

LEADERS IN SEPARATION TECHNOLOGY

We are worldwide leaders in fine mesh separation technology with over 60 years experience of providing solutions in more than 100 countries. In the USA and continental Europe, we have operated through subsidiary companies for over 30 years.

We are committed to understanding and meeting the specific needs of our customers by means of close collaboration, design innovation and the provision of facilities for testing their materials on Russell equipment.



Russell Finex Ltd., Feltham, England.



Russell Finex Inc., Charlotte, N.C., USA.



Russell Finex N.V., Mechelen, Belgium.

Take advantage of Russell Separation Technology and our extensive application experience.

Call us today to find out how the powerful and versatile Russell Eco Separator range can help solve your processing problems and transform productivity.

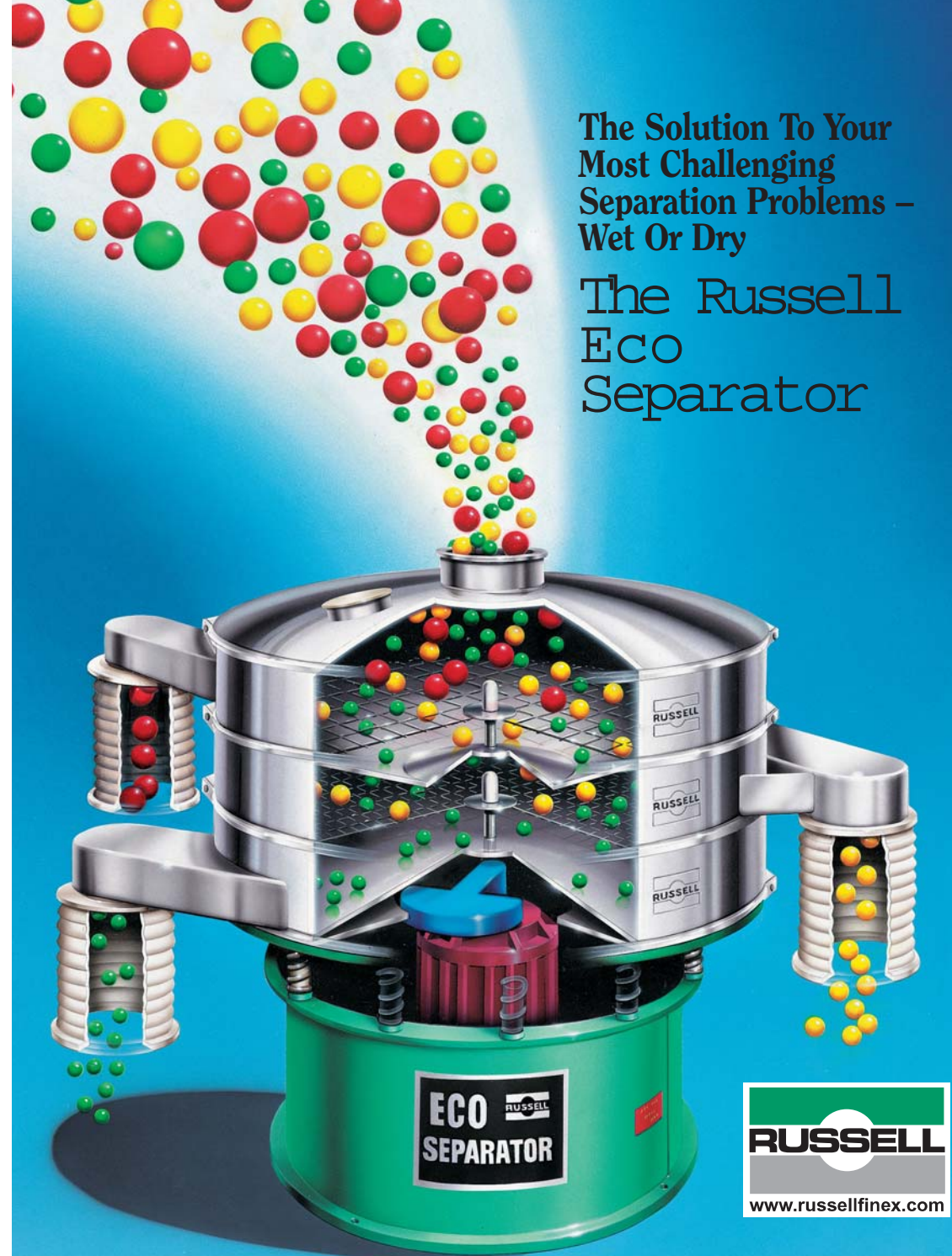


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RF103/01 Specification subject to change.



The Solution To Your
Most Challenging
Separation Problems –
Wet Or Dry

The Russell
Eco
Separator



Powerful Flexible and Proven... the Russell Eco Separator[®] can fulfil your most demanding requirements.

POWERFUL AND VERSATILE

The high performance Russell Eco Separator has been engineered to handle the most challenging application problems experienced by customers throughout the processing industries.

WET OR DRY MATERIALS

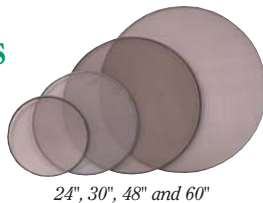
Sizing, scalping, check screening, dewatering or product recovery, whatever your specific needs. Russell's advanced technology and problem solving skills can provide a cost-effective solution

PROVEN SEPARATION TECHNOLOGY

Drawing on over 60 years experience of identifying and solving processing problems for customers around the world, we have applied our expertise and proven separation technology to the design of the Russell Eco Separator. Thus ensuring it will deliver the highest standards of operating performance and reliability.

