

**MIXING** SOLUTIONS  
**WORLDWIDE**

## MIXING SOLUTIONS

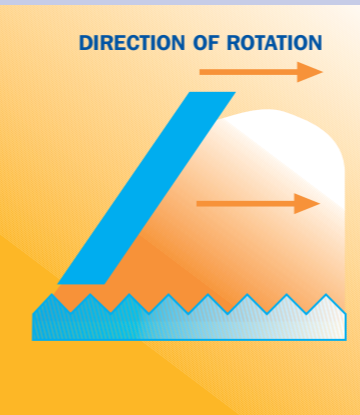
### WORLDWIDE

Fillworth is a leading supplier of mixing equipment to a worldwide market. Over 20 years the company has developed a reputation of delivering high quality reliable machines for a wide range of end user applications.

The key to Fillworth's development has been its commitment to research and development and in particular the introduction of leading technological innovation to the mixing process.



View of the Batchmaster mixing machine - fluid wedge principle dramatically increases production rates and product quality.



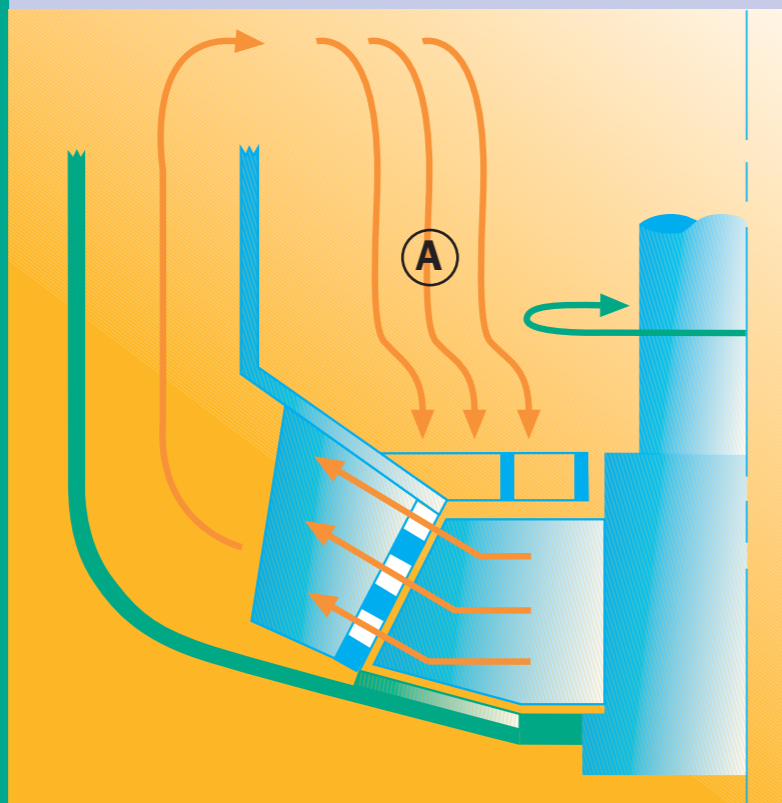
Cross sectional view of the unique fluid wedge principal. Serrated floor holds product to allow rotating blade to pressure the media across the blades and floor area.

## PATENTED DESIGN

This leading technology has resulted in Fillworth developing a number of patented design features which have set new standards within the industry.

The technological development is complemented by state of the art design and manufacturing processes and a highly skilled and experienced production team.

A keen eye for detail ensures that all Fillworth's products are robust and reliable and, coupled with innovative features, ensure our customers cost effective production across a wide range of materials and markets.



Cross sectional view indicating flow path. Any addition to the mixer **A** flows directly through the high shear impeller resulting in recirculation as shown.



Site installation - Batchmasters producing contact adhesives in a Zone I environment.

# WORLD CLASS PRODUCTS

Fillworth manufacture a comprehensive range of equipment to provide mixing solutions across a variety of final applications from mastics to cold set inks and paints.

Utilising Fillworth's technological expertise, each machine is hand built to provide customers with fast and reliable mixing equipment.

## FILLMASTIC

Heavily filled mastics  
Non flowables



The Fillmastic is a market leading production mixer providing efficient mixing of products from 0.75 million cps to 2 million cps. Hydraulically powered, the Fillmastic can produce up to 10,000 litre batches. Vessels can be jacketed for product cooling or heating up to 250°C.

