

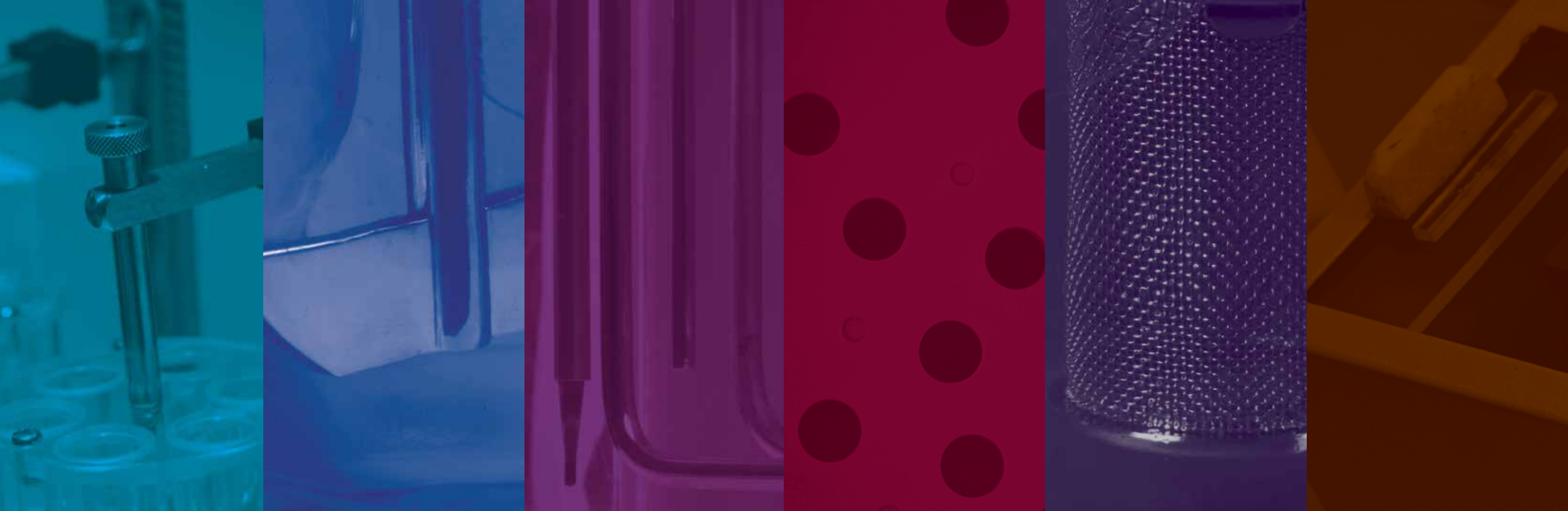


VEEGO

EXPERTISE THROUGH EXPERIENCE

RANGE OF **TABLET TESTING** INSTRUMENTS

www.veego.in



ABOUT US

VEEGO A TRUSTED NAME IN CHEMICAL, PHARMACEUTICAL, PETROCHEMICAL INDUSTRIES FOR QUALITY INSTRUMENTS.

The company was established in the year 1976 to design and manufacture scientific analytical instruments for research development and quality control laboratories.

Main objective of the company is to cater requirement of local industries, offer them simple, compact, reliable and easy to operate instruments. Pioneering experience in the field of sophisticated

instruments, a team of highly experienced instrumentation, electrical engineers, software professionals and chemists form a strong back bone of the company.

Strong technical support and excellent customer relationship contributed to quick growth. During these three decades 'VEEGO' products have

gained good reputation for reliability, accuracy and simplicity. 'VEEGO' products are known to almost all industries in India. To promote overseas business, Progressive Instruments started exports of 'VEEGO' products. Over 40 years we pride ourselves as leading manufacturer of wide range of scientific instruments and equipment.

OUR MISSION

To offer range of instruments having:

- Excellent Reliability.
- Good Quality.
- Ingenious Simplicity.
- Competitive Price.

QUALITY ASSURANCE

Management experts, highly qualified and experienced professional staff are the strong support to quality management system. Our dedicated team guarantee the performance of each and every instrument we manufacture.

COSTUMER CARE

We are committed to

- Understand Customer Requirements.
- Offer best service.
- On-Time delivery.
- Provide Technical support.

Tablet Disintegration Tester

Tablet Dissolution Tester

Tablet Friability Tester

Tap/Bulk Density Tester

Tablet Hardness Tester

Leak Test Apparatus

TABLET DISINTEGRATION TEST APPARATUS

The disintegration tester measures time required under a given set of conditions for tablets to disintegrate into particles. Generally, this test is useful as a quality assurance tool for conventional dosage forms.



