



# BEARING & TOOL CENTRE



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## Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

### Quotation

69 | Tablet Hardness Tester

| Model   | Monsanto Type | Pfizer Type |
|---------|---------------|-------------|
| Rs.     | 3150          | 3000        |
| Catalog | Page No.- 2,4 | Page No.-3  |

### Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.



**MONSANTO TYPE**

### **TABLET HARDNESS TESTER**

Tablet Hardness Tester has a unique application and utility in pharmaceutical industry. Tablets in the form of compressed dosages should be hard enough (when properly packaged) to withstand the normal shocks and vibrations of shipment. Tablets must disintegrate to fulfill their purpose. Excess hardness slows down the process of disintegration and makes scored tablets difficult to bisect. Also, the additional machine pressure expended to compress tablets to excess hardness results in undue wear on punches and dies. We at Popular Science has long been aware of the need for a hardness testing device that would be fast and easy to use yet accurate. Such an instrument has been developed by us and is now available to the industries.

#### **PRINCIPLE OF OPERATION:**

Utilizes the principle as a force exerted by pressing the material between two solids. Light & compact, it can be used in the laboratory or at the tableting machine. As the tablet is crushed in the jaws of the Hardness Tester, the force is recorded on a indicator calibrated in force unit. Safe Testing capacity is 20 Kgs. Least count is 500 gms. Hardness Tester provides an improved method for determining tablet hardness, offering ease and accuracy and reliability of results.

### **HOW TO OPERATE**

A multiple rotation of hand grip pressing the spring against two solid materials generates the breaking force. Stop the hand movement there & then only and the pointer indicates the exact force required to break. This simple action makes Tablet Hardness Tester faster than most other types.

#### **PROCEDURE**

1. Hold the Tablet Hardness Tester in vertical position.
2. Adjust the gap between the jaws as per the size of the tablet by rotating the screw.
3. Place the Tablet between the jaws so that it doesn't fall.
4. Adjust the zero i.e. loose the two screws holding the indicator plate and move it accordingly so that the pointer rests at zero mark.
5. Start rotating the Back Screw forward so that Tablet starts getting pressed between the jaws. As the tablet breaks, stop your hand movement immediately.
6. The breaking force is registered on the Indicator strip directly calibrated in the kgs.
7. Measure the breaking force. The least count of the indicator Strip is 500gms and the full range is 20Kg.



*Pfizer Type*

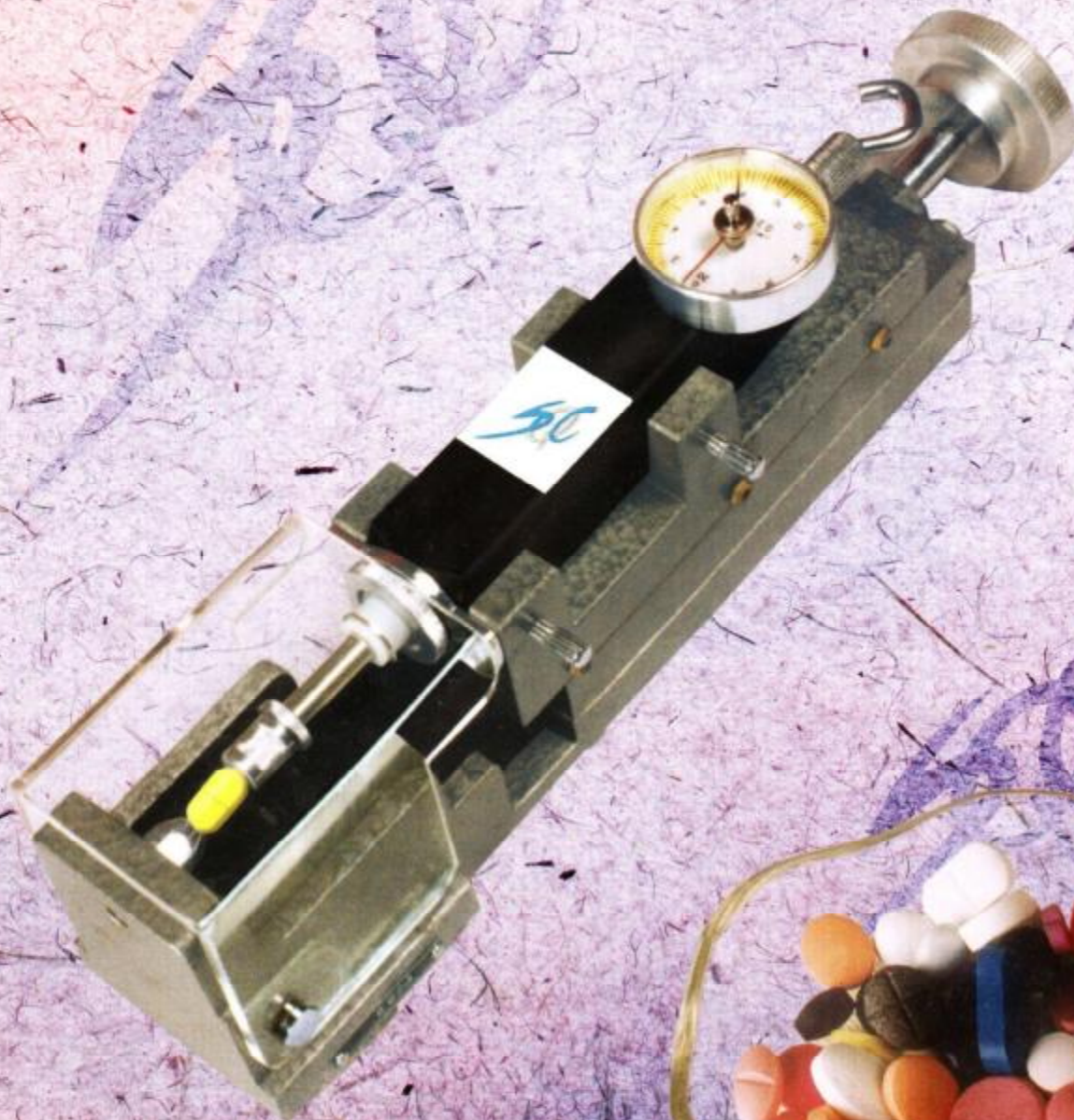
# Monsanto Type





# tablet

# hardness tester





## Features :

- It consists of a Force gauge & a Slide mounted on a bracket. Slide is operated by handwheel.
- Force gauge can be checked for accuracy separately.
- Traceable certificate provided if required.
- Zero adjust for spot calibration.
- Initial holding force is accounted for unlike Monsanto.
- Red Pointer retains the maximum reading.
- Acrylic dome cover prevents broken tablet pieces flying off all over.

## Specifications :

Model : Table Model / Max. Tablet Length = 55mm

Range / Resolution



Kg. 0-10 / 0.1



Kg. 0-20 / 0.2



Kg. 0-30 / 0.25

Weight 4 Kg / Dimensions : 380 x 70 x 110 mm.