



**ANDERSON
ENGINEERING**

Dedicated Expertise.



chemical processing equipment

Paste Polish Filling Lines

TASK: for the heating, mixing and emulsifying of high quality pastes or polishes in preparation for filling into tins or containers, where a key part of the production process is the cooling of the contents prior to lidding.

USES: the paste polish blending plant and filling line is used in the manufacture of products such as shoe and floor polish as well as petroleum jelly.

FEATURES: wax melting, blending, heating and cooling, agitation including emulsification, accurate filling, manual or fully automated.

SIZE: mixing capability to client's requirements.
Filling: into containers from 15ml to 5l in size.



Reactors

TASK: to mix ingredients during processing, at specific temperature and pressure, in order to achieve a chemical reaction.

USES: the reactor is used primarily in the production of polymers and other chemical products.

FEATURES: heating, cooling, pressure, mixing, emulsification, electro-polished surface.

SIZE: typically from 300l to 20 000l.



Tanks (Storage, Mixing)

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

USES: the tanks are used to store, premix and heat chemicals and wax products.

FEATURES: jacketed, non-jacketed, insulated, batching and weighing, agitated and non-agitated, CIP (washing ability).

SIZE: to client's requirements.



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.

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.



Ribbon Blenders / Y Blenders

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

USES: the blender is used in the blending of powders, granules and flakes.

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

SIZE: typically from 50ℓ to 3 500ℓ.



Wax Melters

TASK: to liquify wax.

USES: the 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.



Heat Exchangers (Tubular, Plate)

TASK: to rapidly heat or cool liquid ingredients for chemical processing. The plate heat exchanger or tubular heat exchanger is selected according to the product viscosity with heating or cooling capability using various heating or cooling media.

SIZE: to client's requirements.



Aeromechanical Conveyors

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

USES: the conveyor is used to move materials such as powder, salts and granules.

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

SIZE: up to 20 m³ per hour.



Screw Conveyors

TASK: to discharge granular or powdered ingredients at a given rate. The screw conveyor is used for more abrasive, dry materials. It is also used to transfer ingredients.

USES: the conveyor is used to transport granular or powdered material.

FEATURES: incline or level.



Filter Housings

TASK: to screen or filter liquid chemicals in order to remove unwanted particles.

USES: the filter housing is used for ingredient or finished product filtration.

FEATURES: hygienic, swing over, easy to clean.

SIZE: designed to meet specific flow rate and particle size requirements.



Evaporators

TASK: to concentrate chemicals. This equipment can take the liquid chemical through various stages of concentration, even through to a powder form.

USES: the evaporator is used in the production of products such as alcohol, essential oils and effluent recovery.

FEATURES: high efficiency.

SIZE: to client's requirements.



Anderson Engineering is a business with a wealth of experience in the design and 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 cost effectively. Anderson Engineering produces a quality product and is ISO9001- 2008 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 solutions.

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:

Aspen

Beacon Sweets

Belgotex

Biological Control Products

Böhme Africa

Britec Laboratory

Buhler

Busby Oils

Cadbury

Cataler

Clover Dairies

Flavourcraft

GlaxoSmithKline Beecham

Indian Ocean Tuna

Imana

National Bioproducts Institute

Nestlé

Revertex Chemicals

S.A.B.

Sasol

S C Johnson

Seychelles Marketing Board

Stonelees Dairies

Tetra Pak

Tiger Brands

Unilever Foods

Unilever Nigeria

Unilever S.A

key industries



dairy



personal care & pharmaceuticals



chemical



food

Brochures available on request



**ANDERSON
ENGINEERING**

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Physical Address:
5 Willowton Rd, Pietermaritzburg
KwaZulu- Natal, South Africa

Postal Address:
PO Box 564, Pietermaritzburg 3200
KwaZulu- Natal, South Africa

Tel: +27 33 387 1544
Fax: +27 33 387 3923
www.andersoneng.co.za
mail@andersoneng.co.za