VTD-DV

- Two Baskets as per IP/BP/USP Standards are supplied.
- Microcontroller based circuit to control the temperature of water bath.
- PT-100 Sensor for sensing the temperature.
- Optically isolated solid state latch for water bath.
- User friendly and easy to operate 4 X 4 matrix key board.
- Non volatile memory.
- Pause facility: This feature enables the operator to check Disintegration state of the tablets and continue the test without disturbing test parameters.
- All models of Disintegration Test Apparatus meet International Standards with respect to Calibration, Validation and IQ, OQ requirements.
- Microcontroller based circuitry to precisely control, indicate and program temperature of water bath and beaker individually.

- Equipped with single stepper motor.
- Memory to store 25 test methods.
- Informative blue graphic display.
- Illuminator for clear view of Disintegration process.
- Self validation of Cycles per minute with On / Off line printing.
- DT-Time of individual tablet monitored and can be recorded.
- Parallel port printer interface

VTD-D

- Economical digital Tablet Disintegration Test Apparatus.
- Informative 4 line LCD screen to display messages.
- Sturdy motor for constant speed of DT strokes.

PROGRAMMABLE DIGITAL TABLET DISINTEGRATION TEST APPARATUS WITH VALIDATION AND PARKING FACILITY



VTD-AVP

An advanced version of Model : VTD-DV with additional features like:

- Each basket can be programmed independently.
- Equipped with two stepper motors for individual baskets.
- Both baskets will be parked above media before and after the test automatically.
- Larger graphic display.
- Software as well as hardware protection for over temperature of heater.
- Password protection at different levels.
- Date and product selection in off line printing mode.
- Memory to store 48 test records and 95 test methods.
- QWERTY key board incorporated for easy data entry.
- Power failure indication program incorporated.
- Two different batch products can be analyzed at a time.
- While one test is in operation the second can be activated.

SPECIFICATIONS:

- Number of Strokes : 30 Strokes/min.
- Temperature Range : 2°C above room temperature to 40.0°C
- Time : Settable from 1 min to 240 min.
- Heater : 750 watt
- Power consumption: 230V, 50Hz, 1.2KW (approx.)

OPTIONAL ACCESSORIES:

- Bolus basket with three tubes.
- Bolus basket with single large tube.

Photographs of accessories on page 18.

ADVANCED PROGRAMMABLE DIGITAL TABLET DISINTEGRATION TEST APPARATUS WITH VALIDATION FACILITY



VTD-4AVP

Instrument is same as of Model : VTD-AVP with additional features like:

- Four different batch products can be analyzed.
- Larger graphic display.
- Software as well as hardware protection for over temperature of heater.
- Indicates individual vessel temperature.
- Password protection at different levels.
- Date and product selection in off line printing mode.
- Memory to store 48 test records and 95 test methods.
- QWERTY key board incorporated for easy data entry.

- Power failure indication.
- All instruments work on 230 Volts A.C.
- Supply Supplementary components to support other supply volatges available on request.

DISINTEGRATION TESTER FOR SUPPOSITORY TABLETS

The disintegration tester determines whether suppositories soften or disintegrate within a prescribed time when placed in an immersion fluid under experimental conditions.



VTS-P

- Designed for the measurement of disintegration time of pessaries and suppositories.
- LCD display screen to indicate test parameters.
- Automatic rotation through 180 degree and selectable cycle time.
- Built-in circulation pump to maintain the Temperature between 36.0°- 37.0°C.
- Three samples are tested at the same time.
- The instrument meets requirements of the pharmacopoeias.
- Attachment to test Disintegration Test Time of Peccaries.
- All instruments work on 230 volts A.C. supply.
- Supplementary components to support other supply voltages available on request

- All instruments work on 230 volts A.C. supply.
- Supplementary components to support other supply voltages available on request

Photographs of Accessories on pg. 18

MICROCONTROLLER BASED DIGITAL TABLET DISSOLUTION TEST APPARATUS

Dissolution is considered one of the most important quality control tests performed on pharmaceutical dosage forms.

The instrument is designed to determine the rate of release of medicament in the tablets or capsules, under specified conditions.



VDA-8D

- 8 Station dissolution tester with Graphic display to indicate RPM, Time intervals, Test time etc.
- 8 No of easy to attach and detach Press fit wobble free stirrer shafts.
- Incorporated with circulation pump to maintain constant water-bath temperature.
- Molded water-bath with non corrosive tank plate.
- Adjustable height cannulas to withdraw sample.
- User friendly key board as also QWERTY key board for easy data entry.
- 149 Test Methods with 24 different time intervals.
- Protection for over temperature of heater through software as well as hardware.
- Individual vessels centering.
- Password protection at different levels.
- Serial printer port interface for On line/ Off line print facility.
- Date and product selection in Off line printing.
- Power failure indication program.
- RPM:25 TO 200.
- Temperature range: 2°C above room temperature – 40. 0°C with accuracy $\pm 0.2^\circ\text{C}$.
- Complies with USP/IP/BP standards.

