Polymers

Films

Laminates

Packaging

Pipes

Automotive

Rubber Textiles



Pharma

Medical Devices

Cosmetics

Food

TENSILE COMPRESSION FLEXURAL PEEL / BOND SEAL COF **WVTR** OTR

LEAK

TORQUE

GLOSS 🕖

HAZE

OPTICAL DENSIT

COLOR

HYDROSTATIC PRESSURE IN PIPES

PIPE BURST

FALLING WEIGHT

THERMO CYCLING

RCP

CARBON BLACK DISPERSION

NOTCH MILLING MACHINE



VATE LIMITED



HEM TECHSYS PRIVATE LIMITED

Popularly known as **HEMTECH**

About us

HEMTECH is a company established and run by Technocrats. HEMTECH is focussed in the field of Testing Instruments and Automation Systems for Polymer, Films & Laminates, Packaging, Pharma Packaging, Polymer Pipes, Textiles & Technical Textiles, Automotive Industries. HEMTECH works very closely with all reputed Institutes and Industries in the filed and so have good exposure and experience in the respective fields.

HEMTECH is Committed to bring to you world's best and latest technology Instruments as Authorised Agent for world renown companies in their respective fields. HEMTECH also expanded activities by also establishing local manufacturing facility with near Imported Quality Value for Money Instruments for the Quality Conscious Indian and foreign customer. Thus HEMTECH has unique balance of world class imported Instruments and near Imported Quality best in class locally manufactured Instruments under the registered trademark brand of **HEMTECH**.

Team

HEMTECH is a young and Dynamic team of

- **Electronics Engineers**
- **Mechanical Engineers**
- Software Development Engineers.

- Instrumentation Engineers
- **Electrical Engineers**

Positive Attitude, Hard Work, Sincerity, Honesty and Team work is the core strength of the team HEMTECH.

Service

HEMTECH believes in COMPLETE services. Our team believes that Service starts even before selling the Instrument or System. At HEMTECH Services are package of



Pre-Sales



Installation & Commissioning



& Maintenance



Training & **Tech Support**



Calibration



Divisions

We at HEMTECH believe that better focus gives better results. Hence, we have divided our company operation in divisions.

- Sales Division Pre-Sales Service, Sales, Application Support, Liaison...
- Service Division Installation & Commissioning, Training, Repairs & Maintenance, Technical Support, Calibration...
- D & D Division Design, Development of Instruments, Electronics, software, Retrofits...
- Manufacturing Division Manufacturing of Instruments, Accessories, SPM
- Testing Division Testing Facility for Industries on Commercial bases...

Achievements

- National Award for Innovation in Technology by Ministry of Chemical & Fertilisers 2011
- National Award for Innovation in Technology by Ministry of Chemical & Fertilisers 2012
- Development of Instrument for Mozzarella Cheese Testing for Anand Agriculture University
- Development of Retrofit kit for Imported HOT TACK TESTER ~



Tensile Tester

Microcontroller based LCD Display & Keypad Micro-stepping / Servo Drives High Data Rate Built in RS 232 Interface

Self Identification Loadcell Accurate Force Measurement. Wide Speed Range

hemWIZARD - WINDOWS based Software for Control & Data Acquisition

Friction Tester COF

Microcontroller based LCD Display & Keypad Micro-stepping / Servo Drives High Data Rate Built in RS 232 Interface



hemWIZARD - WINDOWS based Software for Control & Data Acquisition



Pressure Pulse based **Dwell time Control**

Elmendorf type

Printer Option

Digital

Tear Tester

Peel-Bond Tester

Microcontroller based LCD Display & Keypad Micro-stepping / Servo Drives High Data Rate Built in RS 232 Interface

hemtec

Self Identification Loadcell Accurate Force Measurement. Wide Speed Range

hemWIZARD - WINDOWS based Software for Control & Data Acquisition

> Heat Sealers Microcontroller based LCD Display & Keypad

> True Pressure Measurement Dwell time Self Tuning

Stiffness Tester

Moisture Balance

Halogen heating Accurate

Repeatable

Models up to

0.001% available

HAZE METER

Resolution

Analogue Version

Balloon Burst Tester

Meets ASTM Digital Peak Hold

Restraining Plates

Falling Dart Impact Tester



Method A Method B

Built In Vacuum Pump Pneumatic Clamp assistance

Automatic Dart Release system





Desktop Model

Hand Held Model



GLOSS Meter



Tri-angle (20,45 & 80 deg)

Single angles Models



OPTICAL DENSITY Meter

0 to 5.00 D Accuracy : +/-0.02D Measures TRANSMITTANCE & HAZE Confirms to Standard ASTM D 1003 Integrating Sphere Senor



90 Degree Peel Tester

Keeps Peel Angle Constant

180 Degree Peel Tester

Keeps Peel Angle Constant at

Digital

Digital

180 deg

at 90 deg

Ancillaries for Paper, Corrugated Sheet Testing Instruments



Bursting Strength Tester

Digital Manual clamping

Optional Pneumatic lamping



Core Strength Tester

Digital Paper Core

Optional Fixtures for various sizes.



