



# Mixing Power



# Z

**BLADE RANGE**

***Mixing all ways***

# Z Blade

**Winkworth's world leading Z Blade Sigma range is the ideal solution for mixing, kneading and dispersion of extremely viscous doughs, mastics and pastes.**

In stainless steel, the Z blade is heavy duty, robust and perfect for production and pilot plant.

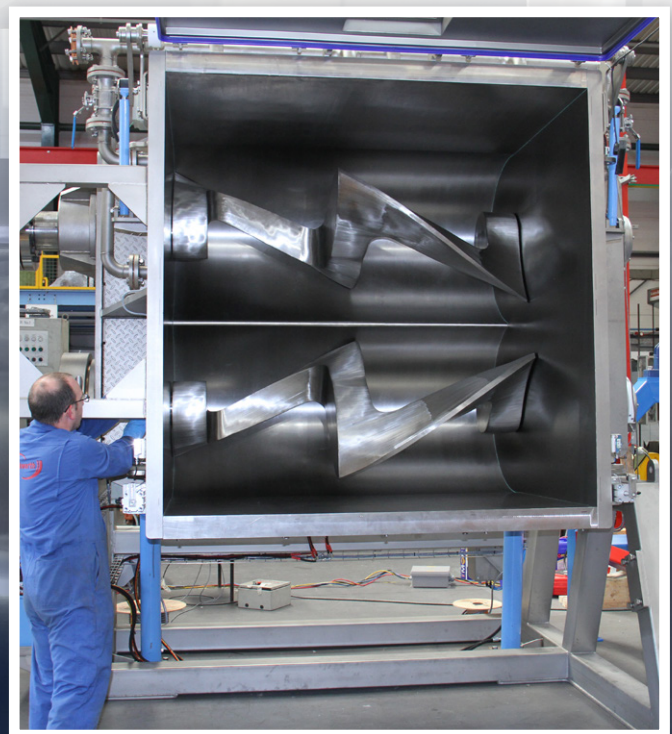
## Key features:

- The twin blade design makes the Z blade highly efficient.
- Heating/Cooling jacket options.
- Support provided by fully welded box section frames.
- Split gland seal housing for easy maintenance (options available).
- Hydraulic tilt or bottom discharge feature.
- Integrated lid designs.
- Available in models from 20 litre to 6000 litre working volume.
- The full Z Blade range is CE Compliant.



A range of optional features are also available visit

[www.mixer.co.uk](http://www.mixer.co.uk)



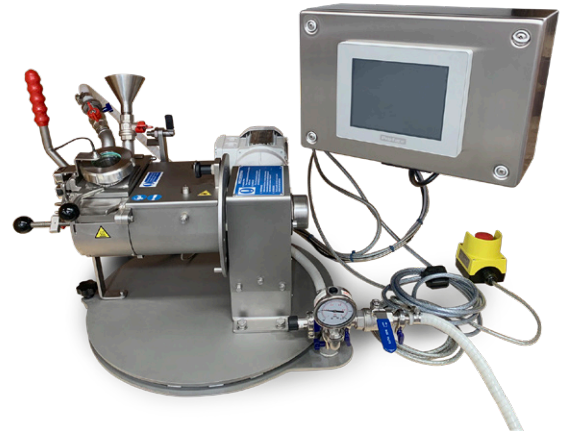
# Laboratory Z Blade

**Known as the LabZ, the compact Z Blade mixer is perfect for mixing, kneading and blending materials as part of the research and development process.**

The ease of use and quality of mixing makes the development of new formulations a simplified process and reduces time, costs and business risk when exploring new concepts.

### Key features:

- Stainless steel.
- Heating/Cooling jacket.
- Food grade standard.
- Simple to use control panel.
- Mixture visibility via 'see through' lid.
- Easy to strip, clean and re-assemble in a few minutes.
- Available in models from 0.1 litre to 10 litre working volume.
- Vacuum.



# ZX Mixer Extruder

**Winkworth ZX Sigma is a heavy duty Z blade extruder mixer ideal for mixing, kneading and dispersion of incredibly viscous doughs and pastes.**

Fabricated in stainless steel the Z blade is a robust extruder mixer for production and pilot plant.

### Key features:

- The twin blade profile design makes the Z blade highly efficient.
- Integrated lid designs.
- Heating/Cooling jacket and nozzle options.
- Food grade standard.
- Split gland seal housing for easy maintenance.
- Available in models from 2 to 6000 litre working volume.
- Pelletising options.



**Mixing all ways**

## Z blade mixers are used throughout industry, typical applications include:

Sealants, silicone rubber, hydrocolloids, adhesives, mastics, brake linings, abrasives, welding materials, ceramics, chewing gum, gum base, confectionery, sugar pastes, biscuit dough, energetics, fibreglass dough, metal powders, detergents, soaps, etc.

Winkworth is the largest UK industrial mixer manufacturer with a long and respected history in providing bespoke mixing solutions from lab size to full scale production models. Winkworth mixers are used across a range of industries including food, chemical, pharmaceutical, ceramic, metal and plastics and for a

variety of applications, including gums, pastes, powders and liquids. Winkworth's equipment is uniquely engineered to customer requirements, supplied and installed worldwide and can be available as a mixer hire option. Full trials are available at their Mixing Test Centres.



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