

Mixers Blenders Dryers Processing Vessels

WINKWORTH MACHINERY PRODUCT RANGE

THE VERY BEST IN MIXING WITH ADVANCED TECHNOLOGY



Winkworth
Est 1924
MIX WITH THE SPECIALISTS

Paste Feeders Mixers Blenders Dryers

Progress in **mixing** and **processing** technology

Winkworth Machinery is pleased to introduce its latest ranges of mixers, blenders, dryers, processing vessels and paste feeders, all designed and manufactured in-house at our factory near Reading, UK.

Each of our machinery ranges is covered in more detail by a separate leaflet. Please ask for copies, or visit our web site at www.mixer.co.uk for additional information and video clips.

Whether you wish to mix creams, doughs, pastes, powders, granules, slurries or sauces, in either batch or continuous form, Winkworth offers expert help and support throughout the specification and purchasing process.



Far left: 2130 litre Z blade mixer extruder

Left: 80 litre RT mixer mounted above XF paste feeder on rails to enable moving for cleaning

AN EXCELLENT SERVICE

At Winkworth we aim to supply the optimum machine for your application at a price that fits your budget. We'll also provide you with a service that we believe is second to none – before your order, during the building of your machine and after installation.

TEST FACILITIES

Initial trials can often be carried out on-site with one of our mobile units, accompanied by one of our trained technicians. Alternatively, customers are encouraged to visit our Swallowfield, Reading factory where we have an experienced team operating from our well-equipped site. For special requirements, customers are invited to work with us in the confidential surroundings of our laboratory test centre, where products can be processed using a variety of machines to achieve the optimum result.

MIXERS FOR HIRE

Should extended product trials be required, or customers need to scale up from laboratory to production, our associate company Mixer Hire Ltd provides fully-wired machines for extended periods of hire.

INNOVATIVE PRODUCT DEVELOPMENT

We are continually improving the performance and versatility of our products. Recent developments include the Winkworth XF compound feeder for handling viscous pastes and doughs at higher throughputs. A new design of twin shaft fluidising mixer allows very rapid but gentle mixing of powders, flakes and granules, and the coating of the same with liquids or fats. New designs to improve cleaning and maintenance, such as the Fast Clean 'Z' Blade mixer, are regularly introduced and we're pleased to offer a range of ancillary machinery to enhance the performance of our products.

PURPOSE-BUILT MACHINERY

In addition to the supply of standard models from our extensive range, our machinery can be tailor-made to suit most customers' individual requirements.

USED PROCESS PLANT

Besides our own new-build products we have a large range of pre-owned mixing and processing plant which can be purchased on the basis of 'fully overhauled and guaranteed', 'serviced' or 'as seen'.

In addition we offer part-exchange facilities against our new plant and we're always interested in acquiring most makes of modern process plant. (This often helps our customers' budgets to go further).

Whatever your processing needs, we are ready to help and look forward to working with you.

WORLDWIDE SALES

We proudly export our machines all over the world, and regularly visit most countries; so please let us know if you would like us to visit when next in your country.

www.mixer.co.uk

Z Blade Mixers

MODELS: Tilt, bottom outlet or extruder discharge

APPLICATION GUIDE: For viscous pastes and doughs



Standard Z blade



NEW laboratory 'Fast Clean' mixer



Z blade with extruder discharge

TYPICAL USES

Very viscous doughs and pastes

Viscous rubber solutions, silicone rubber, ceramics, refractories, plastics, explosives, pastes, metal powders, grinding wheel preparations

Adhesives, mastics, sealants, fibreglass resin dough, crayons & pencil lead, inks and pigmented products

Pharmaceuticals, chemicals, soaps and detergents, toilet rim products

Sugar pastes, chewing gum

FEATURES AND OPTIONS

Tilting or bottom outlet Z blade mixers are available in 14 sizes from 0.25 litre up to 1600 litre capacity, built in various strengths to suit your requirements

Extruder Z blade mixers are available with electric drives or, where extra versatility is required, hydraulic drives. Nine sizes available from 2 litres to 2130 litres

Available with stainless steel contact parts, jackets for heating or cooling, cored blades for increased heat transfer, vacuum lids and many other features



2130 litre Z blade mixer extruder



250 litre Z blade mixer extruder

NEW XF Paste Feeders

MODELS: The Winkworth XF roller feeder and XF paste feeder

APPLICATION GUIDE: For transforming a paste mass into shapes suitable for further processing



XF150/R roller feeder

TYPICAL USES

Fibreglass resin dough, adhesives and hot melt adhesives, gasket materials, medical products

Sugar paste, confectionery, snack foods

FEATURES AND OPTIONS

Choice of screw diameter and hopper size

Choice of paddle agitator or twin roller feeder system

Available with stainless steel contact parts, jackets for heating or cooling, cutting devices

High Speed RT Mixers

MODELS:

For batch or continuous operation offering short batch times with profile paddle, plough or angled shovel blade

APPLICATION GUIDE:

For pastes, doughs, powders, powders with liquid additives and slurries



2000 litre jacketed RT mixer with refiners



200 litre continuous RT mixer

TYPICAL USES

Cake mixes, seasonings, spices, clays and ceramics

PVC paste, pharmaceuticals, cosmetics, confectionery, rework, adhesives, brake linings, chemicals and plastics

Waste and recycled products

FEATURES AND OPTIONS

14 sizes from 14 litre up to 7500 litre working capacity

Available with a choice of plough, profile paddle or angled shovel blade, stainless steel contact parts, jackets for heating or cooling, vacuum facility and many other features. Also available with or without high speed refiners

