 1" BSP manual ball valves



### Custom Builds and Features

In addition to a well specified range of standard machines with flexible options Riley can design and build Ultrasonic machine specification. Example features on successfully delivered projects include:

- Drying stage
- Warning/end of process alarm and beacon light
- In tank contamination sensor

### Part Exchange

Part exchanges are available with any type of used machinery, i.e. washer, ovens shot blasters etc. Ask a member of staff

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**