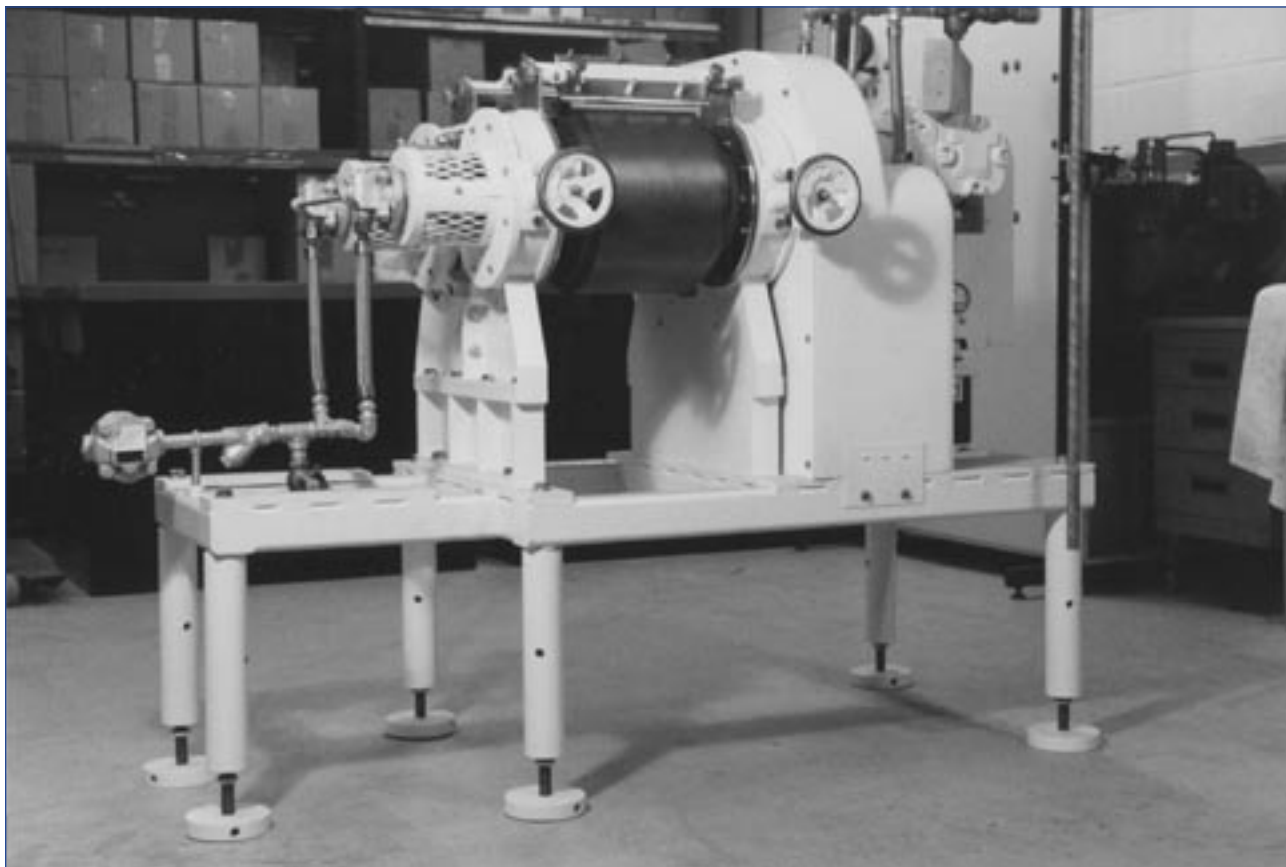




armfield

DRUM DRIER

FT32
Provisional



The Armfield Drum Drier consists of a nip fed twin cylinder drying machine, cast from Meehanite GA, cast-iron with combined endplates and trunnions. The rolls are accurately ground on the circumference, bored internally to ensure even heat transference, and suitable for working with steam at up to 5.5 bar. The rolls are carried in grease lubricated bearings which are housed in circular endplates mounted on the base plate of the machine.

Food Process Engineering and Technology

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DESCRIPTION

Endplates:

The endplates are of circular design, arranged so that the knife bars, feed rolls etc. may be located in any suitable position around the periphery of the roll.

Knife Bars:

The scraper knives are constructed rigidly and are so arranged that they may be used in a universal fashion when the machine is being operated with different types of feed. Adjustment of the knives is by means of hand wheels.

Drive:

Drive to the machine consists of machine-cut spur wheels driven by a pinion mounted on a reduction gear which is an integral part of the variable speed drive unit, giving roll speeds of 0 to 20 rpm.

Safety Gear:

Safety gear of the spring loaded type is incorporated into the machine to minimise damage in the event of foreign matter falling between the cylinders. The roll adjusting gear is also incorporated into the safety gear.

Rotary Unions:

These are provided to permit the introduction and extraction of heating or cooling medium. They are of special design to accommodate steam, water and water-based coolants. Each union is fitted with a length of flexible piping and also included are steam inlet valve, pressure gauge and steam pipe.

EXCLUSIONS

The following are specifically excluded from our supply:

- Siteworks and wiring
- Product feed pipework
- Steam and condensate pipework
- Starters for motors
- Steam supply

TECHNICAL SPECIFICATION

Drum diameter:	305mm
Drum length:	203mm
Heating area of one drum:	0.19m ²
Steam consumption:	1.5kg dry saturated steam @ 7 bar per kg of evaporation

SERVICES REQUIRED

FT32-C:	415V/3ph/50Hz
FT32-D:	208V/3ph/60Hz
FT32-E:	380V/3ph/50Hz
FT32-F:	220V/3ph/60Hz

SHIPPING SPECIFICATION

Volume:	2.0m ³
Gross weight:	635kg

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