

A close-up photograph of a Clifton magnetic stirrer. A glass Erlenmeyer flask containing a blue liquid is positioned on the stirrer's surface. The liquid inside the flask is being stirred, creating a greenish-yellow vortex. The stirrer is white with a digital display showing '10' in red. The brand name 'Clifton' and 'UNSTIRRED BATH' are printed on the side. The background is a solid blue color.

Clifton
UNSTIRRED BATH

MIXERS

MAGNETIC STIRRER MS

CERASTIRS CH

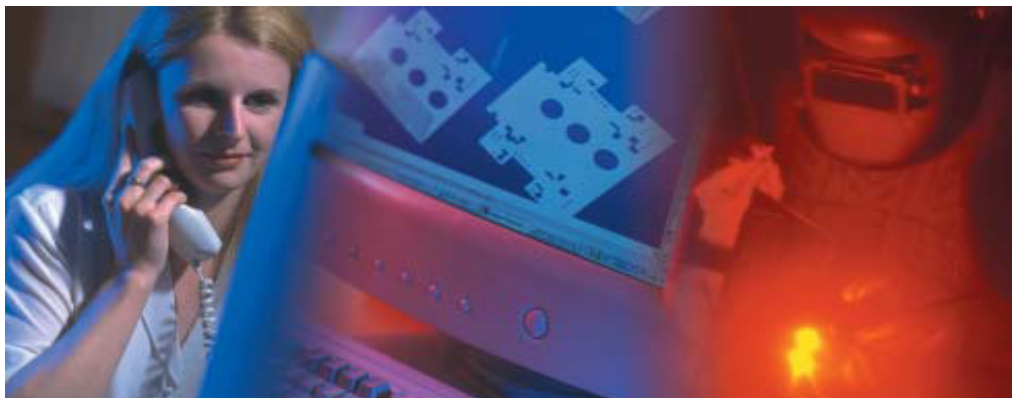
VORTEX MIXERS CM

ROTARY MIXERS RM

THE *Clifton* RANGE



NICKEL-ELECTRO Ltd.



Welcome to the *Clifton* range from Nickel-Electro

Nickel-Electro is a wholly independent, family owned company, based in the South West of England. We design and manufacture the well known Clifton Range of temperature control equipment and instrumentation, which includes unstirred, stirred, shaking baths, digital hotplates and the innovative Duobaths. Trading since 1941, continued investment and development has established Nickel-Electro as a leading manufacturer of laboratory instrumentation.

Our extensive design and production facilities feature state of the art 3D design, computerised punching and forming, powder painting and electrical and electronic assembly all fully supported by an integrated ERP manufacturing system, managing and coordinating the business within an ISO9001 environment. The complete manufacturing solution on one site, controlling the entire production process, a guarantee of quality.

Recognised as an 'Investor in People' our staff offer you high levels of skill and experience, having many years of service in the business. We believe in combining cutting edge technology with traditional skills and values and take pride in being a high quality precision UK manufacturer.

In addition Nickel-Electro manufactures a comprehensive range of laboratory consumables in a variety of materials including aluminium, stainless steel, nickel and zirconium. This complements the Clifton Range and provides our customers with a single source of many types of laboratory equipment.

Melvin Dickson

Managing Director



INVESTOR IN PEOPLE



SOLID EDGE
VELOCITY SERIES

radan

rainer **k3**

Our partners Providing world class innovative manufacturing solutions



MIXERS

MAGNETIC STIRRERS

VORTEX MIXERS

ROTARY MIXERS

ROTARY MIXERS

RM Series

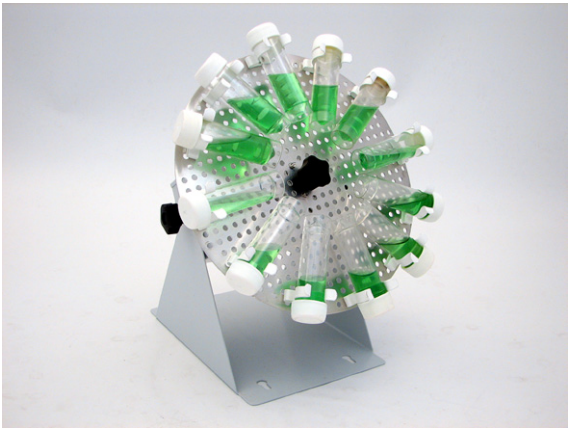
The Clifton range of tube rotators are available as fixed or variable speed models with a broad range of optional accessory heads available for mixing micro tubes, tubes or flasks.

The angle of mixing is fully adjustable and suitable for continuous or intermittent mixing.

Benchtop or wall mountable, saving space.

Features Include:

- * Angle of mixing head fully adjustable
 - vertical to horizontal
- * The range of accessories can also be autoclaved and allow for easy loading and tube removal



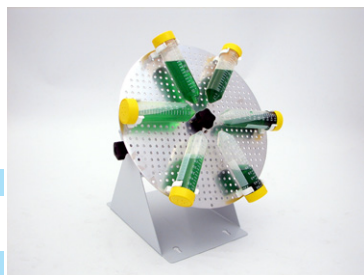
Cat.No .	RM-1	RM-2
Speed	30rpm	Variable 5-30rpm
Overall, dims	210w x 250d x 200h mm	210w x 250d x 200h mm
Vo ltage	230V	230V

RM-1 shown with RMD012 accessory.