WHATEVER YOUR SCREENING NEEDS

The Russell Eco Separator is manufactured in four sizes to match the requirements of a diversity of applications and throughput rates: 24", 30", 48" and 60" diameter.



24", 30", 48" and 60"

UNSURPASSED QUALITY

All machines conform to a single standard of quality – the best. All contact parts are fabricated in 316L stainless steel and a highly polished finish is applied to the decks, both inside and out. Consistency of product quality is assured by ISO 9002 accreditation, achieved in 1994.

MULTI-DECKING FACILITY

Depending on classification requirements, up to four screen surfaces can be mounted on one separator, providing up to five predetermined fractions in a single operation.

COMPACT DESIGN

Russell Eco separators fit neatly into production lines, providing substantial screening capacity without making excessive demands on floor area. The modular nature of the decking contributes to siting flexibility and the effective use of space. The oversize discharge spouts can be moved around a machine's circumference, allowing greater freedom in positioning collection bins.

SOLVING PROCESSING PROBLEMS WORLDWIDE

In over one hundred countries, thousands of Russell machines have been used on hundreds of applications. During the last sixty years, working closely with our customers, we have gained extensive experience and expertise in identifying and solving processing

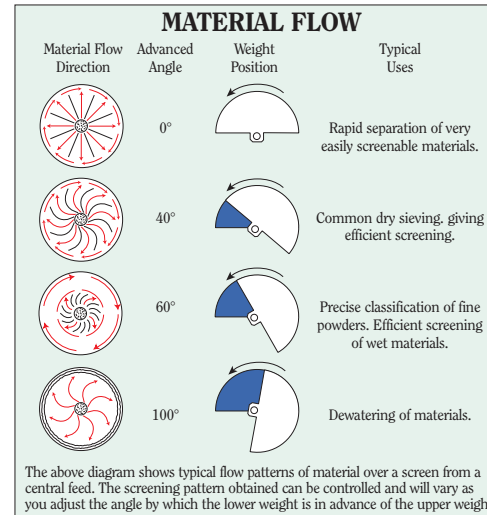


The Russell Eco Separator is designed to handle both solid/solid and liquid/solid separation. Dust-tight lids in 316L stainless steel are available as an option.

problems. Furthermore, we have collated a wealth of product performance data, which we are able to apply to the benefit of our customers. The following are examples of industries where Russell expertise and equipment are helping customers of all sizes to increase productivity and achieve consistent product quality.

FOOD Confectionery Spices/Flavours Grains/Cereals/Seeds Breweries/Distilleries Dairy Beverages	METALS Powder Swarf Granules Slurries Flake	COSMETICS Powders Liquids
PAINT/COATING Powder Paint Adhesives Plastisol Liquid Paint Inks/Dyes/Pigments Latex/Emulsions Resins	PLASTIC/RUBBER Powders Pellets/Flakes Liquids	EXTRACTION China Clay Minerals Calcium Carbonate
CHEMICALS Powders Liquids Agrochemicals	PHARMACEUTICALS Powders Liquids	OTHER POWDERS Tobacco Catalysts Explosives Detergents
	CERAMICS Powders Abrasives Glass Glaze Clay Slip	OTHER LIQUIDS Waste Oil Water Treatment Effluent Starch Tallow

To obtain further information including case studies, visit us at our web site <http://www.russellfinex.com>



MESH DEBLINDING OPTIONS

The Russell Vibrasonic 2000 Mesh Deblinding System

Russell's Vibrasonic technology has revolutionised sieving of difficult dry materials. High capacity sieving of difficult and sticky powders using meshes as fine as 25 microns has become the norm. Mesh blinding has been eliminated, down time cut dramatically and product specification met consistently. Furthermore, mesh life has increased from weeks to months. The Russell Vibrasonic System combines conventional vibration with ultrasonics. An ultrasonic frequency is applied to the separator mesh by an acoustically developed transducer, called the Probe. This breaks down surface tension, effectively making the stainless steel wires friction free. Without surface tension there is no mesh blinding.



Finger Tip Control and Monitoring System



Russell's powerful Vibrasonic 2000 Mesh Deblinding System can bring a new dimension to separator performance.

Conventional Means – Cleaning Discs

The action of the separator enables the cleaning discs to scrape the underside of coarse meshes, freeing any material which has lodged in the mesh apertures.



EASE OF OPERATION AND MAINTENANCE

The Russell Eco Separator has been designed for ease of operation. Maintenance is simple to carry out and kept to a minimum. Full after-sales support is readily available from our companies in the UK, Belgium and the USA, including direct access for re-ordering spares and mesh.

FULL RESEARCH AND TESTING FACILITIES

In our 60 years experience, we have learned the importance of undertaking thorough evaluation of materials and equipment. Machines are made available for extended trials on customers' premises, while facilities for testing under controlled conditions, are provided by state-of-the-art Test and Research Units, located at our sites in the UK, Belgium and USA. Among other things, we evaluate the effects of changing variables such as mesh size, motor speed, degree of vibration and rate of material flow. These can all influence the performance of separation equipment. The results of every test are added to a computerized database, which incorporates information gathered by the company since its earliest days. We offer customers confidentiality in regard to specific findings.



Technology Center Engineer Rupesh Purohit is seen conducting tests on a 48" Russell Eco Separator.