

Gamlen M series

# Small scale tablet manufacture for your laboratory or manufacturing facility

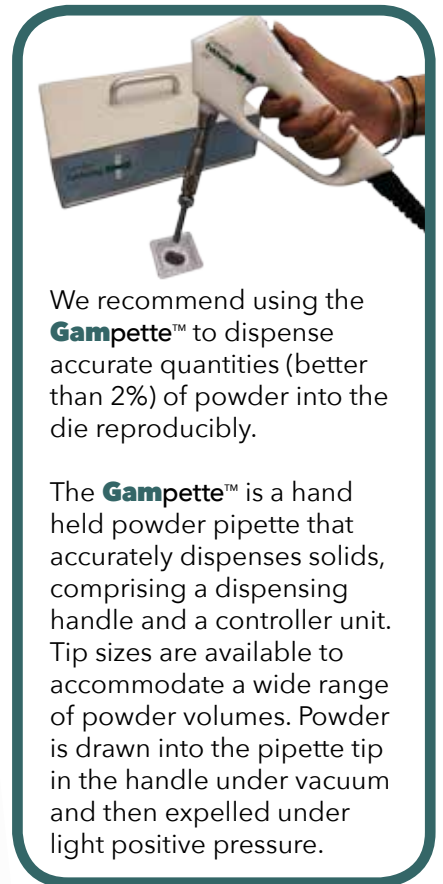
Create, test and manufacture from your laboratory benchtop

- Plug in and go
- Works straight out of the box
- No training required
- Push-button control panel
- Tablet quality controlled on each tablet by control of compaction force and tablet weights
- Manufacturing losses minimal (<1%)
- Suitable for use in a protected and controlled GMP environment (eg isolator)
- Output 100-180 tablets per hour
- Compression mix dispensed using **GamPette™** (included with machine)
- Two speed options: 1 mm/s and 4 mm/s



**Gamlen**®  
Instruments 

# Your quick route to manufacturing small batches of tablets under tightly controlled conditions



We recommend using the **Gampette™** to dispense accurate quantities (better than 2%) of powder into the die reproducibly.

The **Gampette™** is a hand held powder pipette that accurately dispenses solids, comprising a dispensing handle and a controller unit. Tip sizes are available to accommodate a wide range of powder volumes. Powder is drawn into the pipette tip in the handle under vacuum and then expelled under light positive pressure.

## Gamlen® M series unique benefits include:

- Quick and easy to use with tiny amounts of material Improves tablet manufacturing process
- Very low wastage rates, normally less than 1% Being able to check product quality prior to putting batches onto production presses
- Can be used in controlled humidity environment Saves time, money and materials

## Using the Gamlen® M series you'll be able to:

- Quickly compare formulations
- Test small quantities of material down to 10 mg
- Manufacture preclinical and phase 1 product
- Ideal for investigating tableting problems

## Applications

- Manufacture of test product batches
- Formulation comparisons
- Excipient compatibility samples
- Manufacture of phase one clinical trials material

## Quick and easy to operate

- The Gamlen M series offers a quick route to the manufacture of small batches of tablets under tightly controlled conditions.
- Sample powders (we recommend using the **Gampette™** - accuracy  $\pm 2\%$  or better for most materials).

## Performance

- 1 Manufacturing rate approximately 100 tablets per hour.
- 2 The product can be manufactured under completely controlled compaction conditions including compaction rate and compaction force (all tablets) and temperature and humidity when used with glove box).
- 3 Doses as low as 10mg, lower in some cases.
- 4 Product yield essentially 100% - NO LOSS of valuable or scarce products.



## M SERIES SPECIFICATION

Tablet punch size	2-15 mm diameter
Material capacity of the die	2-400 mg
Tablets/min	3
Maximum load	500 kg
Load cell travel	30 mm
Test height	Depends on pillar extension length. Maximum extension of 300 mm
Load selection	User selected on instrument panel
Operating speed	240 mm/min
Calibration	Dead weights in kg or proving ring
Power requirements	1.6 A (External selection via fuse holder) 110/120 VAC 3.15 A or 220/240 VAC
Machine dimensions	310 w x 270 d x 375 h
Machine weight (without accessories)	16 kg
Shipping size	390 x 350 x 390 or 460 x 430 x 480
Shipping weight approx	20 kg

**Have a question? Like a quotation? Want to see a demonstration?**

Then email [michael.gamlen@gamlentableting.com](mailto:michael.gamlen@gamlentableting.com) or call us now on **+44 115 912 4271**

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