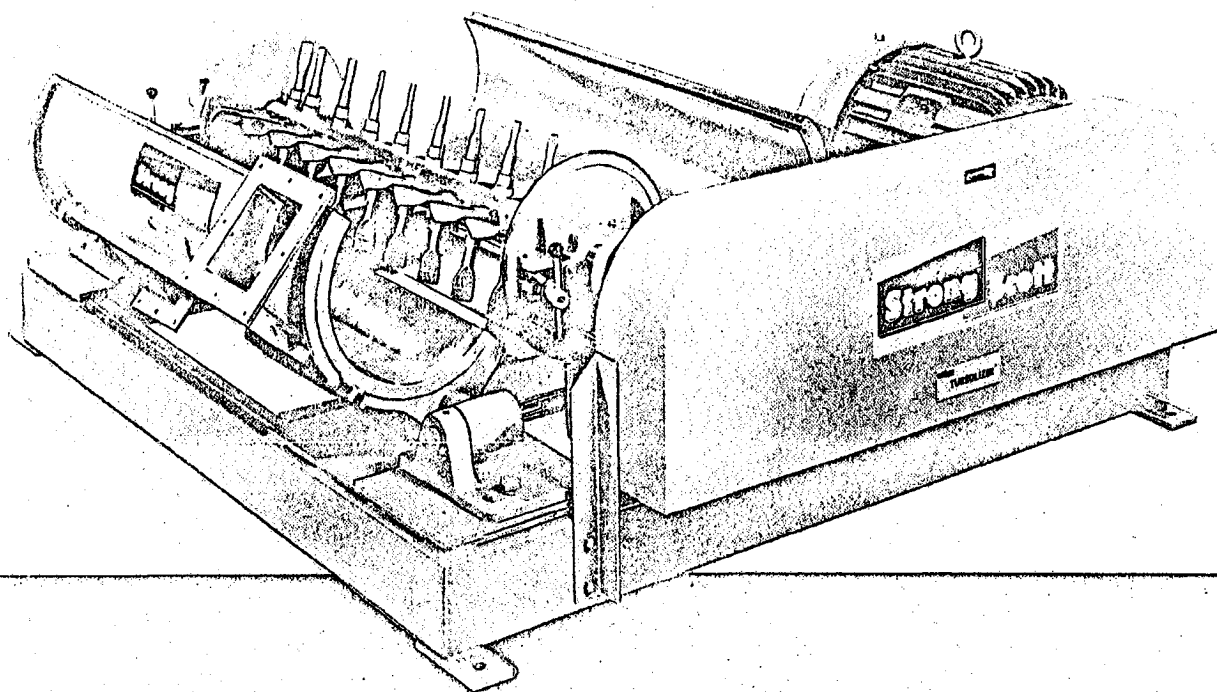


STRONG-SCOTT

TURBULIZER®

CONTINUOUS REACTOR FOR: SOLIDS-SOLIDS LIQUIDS-SOLIDS GAS-SOLIDS DRYING



Multiples processing efficiency in Chemicals • Plastics • Food • Industries

The **Strong Scott** Mfg. Co.

