



**ANDERSON  
ENGINEERING**

**Food & Chemical Equipment cc**



**personal care & pharmaceuticals  
processing equipment**

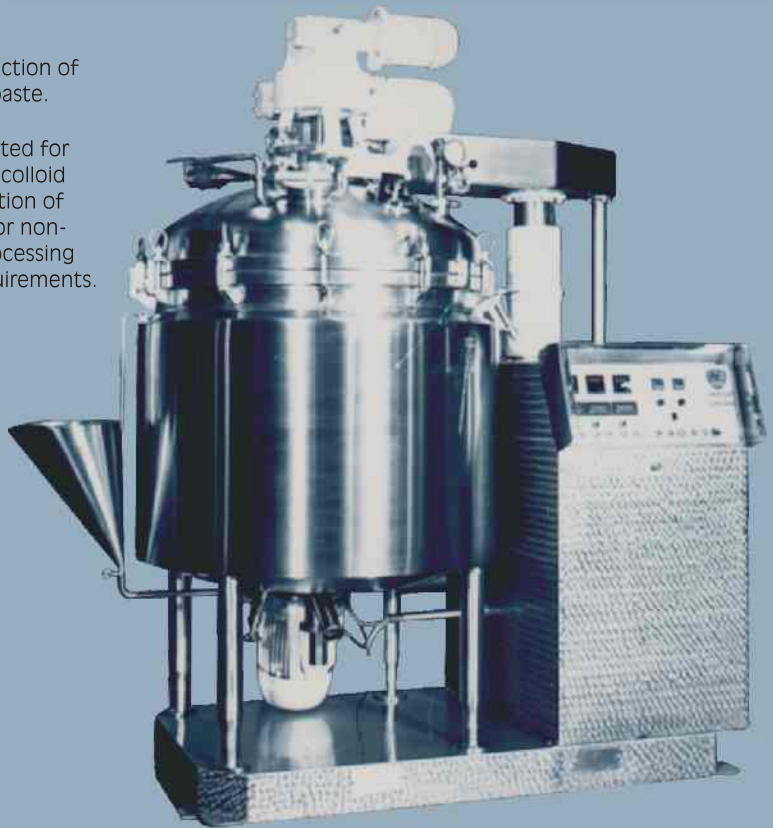
## Contramix / Combomix Vessels

**TASK:** to prepare smooth blends, emulsions and pastes. This equipment ensures thorough mixing of ingredients.

**USES:** the contramix vessel is used primarily in the production of emulsions and pastes, eg: shampoos, creams and toothpaste.

**FEATURES:** will operate under vacuum or pressure, jacketed for heating or cooling of the contents. Contramix agitation, colloid milling, high shear mixing or emulsifier units with the option of variable speed. Either fixed or raisable top cover. Tilting or non-tilting mixing chamber. Fully automated (using P.L.C.) processing sequence. Built entirely to suit customer's individual requirements.

**SIZE:** from laboratory test models up to full production machines.



## Tanks (Storage, Mixing, Melting)

**TASK:** to premix ingredients prior to processing (both wet and dry). Tanks are also used to store raw materials and in recipe formulation. We can also design tanks suitable for mixing ingredients according to your specific requirements.

**USES:** tanks are used to store premix and heat water and oil phase products.

**FEATURES:** jacketed, non-jacketed, insulated, batching and weighing, agitated and non-agitated, C.I.P (washing ability), hygienic, aseptic, electro-polished surface.

**SIZE:** to client's requirements.



## Wax Melters

**TASK:** to liquify wax.

**USES:** wax melters are used to melt blocks or flakes of wax.

**FEATURES:** melting grid, heated bottom and sides, stirrer, temperature control, heating by steam, hot water or circulated oil.

**SIZE:** typically from 20l to 2 000l.



## Jacketed Cooking Pans

**TASK:** to premix ingredients.

**USES:** the jacketed cooking pan is used to premix, melt or preheat components for pharmaceutical and personal care products.

