



Plastic



**TESTING INSTRUMENTS**  
for Paint, Ink and Coating



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Cosmetics



## "AADARSH TECHNOLOGIES"

is in the field of catering world class testing instruments to the diverse needs of various industries such as Textile, Paper, Paint, Pigments & plastic industry.



Our rich experience has enabled us to understand the customer requirements and the challenges faced by them. We are dedicated to providing our customers with technologically advanced testing machines and unmatched quality backed by technical support and after sales service; in short, world class products and services.

We are led by the team of industry technocrats whose vast industry experience and market knowledge has helped us in offering an accurate range of products to our client's at the most competitive prices. Our company ensures to deliver the range at shortest delivery timings to our customers.

We offer total quality solutions at every stage of manufacturing.

### We Offer

- Consultation to customers for choosing right instruments for their need.
- Timely delivery of quality product with strict adherence to national & international standards like ASTM, BS, ISO etc.
- Demonstration, Installation, Training & after sales support. Outstanding Service Support- In our Competitive world.
- Annual maintenance schemes/ instant repairs and prompt after sales service is provided to the customer.
- Next to selling World Class Machines, Building relationships is what we do best.

## VISCOSITY

These cups are used for easy measurement of the viscosity of paints, inks, lacquers and other liquids

- Ford Cups
- ISO Cups
- Zahn Cups
- Din Flow Cup



### KREBS VISCOMETER

Krebs Viscometer is used for measuring the viscosity of Newtonian and non-newtonian fluids in accordance with ASTM D562. The viscosity of a non-newtonian material varies depending on the rate of shear, but Krebs Stormer Viscometer can measure the viscosity at a set speed shear rate which provides a consistent standard.

## COATING PERFORMANCE

### LINE DRYING TIME RECORDER

We offer a versatile drying time recorder to help quantify the various stages of film curing and drying, deliver reproducible results, and guarantee highest efficiency



### MINIMUM FILM FORMING TEMPERATURE TESTER (MFTT)

It is accordance with ISO 2115, ASTM D2354 standard, and can test minimum film temperature of emulsion polymer easily and accurately.

### DRY FILM THICKNESS GAUGE

Using magnetic induction or Eddy current, this electronic gauge offers precision thickness measurement of non magnetic & magnetic coatings. The gauge is available with either integral or external F, N or dual FN probes. The FN probe features automatic substrate recognition to simplify operation.



## APPLICATORS

### WIRE BAR COATERS & APPLICATORS

These applicators provide an economical way to assure the uniformity of thickness of very thin films.

- One-sided Applicator & Two-sided Applicator
- Cube Applicator
- Four-sided Applicator



### AUTOMATIC FILM APPLICATOR

Automatic Film Applicator enables experimental chemists to conveniently draw down precise coating film on the different substrates so as to reduce and eliminate errors caused by manual factors. The equipment sucks test paper smoothly on the vacuum bed. It greatly improves the reproducibility of paint film.



## COLOR/GLOSS

### SPECTROPHOTOMETER

It can measure reflectance spectrum and other color index precisely. The instrument is equipped with high-end color management software which can connect PC to achieve more extension functions.

45°/0° or d/8° geometrical optics structure, comply with CIE, ISO, ASTM, DIN standard.

3.5 inch large capacitive touch screen.



### GLOSSMETER

This versatile glossmeter covers a wide range of applications from matt to high gloss measurements conforming to International Standard. Samples can be measured separately at each angle or at 2 or 3 angles simultaneously and effectively processed using the powerful built-in software.

### WHITENESS METER

It is designed with the demand of CIE, including standard light resource and light environment. It is used widely in the fields such as textile, printing and dyeing, paint and coating, chemical materials, paper and cardboard, plastic, white cement, ceramic, enamelware, porcelain clay, French white, amyllum etc.



## ADHESION/HARDNESS/FLEXIBILITY

### CROSS HATCH ADHESION TESTER

This instrument is widely used to evaluate the adhesion of various coatings. A high precise machined wheel presenting 6 or 11 cutting blades with various spacing is mounted in a handle. The test is carried out by performing 2 series of crossed cuts at right angle. The obtained lattices is either brushed or cleared with adhesion tape. According to the coatings thickness and the related spacing, the results can be classified with reference to a standard scale. It has long life tool with 6 cutting edges and comfortable wood handle.