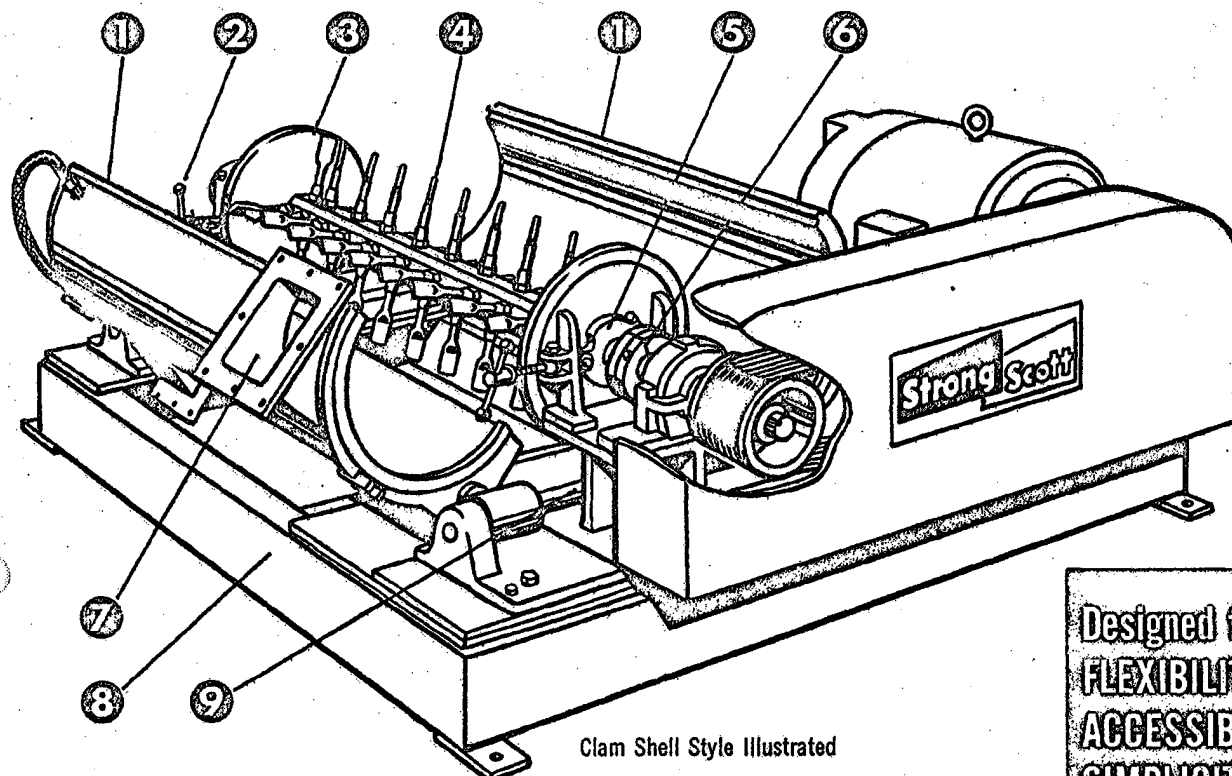
N39939

EQUIPMENT DESIGNED FOR BETTER PROCESSING

TURBULIZER®

Offers exceptional performance for continuous processing...

● TURBULENCE ● SHEAR ● IMPACT ACTION



Clam Shell Style Illustrated

- ① Housing-halves—Slide out for ease of cleaning all interior surfaces.
- ② Clamp handles—Four only to secure both housing-halves. No tools are required to open and close.
- ③ End plates—Bolted and doweled to machined base. Tongue-and-groove seal with housing-halves.
- ④ Paddles—Smooth forged with threads shielded by high nuts.
- ⑤ Shaft Seals—Option of split types to suit application.
- ⑥ Balancing Discs—Unique bi-metal discs for dynamic balancing of rotor. Compensation for imbalance by means external to working chamber.
- ⑦ Inlet—Vertical product feed inlet shown. Can be provided with side inlet for force feeding.
- ⑧ Base—Rugged steel welded base stress relieved and machined for true alignment of parts.
- ⑨ Ball-bushing Shaft—Carries housing-halves on low-friction ball-bushings for ease of opening and closing unit.

Designed for
FLEXIBILITY
ACCESSIBILITY
SIMPLICITY
ADAPTABILITY

MODELS AND STYLES	Model	Nominal Diameter	HP Range	Style Options		
				Full Length Door	Clam Shell	End Rotor Removal
	T- 8	8"	5—15	—	—	X
	T-14	14"	7½—40	X	X	—
	T-20	20"	30—100	X	X	—
	T-30	30"	40—125	X	—	—

X—Available
Jackets for heating and cooling up to 150 psig available.
Construction of carbon steel, stainless steel, nickel, or other alloys.

Versatility in Continuous Processing

✓ INCREASES PRODUCTION ✓ IMPROVES PRODUCT QUALITY ✓ BETTER PROFITS

SPECIFIC EXAMPLES

MIXING—Production of Synthetic Rubber: Mixing of carbon black, in a liquid suspension, into latex at or about the same time that it coagulates, thus entrapping the carbon in the solid rubber as it is formed.

