

### 3. PURPOSE

CHECKMASTER 4 is a tablet tester with internal feed chute, round collector with 8 glasses and a waste container to test tablets for weight, thickness, diameter and hardness.

### 4. TECHNICAL DATA

#### Weigher:

Precision weigher	Mettler AB54
Unit of measure	mg or 0.1 mg

#### Thickness gauger:

Drive	Stepping motor
Measuring principle	Linear potentiometer
Unit of measurement	mm or inch
Measuring range	1-17 mm
Measuring accuracy	+/- 0.1 mm

#### Hardness tester:

Drive	Stepping motor
Force measurement	Load measuring cell (LMZ)
Measuring principle	Resistance strain gauge (DMS)
Units of force N, Kp or Sc	
Measuring range	2-300N (800 N Option)
Measuring accuracy	+/- 1N (+/- 2N at 800 N))
Force increase in the DMS	approx. 250N/sec
Work speed of pressing jaws	approx. 3,5 mm/sec
Fast speed of pressing jaws	approx. 8,5 mm/sec
Reverse speed of pressing jaws	approx. 8,5 mm/sec

#### Diameter:

Drive	Stepping motor
Measuring principle	Stepping motor
Unit of measurement	mm or inch
Measuring range	1-30 mm
Measuring accuracy	+/- 0.1 mm
Mains connection	90-132V/180-264V, 50 Hz/60 Hz