BOX Compression Tester

Digital Pneumatically Operated Accurate Force Measuring system

Different Models as per Platform size available.



Loop Tack Tester

Digital For testing Adhesive Tapes



2 stations to 30 stations models

Digital Timer Battery Operated Auto Hold Test end sensing



Bottle Compression tester

For Top Load Test



Dynamic Shear Adhesion Tester

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Package Testing Instruments

Automated

Package Tester

Suitable for performing

Seal Strength Test (Burst, Creep, Creep-to-Failure) Porous & Non-Porous Flexible Packages

Leak Integrity Test Leak Test for Non-Porous Flexible Packages



LEAK & LEAK / FLOW TESTERS



Suitable for performing

- ✓ Leak Test
- ✓ Leak / Flow Test
 ✓ Leak / Occlusion
 - Leak / Occlusion Test

NIST Traceable

Resolution

0.0001 psi

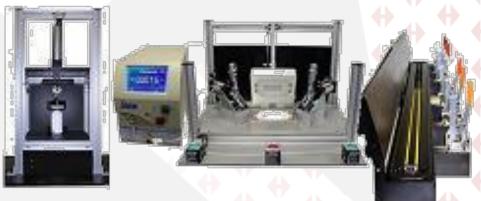


NON DESTRUCTIVE LEAK TESTERS

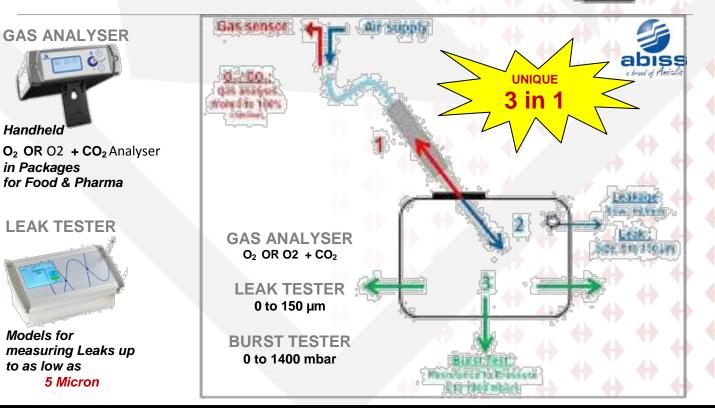


Suitable for performing

- Induction sealed Bottles
 Blister Backs
- ✓ Blister Packs
- ✓ Vials
- ✓ Medical Devices



Pressure or Vacuum Decay



Permeability Testers For Films & Packages



Product Range :

WOCP1 3 in 1 Instrument

WOP1 & WOP2 2 in 1 Instrument

OP2+ Both side RH Control

WP1 & WP2 Water Vapour Transmission Rate - WVTR

Compensatio

OP1 & OP2 Oxygen Transmission Rate - OTR

CP1 & CP2 Carbon Dioxide Transmission Rate – CO2TR

OP1E - Economical Oxygen Transmission Rate - OTR

CARBP1

for Carbonated Beverage Bottles Carbon Dioxide Transmission Rate CO2TR *Gives result in an Hour which normally takes weeks !!!* Meets Latest Standards

WVTR : ASTM F 1249 OTR: ASTM D 3985, F 2622 CO2TR : ASTM F2476



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The Art of Permeation

Measuring Range

Test Range H2O 0.002-100 g.m-².24h⁻¹.bar⁻¹ (unmasked) 0.04-2000 g.m-².24h⁻¹.bar⁻¹ (masked)

Test Range O2 0.01-15000 cm³.m-².24h⁻¹.bar⁻¹ (unmasked) 0.2-80000 cm³.m-².24h⁻¹.bar⁻¹ (masked)

Test Range CO2 0.25-18000 cm³.m-².24h⁻¹.bar⁻¹ (unmasked) 20-360000 cm³.m-².24h⁻¹.bar⁻¹ (masked)

Only of its kind in World Market

Only of its kind in World Market

Only of its kind in World Market

- ✓ Fully Computer Controlled
- ✓ Single Cell or Two Cell Models
- ✓ Temperature Control 10 50 °C (+/- 0.1 °C)
- ✓ Humidity Control from 5 to 95% (+/- 1.5%)
- ✓ 100% Humidity Mode
- ✓ 0% Humidity Mode (for O2 & CO2)
- $\sqrt{}$ Allows sample thickness up to 2.5 mm
- $\sqrt{}$ Automatic Flow Control (10 75 ml/min)
- √ Unique Closure System–No need to cut samples !
- $\sqrt{}$ Data storage & Graph Storage for viewing later on
- √ LABVIEW based latest Software
- $\sqrt{}$ Latest USB Interface !