PLASTIC CALENDERING PROCESS—Production of Vinyl Sheet: Intensive dispersion of plasticized vinyl dryblend simultaneously increasing temperature of material from ambient to fluxing.

PIGMENT DISPERSION—Production of Molding, Extruding and Calendering Compounds: Dispersion of pigments, additives, etc., into resin for color intensification of thermo-plastic compounds.

ABSORPTION—Production of Starch Phosphates: Raising of cornstarch and phosphate salts temperature very substantially while intimately dispersing the ingredients to cause the absorption of phosphate by starch and thence the reaction to form the esters.

ADSORPTION—Diffusion of liquors over surface of solid particles substantially elevating moisture content while retaining uniformity of handling characteristics: Addition of stillage or steep

water to spent grains for the production of high protein feeds from waste materials.

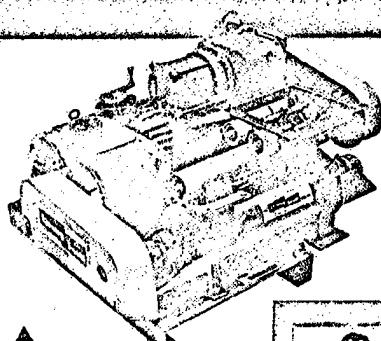
HOMOGENIZATION—Production of Prepared Food Mixes: Dispersion of shortening into the dry ingredients for cake, donut, pancake, waffle, soup, bread, etc., mixes. Particle coating by the shortening thus obtained is insurance against possible insect propagation.

CRYSTALLIZATION—Processing Silicates for Detergents: Mixing of powdered sodium metasilicate with liquid sodium metasilicate creating particles within a very narrow particle size range.

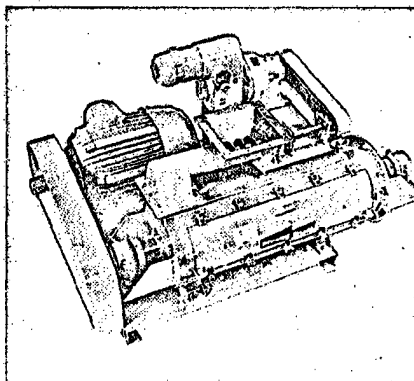
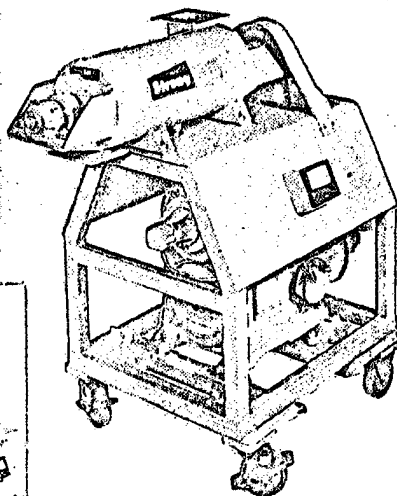
DRYING—Processing of Plastic Resins, Chemicals and Minerals: Extraction of volatile liquids with or without heated gases implemented with vacuum as needed.

NEUTRALIZATION—Production of Compounds for Wallboard Manufacturers: Dispersion of calcium oxide into calcium sulphate sludge to neutralize the acidity of the sludge. Resultant material is a dry, free flowing powder.

HEATING—Production of Adhesives: Raising temperature of blended dry ingredients from ambient to about 300° F while completely dispersing the ingredients to form a viscous liquid.



