



COMMERCIAL MANUFACTURING
TECHNOLOGY

COMMERCIAL MANUFACTURING

EQUIPMENT INDEX

DRY BLENDING

EQUIPMENT	WORKING CAPACITY (Blend density 0.5kg/L)
Y Cone	40Kg - 60Kg
2 x Manesty Drum Blender	80Kg
Matcon IBC Systems	105Kg - 550Kg
Kemutec Ribbon Mixer	225Kg - 275Kg
Gardner Double Cone	200Kg - 450Kg
Kemutec Ribbon Mixer	450Kg - 550Kg
Gardner Double Cone	2250Kg - 2500Kg

WET GRANULATION

EQUIPMENT	WORKING CAPACITY
Planetary Mixer	25Kg

COMPRESSION

EQUIPMENT	TOOLING
Manesty B3B	B Type Tooling
Manesty D3	D Type Tooling
Manesty D4	D Type Tooling
Manesty BB4	B Type Tooling
2 x IMA Comprima	Equipment Specific Tooling
IMA Kilian Pressmatic	Equipment Specific Tooling

ENCAPSULATION

EQUIPMENT	CAPSULE SIZES
Matic 90	4, 2, 1, 0el, 00, Supro Capsule sizes B and C
2 x IMA Zanasi 40E	4, 2, 1, 0, 0el,
Precisa 120 Capsule Checkweigher	4, 2, 1, 0, 0el,

SACHETING / POUCHING

EQUIPMENT
Universal Pack Model NV5-5-C
LA 500 - Mediseal

COATING

EQUIPMENT	DRUM SIZE	LOAD CAPACITY
Manesty Accelacota 75	915mm	25-50Kg
2 x Manesty Premier Coater	N/A	200-350Kg

TABLET IMPRINTING

EQUIPMENT	SPEED
Ackley Adjustable Incline Cantilever Ramp Printing Machine	40,000-50,000 tabs / hr
Ackley Adjustable Incline Cantilever Ramp Printing Machine	160,000-200,000 tabs / hr

EQUIPMENT DESCRIPTION

DRY BLENDING

Y CONE

This type of blender is used in the manufacture of a range of dry blends. It has an operating capacity up to approximately 50Kg of blend.

2 x MANESTY DRUM BLENDERS (80KG)

The diagonal placement of the drum within a hoop, combined with the rotation of the hoop itself produces a uniform, three-dimensional displacement of the material and hence a tumbling mixing action.

GARDNER DOUBLE CONE (UP TO 450Kg)

This type of blender is used in the manufacture of a range of dry blends. It has an operating capacity up to approximately 450Kg of blend. Mixing is achieved by the rotary action of the bin combined with the sliding / shearing action produced by the inclined sides of the bin.

2 x KEMUTEC RIBBON MIXER

Mixer units for the consistent batch blending of powder and granules. Mixing times are rapid whilst maintaining a gentle action. Minor ingredients are dispersed homogeneously without the need for pre-mixing.

2 x MATCON IBC TUMBLING SYSTEMS

IBCs (Intermediate Bulk Containers) are highly efficient blending containers due to their irregular shape.

GARDNER DOUBLE CONE

This type of blender is designed to provide gentle, efficient and repeatable batch mixing of powders by way of slow rotation. Addition of materials to the blender can be via access hatch connection manually or by vacuum transfer system. Maximum capacity is approximately 2500kg and operates at a rotational speed of 10RPM.

WET GRANULATION

PLANETARY MIXER

This mixer has a maximum capacity of 25Kg and operates at variable speeds.

COMPRESSION

MANESTY B3B

A 16-station machine with a tablet output range of 15,000-30,000 tablets per hour (fully tooled).

MANESTY D3

A 16-station, rotary tablet press with a tablet output of 17,000-30,000 tablets per hour (fully tooled). It has a maximum compression force of 65KN.

MANESTY D4

A 20-station, rotary tablet press with a tablet output range of 24,000-60,000 tablets per hour (fully tooled). It has a maximum compression force of 100KN.

MANESTY BB4

A 35-station, rotary tablet press with a tablet output range of 70,000-210,000 tablets per hour (fully tooled). It has a maximum compression force of 65KN. The Manesty BB4 is also capable of producing Bi-layer tablets.

2 x IMA COMPRIMA

A 36-station, rotary tablet press with a unique centrifugal force feeding of material to dies. It has an output of up to 300,000 tablets per hour. The machines are fully automated with pre and main compression force measurement, auto sampler and checker. One of the machines is enabled for clean-in-place (CIP).

EQUIPMENT DESCRIPTION

IMA KILIAN PRESSMATIC

A 20-station, rotary tablet press, operational in 3 modes:

- Normal compression of up to 40,000 tablets per hour output.
- Compression of up to 30,000 tablets per hour when operated as bilayer or dricoat.
- Compression of tablet-in-tablet product. Material is compressed around a previously compressed core.

ENCAPSULATION

MATIC 90

The Matic 90 capsule filling machine features continuous motion, covers medium and high-speed requirements and is capable of dosing powders or pellets. Maximum dosing precision and reliability even at the highest speeds are distinctive features of this capsule fill. The Matic 90 has a range of tooling change-parts (4, 2, 1, 0, 0el, Supro capsule sizes B and C).

1 x IMA ZANASI 40E / 1 x IMA ZANASI 40F

Intermittent-motion capsule machines, producing 6 capsules per cycle. The machines have an output of up to 40,000 capsules per hour and a range of tooling change-parts (sizes 4, 2, 0, 0el and 00). The E version of the Zanasi 40 has an in-process sampler and checkweigher function.

PRECISA 120 CAPSULE CHECKWEIGHER

A 100% automated capsule checkweigher capable of processing 120,000 capsules per hour. The Precisa has a range of tooling change-parts (4, 2, 1, 0, and 0el).

SACHETING / POUCHING

UNIVERSAL PACK MODEL NV5-5-C

An automatic sachet machine that operates by continuous rotating motion. Sachets output at a rate of up to 300 sachets per minute and sachet sizes range from 35 x 50mm up to 200 x 260mm (tooling change-part dependent). The machine operates with an auger dosing system.

LA 500 - MEDISEAL

An automated sachet and cartoning machine by continuous rotating motion. Maximum output of the LA500 Sachet machine is 900 sachets per minute with the possibility of generating up to 10 lanes of sachets. Maximum sachet dimensions are 125mm x 160mm

COATING

MANESTY ACCELACOTA 75

Perforated coating pan, suitable for aqueous coating systems. The coater has a wash in place facility.

2 x MANESTY PREMIER COATER

Perforated coating pan, suitable for aqueous and solvent coating systems. The coater has a Clean-in-Place (CIP) facility.

TABLET IMPRINTING

2 x ACKLEY ADJUSTABLE INCLINE CANTILEVER RAMP PRINTING MACHINES

The smaller machine can imprint 40,000 - 50,000 tablets per hour, while the larger machine can produce 160,000 - 200,000 imprinted tablets per hour.



If you require any further information,
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