- Built in stainless steel or carbon steel
- Vacuum built as standard
- Typical products - heavy mastics, sealants
- Trial facility available



Hot melt adhesives  
Heavy sealants

Adhesives up to non flowables  
Heavy sealants  
CTA's



Utilizing the revolutionary **fluid wedge principle**, with no bottom bearing or gland, the Batchmaster provides infinitely variable speed control and increased production efficiency by dramatically reducing production times. The Batchmaster's unique draught tube design feature enables production of as little as 10% of mixer volume. Product viscosity is up to 1 million cps with total uniformity of quality throughout the batch. Vessels can be jacketed for product cooling or heating up to 250°C.

- Zero leakage - no bottom gland or mechanical seal
- Vacuum built as standard
- Typical products - adhesives, greases
- Trial facility available



Bituminous solutions  
Plastisols

## FHDD

Sealents  
Adhesives



The FHDD combines the high dispersion of the FDD mixer with a top driven helical anchor stirrer. This unique design greatly reduces the power input which, coupled with rapid mixing and reduced batch times, results in high production efficiency and a uniformity of quality throughout the batch. Vessels can be jacketed for product cooling or heating up to 250°C.

- Built in stainless steel or carbon steel
- Vacuum built as standard
- Typical products - cold set inks, sealants
- Trial facility available