▲ 8" Turbulizer with Feeder and Drives

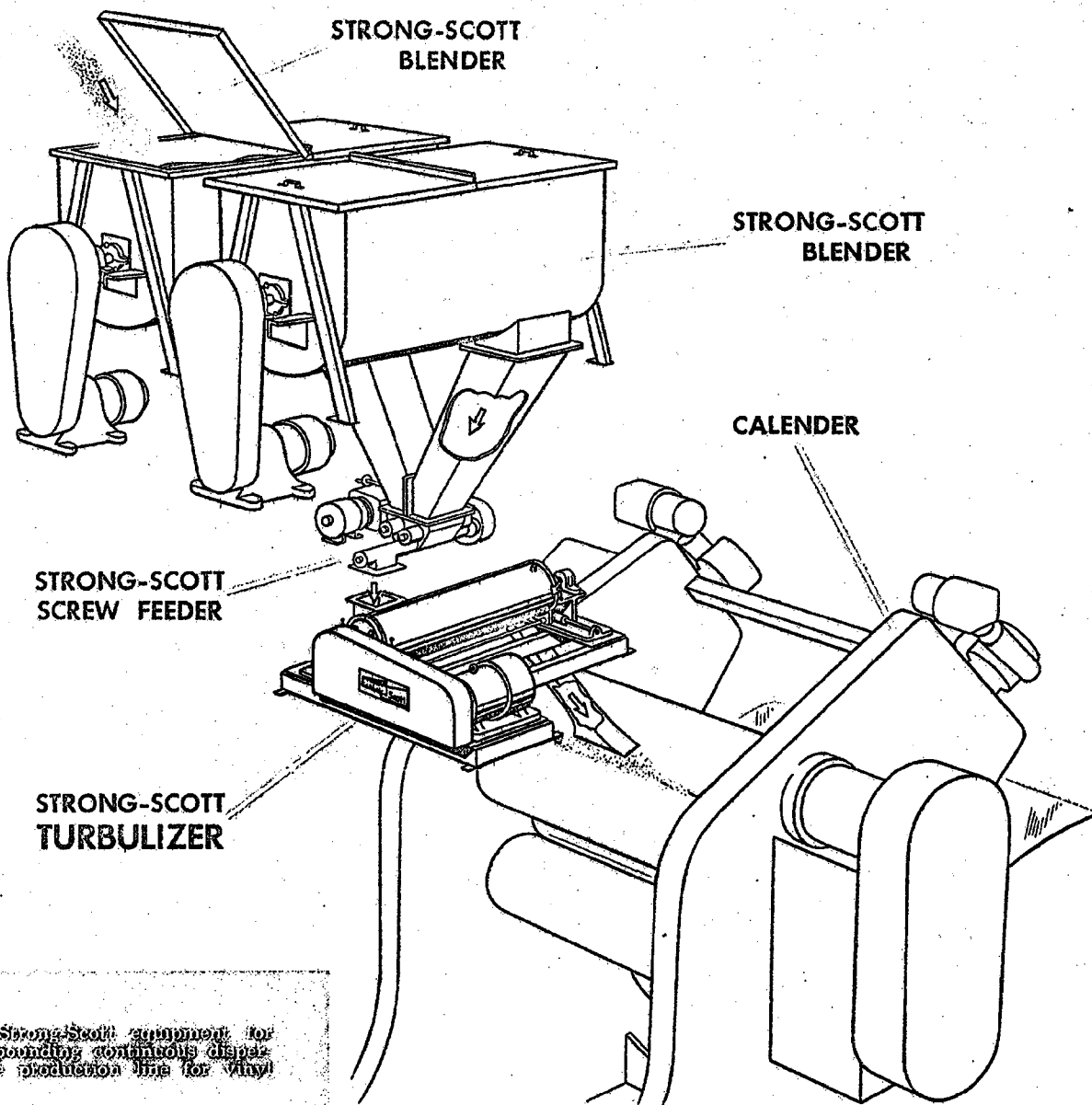


▲ 14" Turbulizer with Feeder and Drives
◀ 8" Turbulizer (Portable) with Drive

new products and new processes are constantly creating new uses for the Turbulizer

TURBULIZER®

IS COMPACT...AND EASY TO INSTALL



EXAMPLE: Strong-Scott equipment for batch compounding continuous dispersion to the production line for vinyl processing.

Strong Scott Mfg. Co.

451 EAST STREET ONE, MINNEAPOLIS 18, MINN.
PHONE SPARKS 1-7451

FIGURE 2000009

MADE IN U.S.A.

May we help you with your processing problem?

If you have a processing problem, please contact Strong-Scott or our representative. We maintain a Customer Testing Service Laboratory equipped with production size equipment to evaluate the application of our equipment to your process. This service and the confidential test report are provided on a no charge basis.

EQUIPMENT DESIGNED FOR BETTER PROCESSING

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