**FEATURES:** atmospheric, over pressure or vacuum.

**SIZE:** typically from 20ℓ to 1 000ℓ .



## Ribbon Blenders / Y Blenders

**TASK:** to thoroughly blend mainly dry ingredients with minimum damage in the shortest time.

**USES:** the blender is used to mix products such as liver salts and talcum powder as well as blending dry colourants into products.

**FEATURES:** automatic discharge, totally enclosed, self-cleaning, batching.

**SIZE:** typically from 50ℓ to 3 500ℓ .



## Powder Blenders

**TASK:** to rapidly mix dry ingredients into liquid.

**USES:** the powder blender is used to dissolve powders such as aluminium chlorohydrate into liquid.

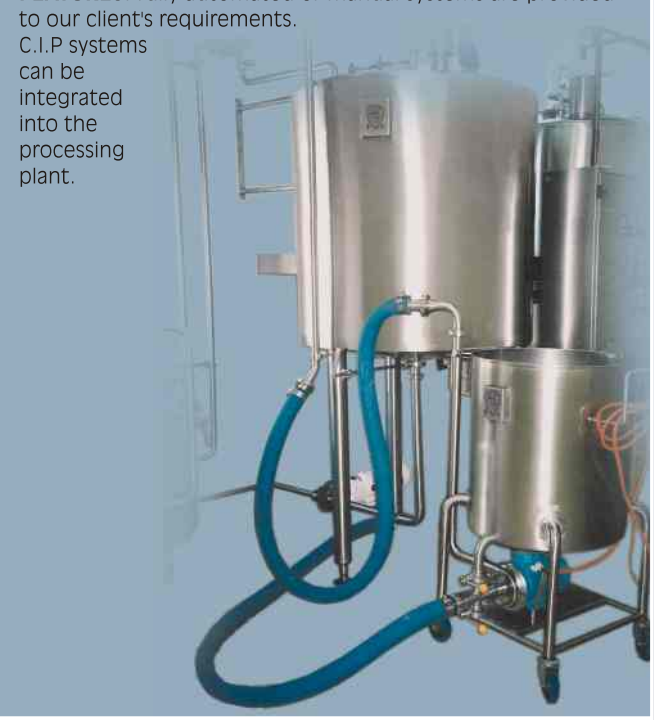
**FEATURES:** hygienic, safe and thorough.



## C.I.P System

**TASK:** to clean processing vessels, pipes, pumps and related processing equipment. Cleaning of the equipment is undertaken by rinsing and washing with water or chemicals as may be appropriate to temperatures relevant to the process.

**FEATURES:** fully automated or manual systems are provided to our client's requirements. C.I.P systems can be integrated into the processing plant.



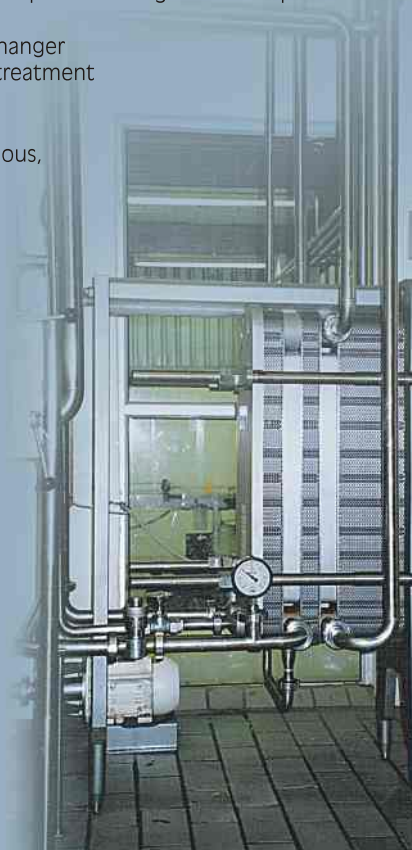
## Heat Exchangers / Pasteurisers

**TASK:** to cool, heat or pasteurise ingredients or products

**USES:** the heat exchanger is used in the heat treatment of various liquids.

**FEATURES:** continuous, easy to clean.

**SIZE:** to client's requirements



## Retorts / Autoclaves

**TASK:** to heat treat glassware or to sterilise products in a bottle, sachet or container.

**USES:** the retort is used for the heat treatment of saline drips and vials.

**FEATURES:** dry heat, rotating, reciprocating, flooded, steamed or sprayed.



## Aeromechanical Conveyors

**TASK:** to transfer granules or powdered materials. The conveyor can also be used to handle products gently to minimise the damage to particles.

