

Specialised mixers

Abramix RBX

No immersed bearing

With the standard Silverson mixer a highly abrasive product can cause excessive wear on the bush and the shaft. In the Abramix RBX, the bush has been completely eliminated by the use of a heavy-duty shaft, which is firmly supported by two precision roller bearings, situated above the level of the product being mixed. Minimum maintenance is a key feature of the design.

Dry running

Dry running in non-flammable products is possible, allowing mixing to continue uninterrupted while emptying the mixing vessel.

Typical applications

- Liquid Glazes: Preparation and redispersion including incorporation of Pigments, Wetting Agents, Hardeners, etc.
- Ceramic slips - Clays and Silicas - Texture Paints
- Foundry Compounds

Tubular mixers

Silverson tubular mixers are designed for operation in sealed vessels where a product-lubricated mechanical shaft seal is required.

Tubular mixers are suitable for operation under atmospheric or positive pressures and are ideal for mixing products where sealant fluids need to be avoided.

The mixer shaft is sealed at its lower end by a conventional mechanical shaft seal, which is lubricated and cooled by the product being mixed.

As with all Silverson rotor/stator mixers, interchangeable stators are available to adapt the machine for varying processes.

The tubular design also allows the machine to fit through relatively small diameter vessel openings.

Each mixer is designed to suit individual process requirements.

Typical applications

- Active ingredients into inhalants
- Injectables
- Vaccines