DIGITAL TABLET DISSOLUTION TEST APPARATUS

Microcontroller based dissolution tester with 8 Vessels.



VDA-8D (ARM)

- 8 Station dissolution tester with Graphic display to indicate RPM, Individual vessel temperature, Time intervals, Test time etc.
- 8 No of easy to attach and detach Press fit wobble free stirrer shafts.
- Incorporated with circulation pump to maintain constant water-bath temperature.
- Molded water-bath with non corrosive tank plate.
- Provided with Tablet Dropping system.
- Sampling probes to withdraw required sample with syringes.
- Indicates individual vessel Temperature.
- User friendly key board as also QWERTY key board for easy data entry.
- 149 Test Methods with 24 different time intervals.
- Protection for over temperature of heater through software as well as hardware.
- Individual vessels centering.
- Password protection at different levels.
- Serial printer port interface for On line / Off line print facility.
- Date and product selection in off line printing.
- Power failure indication program.
- RPM: 25 TO 200.
- Temperature range: 2°C above room temperature – 40. 0°C with accuracy $\pm 0.2^\circ\text{C}$.
- Complies with USP/IP/BP standards.

AUTO SAMPLER UNIT WITH SYRINGE PUMP, FOR DISSOLUTION TEST APPARATUS

A multi-syringe dosing pump is designed specifically for parallel sample withdrawal and dosage of media from a dissolution bath into open vials inside a fraction collector. It operates with multiple valve system. It is equipped with replaceable high precision glass syringes. The syringe dosing pump is available as part of the offline 8 station dissolution system package.



VAS-S8

FEATURES:

- 6 x 10 sampler unit for 8 STATION Dissolution system
- Automatically performs Rinsing, Sampling and Replenishing operations.
- Auto sampling unit operates each time after receiving signals from main dissolution system.
- High precision glass syringes (10ml) with motorized valve capable of handling various type of samples.
- User friendly programming with graphic display and local key board.
- Simple validation procedure.
- Accurate positioning of dispensing arm with respect to the vial tray for zero spillage
- Clean cycle after every test

SPECIFICATION :

- Number of Syringes :6
- Number of sample vials : 60
- Dimensions: 500 x 330 x1 330 mm, 410 x230 x200mm, 640 x380x430mm
- Power supply : 230 volts, 50 hz
- Power consumption : 500 watts

SIMILAR PRODUCT:

Auto sampler unit : Model : VAS-S14 with syringe pump for 14 station dissolution system available

DIGITAL TABLET DISSOLUTION TEST APPARATUS

Microcontroller based dissolution tester with 14 vessels.



VDA-14D

14 Station instrument same as Model : VDA-8D(Arm).

OPTIONAL ACCESSORIES

VDA-8D/VDA-8D(ARM)/VDA-14D

- Validation Kit.
- Autosampler with syringe pump.
- Basket holders available in clip as per USP specifications, with "Special Rubber O Ring".
- Paddle over disc (USP apparatus 5).
- Sinkers (different sizes).
- Felodipine (stationary basket).
- Transdermal Cylinders (USP apparatus 6).
- Adjustable height cannula.
- Baskets in 10, 20, 40 mesh (SS316 & Gold plated available).
- 250 ml vessel with conversion kit to fit the

- assembly in existing instrument.
 - Simultaneous tablet dispensing attachment.
- Intrinsic apparatus with required accessories.

All instruments work on 230 volts A.C. supply. Supplementary components to support other voltage available on request.

Photographs of Accessories on pg. 18

DIGITAL ADVANCED TABLET FRIABILITY TEST APPARATUS WITH VALIDATION FACILITY

This instrument simulates environment, tablets are subjected to during manufacturing, packaging and distribution process. It is used to determine durability and abrasiveness of tablets.



VFT-DV

- Latest Microcontroller based circuitry.
- Two line Alpha-Numeric display.
- User friendly key board for data entry.
- 2 drums front loading system.
- Interlocking mechanism to ensure correct drum position.
- Tablets can be inserted in the drums, without detaching the drums from the assembly.
- Facility to attach abrasion and friability drums.
- 10° tilt facility.
- Validation facility.
- Parallel port printer and balance interface

Photographs of Accessories on pg. 18

VFT-ADV

Instrument same as model : VFT-DV with following advanced features

- 3 level password protection.
- Three tier operator hierarchies will be provided for security and instrument access.
- User has to enter correct user ID and password to access their authorized jobs.
- Test Result Printout should be approved by signature of authorized personnel.
- For Test report: Serial port.
- 25 to 50 Variable RPM
- Display: 128X64 alphanumeric informative LCD screen.