**USES:** the conveyor is used to move materials such as talcum powder, bath salts, domestic soap powder, diatomaceous earth, titanium dioxide and pharmaceutical powders.

**FEATURES:** vertical, horizontal or incline conveyancing, silo loading or discharge, dust free.

**SIZE:** up to 20m<sup>3</sup> per hour.

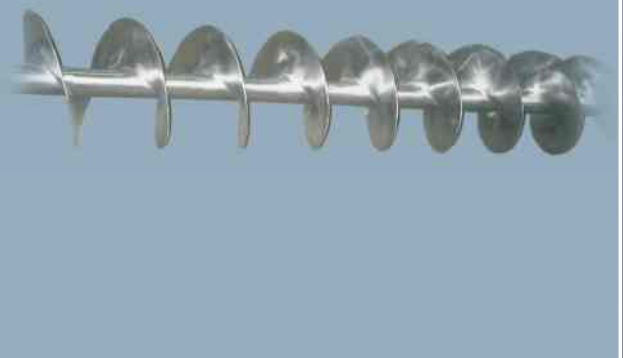


## Screw Conveyors

**TASK:** to discharge granular products at a given rate. The screw conveyor is used for more abrasive, wetter materials. It is also used to transfer products.

**USES:** the conveyor is used to move materials such as various pharmaceutical powders.

**FEATURES:** incline or level.



**Anderson Engineering** is a business with a wealth of experience in designed manufacture of processing equipment, especially in stainless steel. This is a company well known for its unique ability to customise a design and commission a project to exacting requirements while still being able to produce a more routine product to specification at a reasonable price. Anderson Engineering produces a quality product and is ISO 9001-2000 certified. As we continuously improve our designs, the overall efficiencies improve and this results in lower maintenance costs of our equipment.

Throughout the company's extensive history, Anderson Engineering's management has emphasised service and dedication to clients. We believe that it's the way you treat the client that makes the difference. When you are working with complex dynamics, it is critical to work together and ensure good communication. Anderson Engineering has built its business on a good reputation achieved through its dedication to the customer.

The range of projects highlights our flexibility, and wide range of expertise. We can offer our clients a complete Turnkey Solution.

The package includes:

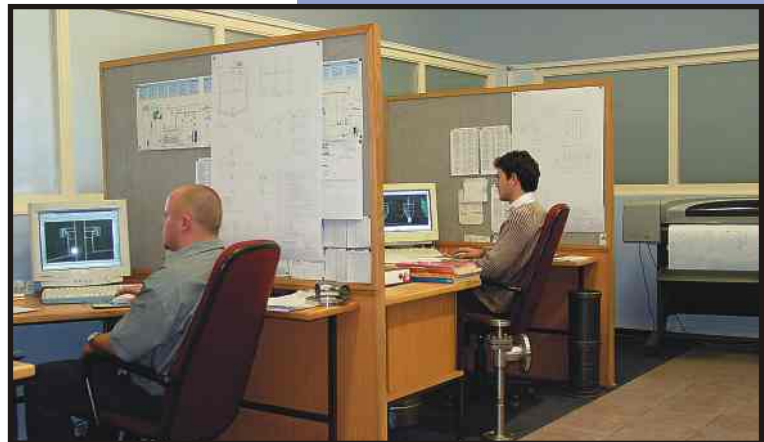
- innovative and cost-effective options for your consideration and comment,
- process and layout design using Computer-Aided Design technology,
- the manufacture of the plant including automation, fabrication, site installation,
- commissioning and staff training,
- complete project management from the enquiry through to product trials.

The extensive product range includes: contra/combomix vessels (incl/excl emulsifier), ribbon blenders, washing machines, evaporators, paste filling lines, turnkey projects, rotary sieves, specialised food conveyors, tanks, jacketed cooking pans, coating pans, heat exchangers and retorts.