HOT TACK TESTER



What is NEW !!!

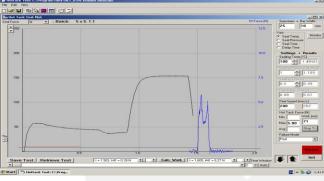
NEW

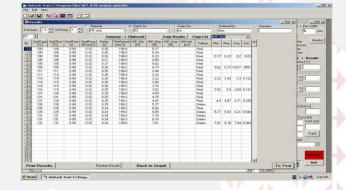
- ✓ USB interface
- ✓ Windows 7 Operating system (Option for Win8 is available)
- ✓ Test software Wintack ver. 11
- Indication of Actual Sealing
 Temperature on the Instrument.
- ✓ Improved Hardware

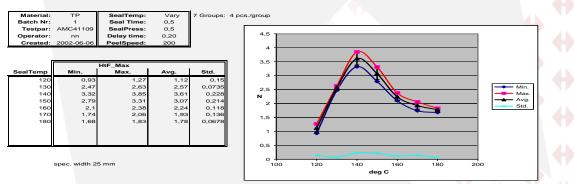
Auto -Digital Pressure Regulation

Controls

Sealing Temperaturel Sealing Pressure Dwell Time Delay Time







TORQUE TESTER

Manual torque Tester



Micro-controller based Digital Operating Console with Key pad & LCD Calibration facility

Motorised Torque Tester

- ✓ Compact Size
- ✓ Constant Speed Drive
- ✓ LCD Display & KEYPAD
- ✓ Calibratable in the Field
- ✓ Wide Operating Temperature Range
- ✓ Non-destructive Testing
- ✓ RS-232 Port

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SE OAKLAND

Thickness Measuring Systems

Offline Film Profile Gauge – CX Series





Capacitance Probe

Excellent Stability

RS 232 Interface SOFTWARE

PANTENTED TECHNOLOGY

Unique RWFERENCE SENSOR Unique AUTOCAL system (CX 1020)

Thickness Calibration Facility based on :

✓ Thickness Measurement
 ✓ GSM

Micro Gauge Thickness Tester

MX 1210 Auto Lifting of Sensor Auto Film Advance system



Desk top Offline Drive for Film

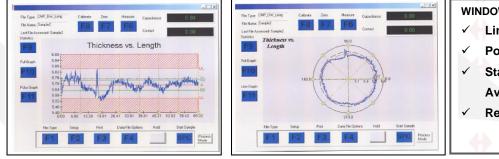
LVDT Sensor Excellent Stability

Optional RS 232 Interface SOFTWARE



MX 1100

Software



WINDOWS based Advanced Software

- ✓ Liner Profile View
- ✓ Polar Profile view
- Statistical Results (High, Low, Average, SD..)
- ✓ Reporting Facility

RS 232 Port needed in PC

Shrinkage Tester





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Human Touch to Testing

reserves the rights to change

specifications, color & look without notice HEMTECH follows the policy of continuous improvement and reserves the rights to cha the specifications, color & look without noti

Our Extended Family (Partial List of Valued Customers)

GAIL AMCOR APPL ADRDE ASHIRVAD PIPES ASTRAL AXEL POLYMERS **BALAJI WAFERS BENTLAY FITTINGS BHANSALI ENGINEERING C K ZIPPERS** CAPITOL FIBRES **CAPRI COATINGS** CAVIN KARE CHIRIPAL FILMS CIPET CLARIENT CONSTANTIA DRDE EASTER ECOPLAST EPC GABA

GHODAVAT FOOD GLENMARK HOLISTER HUTAMAKI IDEX **IDMC** IISC IOCL **INJECTOPLAST** ION EXCHANGE IPR ITC **JESONS KALPENA INDUSTRIES KJR FILMS** LARPM LAXMI SNACKS LOHIA M C COLLEGE **M J BIOPHARMA M S UNIVERSITY**

International Customers

MANTRA MARVEL MEHATA FLEX MERIL ENDOSURGERY MONTAGE GLOBAL MULTIFLEX **MULTI FILMS** NAVAMI NAVRANG POLY FILMS ORIFLAME **OSWAL EXTRUSIONS** PACKAGING INDIA PAPER PRODUCTS LIMITED PARIKH PACKAGING PARLE PARRY PLATICHEMIX POSITIVE PACKAGING RAJASHREE POLYPACK **REAL NAMKEEN RELIANCE INDUSTRIES**

J F Packaging - Srilanka FIPCO-Oman Sun Pharma De Mexico - Mexico



hemtech



"Total Customer Satisfaction Through Quality Services



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