Latex paints  
Varnishes

## FDD

### ROTOR-STATOR DISPERSER

High dispersions  
General coatings

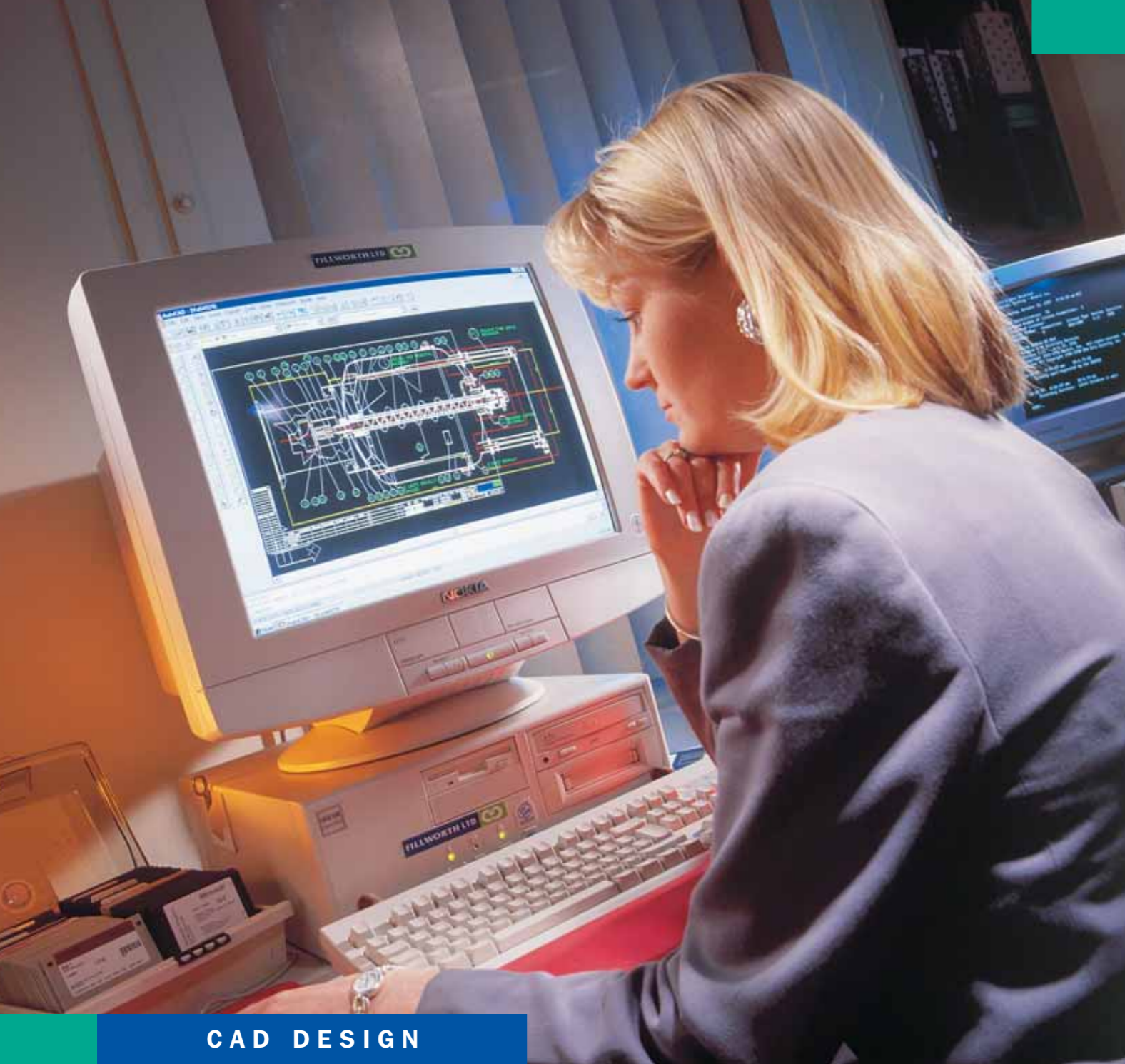


The FDD (Rotor-Stator Disperser) features Fillworth's **unique fluid wedge principle** which, with no bottom bearing and an obvious flow pattern greatly reduces product heat generation. The FDD provides excellent batch circulation resulting in very efficient production - reducing mill passes by up to 50 - 75%.

- Stand or vessel mounted
- Speed - 1450 rpm
- Typical products - paints, inks, oils, adhesive creams
- Trial facility available



Paints  
Inks  
Oils



## CAD DESIGN

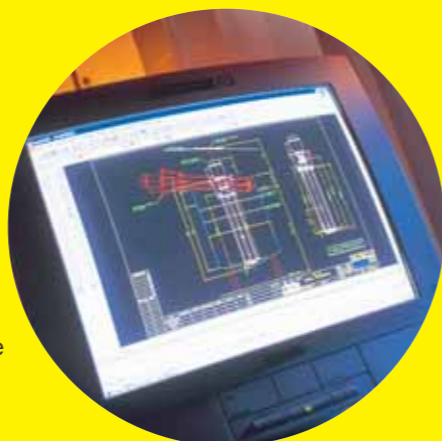
Fillworth have established a reputation for innovation and world leading design which has resulted in the development of a number of unique patented features.

CAD design technology is used extensively both on 'live' projects and in research to further improve Fillworth's product range.

Design features are conceived, researched and implemented by skilled design engineers who, by using the latest design technology, can greatly reduce time to market.

Fillworth combine their standard product range with a variety of design options to tailor the machines to specific customer requirements. Their design options include:-

- Vessel supplied stainless steel or mild steel.
- Transmission - available with fixed speed, electro mechanical variable speed or hydraulic infinitely variable speed with remote speed control.
- Vessels can be mezanine floor mounted, floor standing or load cell mounted - complete with digital readout or plc controlled systems.
- All vessel entries to suit customers requirements.
- Vessel discharge features can include pumps, extruders and product recirculation.



## QUALITY

All Fillworth equipment is designed and manufactured to the most stringent quality standards.

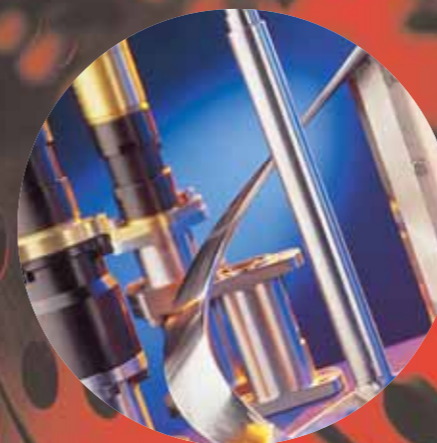
The company operates a Quality Assurance System designed to ensure that our products and services meet agreed customer specifications. In association with it's customers Fillworth is committed to continual improvement of its quality systems to ensure that the highest standards of service and product reliability are maintained.



## SPARES

As an integral element of Fillworth's total support package, the spares department allows customers to order official Fillworth spare parts for their equipment.

The spares are designed, built and delivered to the same exacting standards as the original Fillworth equipment to ensure maximum machine compatibility and efficiency.



## AFTER SALES

Fillworth's commitment to high quality/reliable manufacture is complemented by a rapid response after sales service.

The service department provide on line and on site support geared to helping our customers achieve the optimum efficiency levels from their Fillworth equipment. The result is reduced downtime of equipment leading to maximum production capability.

Services include -

- Full machine installation and commissioning
- On or off site training for operating personnel
- Preventative maintenance contracts
- Fillworth guaranteed spares