## OUR CLIENTS HAVE INCLUDED:

AECI  
Bakery Provision Services  
Beacon Sweets  
Belgotex  
Biological Control Products  
Böhme Africa  
Britec Laboratory  
Buhler  
Cadbury  
Clover Dairies  
Flavourcraft  
Ghana Agro Foods  
Indian Ocean Tuna  
Innox  
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S.A.B.

Sara Lee

Sasol

Seychelles Marketing Board

Stonelees Dairies

Tetra Pak

Tiger Brands

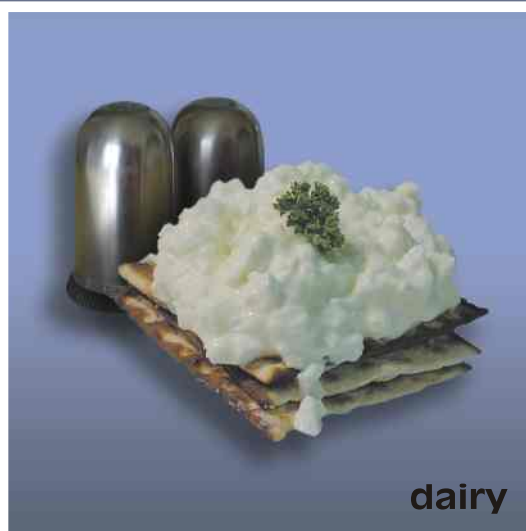
UBR Foods

Unilever Foods

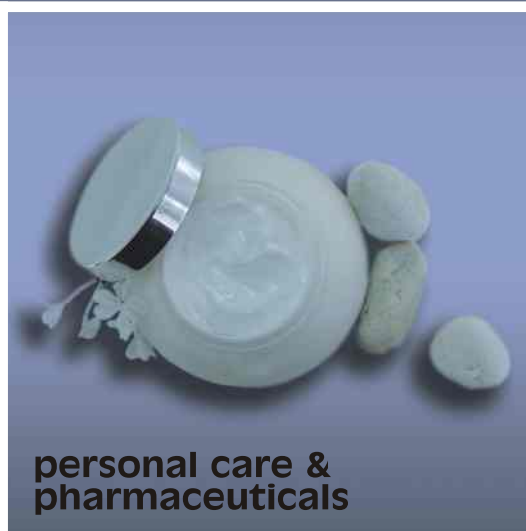
Unilever Nigeria

Unilever S.A.

# key industries



dairy



personal care & pharmaceuticals

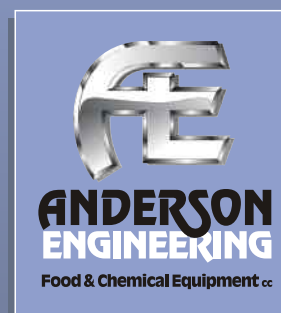
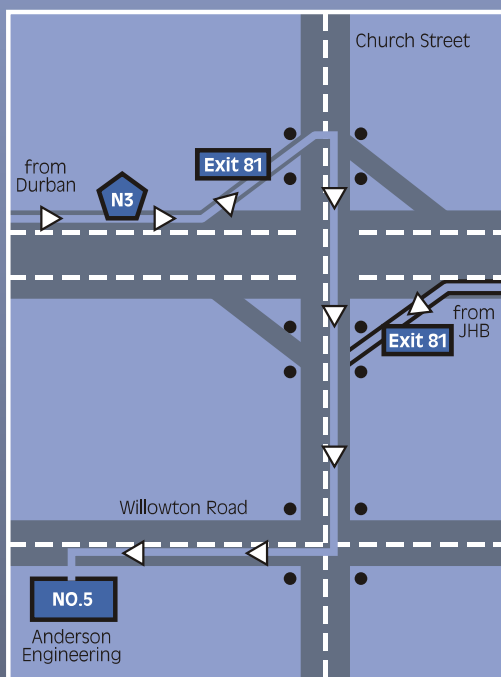


chemical



food

Brochures available on request



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