Continuous/batch operation models



14 litre continuous mixers

U Trough Mixers

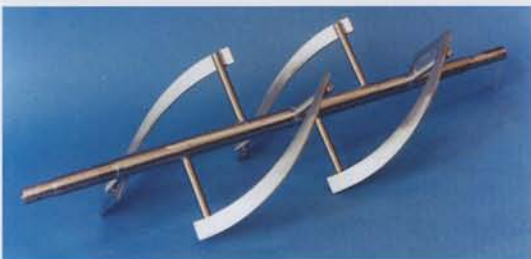
Improved compact design. Short length to width ratio for faster, more accurate mixing

MODELS:

For batch and continuous operation

APPLICATION GUIDE:

For powders, powders with liquid, granules, light pastes and creams



Interrupted spiral blade



2000 litre all stainless steel U trough mixer

TYPICAL USES

Food flavouring, cosmetics, seasonings and spices, ceramics

Car body filler, tile adhesive, biscuit cream, PVC paste

Fibreglass resin dough, putty, sugar and marzipan paste

FEATURES AND OPTIONS

17 sizes from 25 litre up to 18000 litre capacity

Available with stainless steel contact parts, different blade designs, jackets for heating or cooling, vacuum facility, variety of outlet valves and many other features

Continuous operation models



Double Cone Blenders

MODELS: Batch mixers

APPLICATION GUIDE: For gentle mixing of powders, granules and fragile materials



500 litre double cone blender with access platform for vacuum loading



600 litre double cone blender with drum loading system

TYPICAL USES

Food products, breakfast cereals, spices
Chemicals, pharmaceuticals, agrochemicals
Metal powders, plastics, ceramics, pigments and other powders

FEATURES AND OPTIONS

11 sizes from 1 litre up to 8000 litre capacity
Available with stainless steel contact parts, jackets for heating or cooling, vacuum facility, spray bar and many other features

Vacuum Dryers

MODELS: Batch operation to suit application

APPLICATION GUIDE: For drying damp powders, pastes and slurries. For sterilising powders and fragile food products



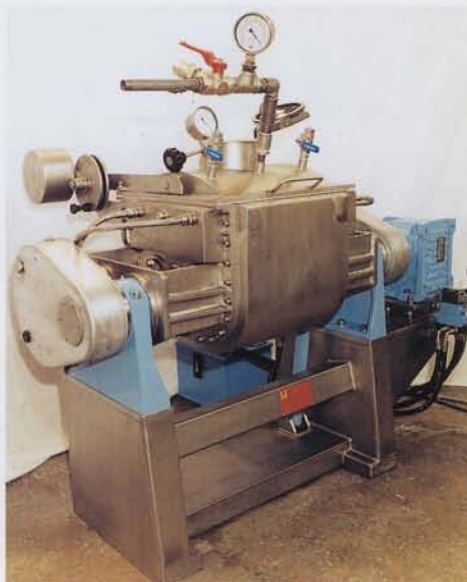
400 litre RT mixer/dryer



5000 litre double cone blender/dryer

TYPICAL USES

Z Blade mixers, RT mixers, U trough mixers and double cone blenders can all be equipped with jacketed bodies and vacuum lids, and become effective dryers for many purposes



35 litre Z blade mixer/dryer

Processing Vessels

MODELS: For batch processing

APPLICATION GUIDE: For mixing and processing of creams, liquids, sauces and slurries



Skid mounted processing vessels



Inclined angled agitator with scrapers and high shear mixer

TYPICAL USES

Cosmetic creams, shampoos, hair gels
Oils, fats, sauces, syrups, meat pie fillings, confectionery products, dairy products
Chemicals, shoe polish, reprographic coatings, inks, pharmaceuticals
General mixing, melting and cooking applications

FEATURES AND OPTIONS

8 sizes from 65 litre up to 4000 litre working capacity
Skid mounting with pumps/complex control systems, etc.
Available with a selection of agitators including anchor, high speed homogeniser, contra rotating, angled anchor, propeller, scraped side etc.
Available with or without heating or cooling jackets

NEW Twin Shaft Mixers

MODELS: Batch mixers

APPLICATION GUIDE: For fast, gentle mixing of powders and granules; coating of particulates



500 litre machine to current food specification

TYPICAL USES

Powders, granules and fragile materials including: animal feed, muesli, sandwich fillings, coleslaw, fruit mix, rice, frozen vegetables
Detergents, fertiliser, peat moss
Dry grout mix, dry mortar mix, cement

FEATURES AND OPTIONS

8 sizes from 20 to 2000 litre capacity
New Winkworth 'Rapid Paddle' blade. Other blades include new ladder/beater blade and multi paddle blades
Twin bomb door and other outlets
Available with stainless steel contact parts; jackets for heating

UK & EXPORT SALES CONTACTS

NEW MIXERS -

Tim Simpson, Kul Gidda, James Winkworth, Ian Mann

LABORATORY TESTS - Tim Simpson, Kul Gidda, James Winkworth

MIXER HIRE -

Tim Simpson, Kul Gidda, James Winkworth

SPARES AND AFTER SALES - Robert Archer, Simon Sutton

USED PLANT - James Winkworth, Rhod Prior

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All new Winkworth mixers destined for EEA countries are designed and manufactured to comply with the relevant EU directives and HASWA (1974) and are issued with an EC Declaration of "Incorporation" or an EC Declaration of "Conformity" with CE marking.

Winkworth Machinery Ltd reserve the right to alter or modify specifications as circumstances or improvements may require.