TAPPED/BULK DENSITY TEST APPARATUS

This unit is used for measuring bulk/tapped density of powder, granules, pellets etc. that has been tapped, to settle contents in a container under specified conditions.



VTAP/MATIC-II

- Suitable for both USP I & USP II methods.
- Automatically calculates Tapped Density, Compressibility Index, Housner Ratio etc.
- Simultaneous tapping and rotating movement provided.
- Parallel port printer interface.
- All instruments work on 230 volts A.C. supply
Other supply voltages available on request.

HARDNESS TESTER

Once ejected from compressing machine, a tablet requires certain amount of mechanical strength to withstand the shocks of handling, in its manufacture, packing, shipping and dispensing. This instrument detects breaking hardness of tablets.



HARDNESS TESTER DIGITAB-SPV

A compact microcontroller based mechanical strength testing machine of Tablets, specially designed to measure HARDNESS of tablets sequentially.

FEATURES:

- Testing Parameters: Hardness 200 gm to 25 kg.
- Hardness Display Units: Kp, Kg, N, Lb, Sc.
- Measuring accuracy: Better than 1 N.
- Calibration: Test weight range – user selectable (5kg/10 kg std. weight)
- Validation: Can be done through certified weights.
- Interface: RS232 serial port.

AUTOMATIC HARDNESS TESTER



VDIGITAB-1

ADVANCED VERSION OF MODEL
DIGITAB-SPV

FEATURES:

- User friendly programming through local tactile keyboard and external QWERTY keyboard.
- Dot Matrix printer interface.
- RS232 interface for electronic balance.
- Statistical analysis including Mean and standard deviation.
- Selectable Units: Kg, Kp, N(Newton) or Strong Cobb.
- User selectable shape of tablet.
- Easy validation mode for Diameter and Weight.
- Memory to store more than 50 test reports and 99 test methods.
- Different level password protection.

SPECIFICATIONS:

Measuring principle :	Electronic Load Cell with solid state strain gauge.
Measuring Range :	1N- 400 N.
Measuring Accuracy :	Better than 1 N.
Diameter :	45 mm.
Max no of samples/batch :	25 tablets
Unit Weight :	25 kg.
Input Power :	230 VAC, 50 Hz

LEAK TEST APPARATUS

Designed and applicable in air proof test of blister pack, strip, foodstuff, pharmaceuticals, dairy and other industries for leak tests.



The Instrument detects smallest leaks and holes in Tablet Blisters and other flexible, semi-rigid packages. The process is being divided into various stages. Vacuum is created as per the desired value, Vacuum pressure is exposed to stress the package to exact set time.

The vacuum is released after the set time and samples are kept under the atmospheric pressure for required time. This ensures that the colored water is penetrated even into fine holes.

VLT-A

- Display Indicates Set and Actual VACUUM LEVEL.
- VACUUM LEVEL can be set as per requirement up-to-600 mmHg.
- Settable Retention Time, Start delay Time and Vacuum hold Time.
- Automatic release of Vacuum pressure.
- Serial port interface for dot matrix printer.
- 20 x 4 alphanumeric informative LCD screen.

DIGITAL AUTOMATIC LEAK TEST APPARATUS



VLT - ADV

- Complete Automatic System.
- Password protection: Three tier operator hierarchies for security reasons.
- Password expiry duration can be edited.
- Automatic Release of Vacuum Pressure.
- Result outcome printout facility with signature of authorization.
- Facility to Validate vacuum level.
- QWERTY Keyboard connectivity.
- 240 x 128 alphanumeric informative LCD screen.
- 4 x 4 matrix self-explanatory key board.

SPECIFICATIONS OF MODEL VLT-A & VLT-ADV

Incorporated with inbuilt diaphragm (oil free) vacuum pump.

Desiccator :	300mm Polycarbonate vacuum desiccator
Instrument Body :	SS 304
Instrument Dimensions :	290 mm x 470 mm x 260 mm
Power Supply :	230 VAc, 50/60 Hz

Accessories For Disintegration Test Apparatus



Disintegration Basket



Bolus Basket with 3 Tubes



Bolus Basket with Single Tube



Stand and Baskets for Suppository & Pessaries

Accessories For Dissolution Test Apparatus



Degree Protractor



Tachometer



Dial Gauge



Dissolution Accessories



Paddle & Basket



Centering Disk

Accessories For Friabilator



Abrasion Drum



Friability Drum

COUNTRIES WE EXPORT



OUR ESTEEMED CLIENTS





The Other Range Of
Products We Offer:

Karl Fischer Titrators

Potentiometric Titrators

Melting Point Apparatus



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