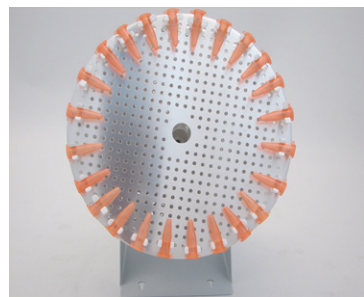
ACCESSORIES for RM series

End to End Mixing

Cat. No.	Description
RMD024	Disc complete with 24 clips for tube diameters 8-11mm
RMD012	Disc complete with 12 clips for tube diameters 15-17mm
RMD006	Disc complete with 6 clips for tube diameters 27-30mm



RMD006



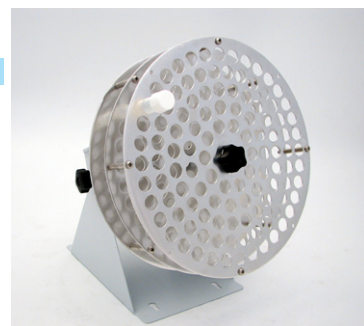
RMD024

End to End Mixing Carousel

RMD24-3	3 tier disc assembly complete with 24 clips for each disc - tube diameters 8-11mm
RMD012-3	3 tier disc assembly complete with 12 clips for each disc - tube diameters 15-17mm

Tumbling Mixing Carousel

RMD016	Carousel for tubes up to 16mm diameter
RMD025	Carousel for tubes up to 25mm diameter



RMD016

Flask Mixing

RMD-1	Rotary mixer disc
FC0025	25ml flask clip
FC0050	50ml flask clip
FC0100	100ml flask clip
FC0250	250ml flask clip

Service Support

At Nickel-Electro our customers can rely on good service throughout the life of their equipment and even give you the opportunity to download operating instructions that you may have mislaid.

Our service engineers are fully trained in the assembly and use of all Clifton instrumentation. Products can be returned to our comprehensively equipped service centre where a fast and efficient turnaround is guaranteed.

A full technical service is available.

We are keen to ensure that new and existing distributors are fully aware of our products. We can arrange training if requested.

Environmental Policy

We recognise our responsibility towards the environment and strive to ensure that all aspects of the business and its products have the least harmful effect on the environment by:

- * Designing products for long durable working life supported with comprehensive backup of spares.
- * Designing equipment using mainly metal based structures for easy conversion, recycling at the end of product life.
- * Designing equipment to reduce energy consumption during their working life.
- * Minimising waste in manufacturing and where it is produced compost, re-use or recycle.
- * Packing the Clifton range in EPI approved plastic bags, which are degradable or biodegradable.
- * Being fully aware of environmental legislation.

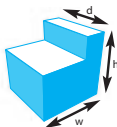
Anti-bacterial surfaces

Anti-bacterial finishes inhibit the growth of bacteria. It has been tested by independent specialist test houses such as the Law Laboratories (in the UK) using internationally recognized test methods and proven to be effective versus a wide range of bacteria species including *Escherichia coli* and *Staphylococcus aureus* (MRSA).

Hygienic coatings are part of a controlled approach to cleaner facilities. Within its formulation an active ingredient with proven anti-bacterial properties is bound into the coating. The efficacy of the finish applied to the Clifton range is maintained over its lifetime, as the anti-bacterial agent is integral within the paint or control panel.

In a busy laboratory environment, this finish effectively limits everyday bacteria transfer from operator to equipment and then on to other operators. This is one less source of contamination, contributing to essential clean working practices.

Key to Dimensions



Safety and product marking

Clifton range laboratory equipment carries CE mark indicating that it meets the requirements of applicable European Directives.

The Clifton range meets International Standards BS EN 61010-1, Safety requirements for electrical and electronic equipment for measurement, control and laboratory use.

Equipment used for heating additionally meets BS EN 61010-2-010 Particular requirements for laboratory equipment for the heating of materials.

Equipment used for mixing additionally meets BS EN 61010-2-051 Particular requirements for laboratory equipment for mixing and stirring.

Centrifuges meet requirements BS EN 61010-2-020 Particular requirements for laboratory centrifuges.

The Clifton range meets International Standards BS EN 61326-1 Electrical equipment for measurement, control and laboratory use - EMC Requirements both A and B classes.



Every piece of Clifton equipment has a unique serial number, recorded on our database with its manufacturing inspection data. Every item is electrically tested for safety, and a copy of test certificate enclosed in the instruction book.

Temperature performance

We pride ourselves on assuring that Clifton range performs to the highest level. All Clifton temperature controlled equipment undergoes temperature calibration, in controlled conditions, to thoroughly test its performance before release to you.

Analogue controlled equipment is checked at one temperature over its working range against a UKAS calibrated reference device. We adjust the equipment to reference temperature and check its operating sensitivity is within specification.

Digital controlled equipment is checked at two temperatures over its working range against a UKAS calibrated reference device.

Quality System

Our products are designed, developed and manufactured in a tightly controlled ISO9001:2008 environment and all products are CE compliant.



Certificate No. Q09820

Future Development

We have a policy of ongoing product development to ensure that tomorrow's laboratory is equipped with innovative, well-designed and reliable equipment.



For sales and support and service please contact Camlab...

Camlab Ltd

24 Norman way Industrial estate
Over
Cambridge
CB24 5WE

+44 (0)1954 233 100

+44 (0)1954 233 101

www.camlab.co.uk

sales@camlab.co.uk