### PENCIL HARDNESS TESTER

This instrument offers an easy method for the determination of film hardness for coating applied to a flat substrate. The pencil lead, prepared beforehand by rubbing it on fine abrasive paper 400 is maintained at an angle of 45° and pushed with uniform pressure onto the sample, either leaving a superficial trace or causing destruction down to the substrate.



### AUTOMATIC SCRATCH TESTER

These motorized apparatus are designed to test coating hardness evaluation based on scratching resistance or mar resistance methods.

### CONICAL MANDREL

Conical Mandrel Tester is applicable to determine extensibility of paint coatings on metal panels which are clamped in position and formed round the conical mandrel by rotating of the roller frame. The panels are examined to evaluate crack resistance and detachment from the metal substrate of coated surface which is coated with paint under standard condition.



### PENDULLUM HARDNESS TESTER

A pendulum resting on a coating surface is set into oscillation and the time for the oscillation amplitude to decrease by an amount specified in this International Standard is measured. It's a simple to use instrument and can be supplied in one of three model types: Persoz, König, and Persoz and König combined.

## IMPACT/ABRASION

### IMPACT TESTER

Impact Tester is in accordance with the specification in National Standards determination of paint film resistance to impact and the practical requirement of mechanical construction.



### WET ABRASION SCRUB TESTER

Wet Abrasion Scrub Tester is used to examine wash ability and related properties that affect the stain resistance of coatings. Detergent performance testing can also be determined in a reproducible manner.



## DISPERSING/MILLING/MIXING



### VERSATILE SAND MILL

Versatile Sand-Milling dispersing-agitator is equipped with two sand-milling discs, two dispersing blades and a double-layer stainless steel container. With only one machine, operator can finish such as sand-milling, high speed dispersing and mixing. Furthermore, electric lift design is very convenient for female operator.

### LAB BASKET MILL

Lab Basket Mill is integrated equipment, which combines milling and dispersing to reduce particle size for paint, coatings, inks and pigment dispersions applications. The basket mill integrates high speed dissolving and pump wheels, a very narrow particle size distribution can be achieved in this machine.



## WEATHERING

### STABILITY CHAMBER

These cabinets with a precise system of temperature and humidity control, which provide various necessary environmental simulative conditions for industrial research and biotechnology tests.

Temperature range: 10.0°C to 60.0°C.  
Humidity range: 25% to 95% RH.



## WEATHERING

### UV LIGHT ACCELERATED WEATHERING TESTER

UV Light Accelerated Aging Tester adopts fluorescent UV lamp as the light source. Temperature and humidity can be properly controlled to obtain the periodic condensation on the sample for fully evaluating the damage factor caused by sunlight.



### XENON TEST CHAMBER

It is a multi-function big xenon light accelerated weathering testers which is equipped with one piece of high power (6.5KW) water-cooling xenon lamp, its exposure area arrive 6,500cm<sup>2</sup>.



## COLOR MATCHING CABINET



The cabinets come supplied with different lights and are controlled by a microprocessor LCD Screen that shows each Lighting usage Time. Each Button controls the individual set of Lights. The CLR Clear button allows the resetting of the Lighting Usage Time to ZERO when new lights are replaced. and can be offered with 4,5 & 6 different illuminants

Lamp Compliments  
D65, TL84, CWF, F/A, UV, U30

## MISCELLANOUS

### PANELS

Charts/Panels, Steel Panels, Phosphated Iron Panels, Aluminum Panels, ABS Plastic Panels, PC Plastic Panels, HIPS Plastic Panels, ABS+PC Plastic panels

### CHARTS

Clear-coated Charts, Film Laminated Charts, Opacity Charts  
Checkerboard Charts/Spreading Rate Charts, Sag and leveling Test Charts

### UVB & UVA Lamps

UVB-313 Deep UV for accelerated surface weathering: The UVB-313 lamp has a 313 nm peak wavelength.

UVA-340 UV spectrum equivalent to Daylight UV: The UVA-340 lamp has a 340 nm peak wavelength.

UVA-351 UV spectrum equivalent to window glass UV: The UVA-351 lamp has a 351 nm peak wavelength.

We can also supply Spares for UV weathering tester machines.