

YIELD

Throughput

Extrusion Process Control

Loading

Conveying

Blending

Gravimetry Dosing

Continuous Loss in Weight

Gauge

Thickness

Online Thickness Measurement

Layflat

Width

Profile Control

Layflat Control



a product by **APEKSHA INSTRUTEK**





APEKSHA INSTRUTEK, is a company established to serve Indian market with localisation of important and hi-tech Automation Systems for Extrusion Line Automation.

X-PERT Series of Film Extrusion Line Automation Systems from **APEKSHA INSTRUTEK** is first step for Film Extrusion Line Automation. The series of Systems are planned under the **X-PERT Series**.



DOSE XPERT

It is single component Volumetric Dosing System which is used for precise dosing of Master batch & Additives directly to the neck of Extruder along with the main component.



LOAD XPERT-S

It is single component Loading System which is used for Loading of material in the Pre-stage Hopper. This is directly mounted on the pre-stage Hopper. This will Load the material as and when gets signal that the material is at lower level in Hopper.



LOAD XPERT-M

It is Multi component Central Vacuum Blower based Loading System which is used for Loading of material in the Pre-stage Hopper. The satellite unit is directly mounted on the pre-stage Hopper. This will Load the material as and when gets signal that the material is at lower level in Hopper.



EPC XPERT

Extrusion Process Control – Yield Control System is most appropriate system for **MONO Layer or MULTI Layers** Blown Film Lines.

Loss-in-Weight systems offer precise measurement, total reliability and advanced extrusion control options to ensure consistent end product quality with efficient material usage. The **EPC-XPERT** system provides continuous throughput measurement and automatic throughput control as well. System accurately controls **GSM / Weight per meter** of the Extruded film.



BATCH XPERT

Gravimetric Batch Blender is most appropriate system for **MONO Layer or MULTI Layers** Blown Film Lines.

It has precision Load measuring system for each component and a batch is prepared in proportion of weight as per recipe. It also has a batch mixer and the same is then loaded in Extruder.

It has facility to measure Loss-in-Weight and so through precise measurement, total reliability and advanced extrusion control options to ensure consistent end product quality with efficient material usage. The **Extrusion Control** provides continuous throughput measurement and automatic throughput control as well. System accurately controls **GSM / Weight per meter** of the Extruded film.





BLEND X PERT

Volumetric feeding system is most appropriate system for Textile Lines. Precise Auger Screws makes system very accurate for even very small dosing.

It has precision Volumetric Screw Feeders for all additional components. Main component is loaded directly. Weight measuring system for each additional component adds in proportion of weight as per recipe. Direct mixing helps in very good dispersion which is required in Textile applications.

GAUGE X PERT

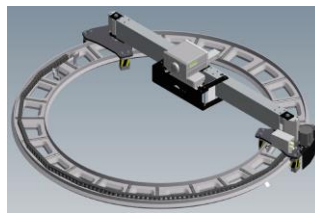
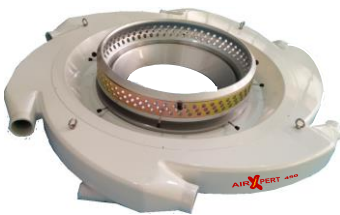
Measures ON-LINE Thickness of film. Suitable for **MONO Layer** or **MULTI Layers** Blown Film Lines.

It is mounted on the A-Frame (Collapsing Frame) and it will provide on Polar Profile for the Bubble with every rotation of the Haul-off.

PC based system and Software provides precise Linear or Polar Profile for the Thickness of Film in TD direction.



Powered by KUNDIG's world best Swiss Made Capacitive Sensor.



PROFILE X PERT

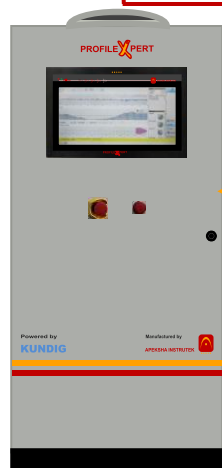
Automatic Thickness Profile Control System for **MONO Layer** or **MULTI Layers** Blown Film Lines.

Combination of 3 parts :

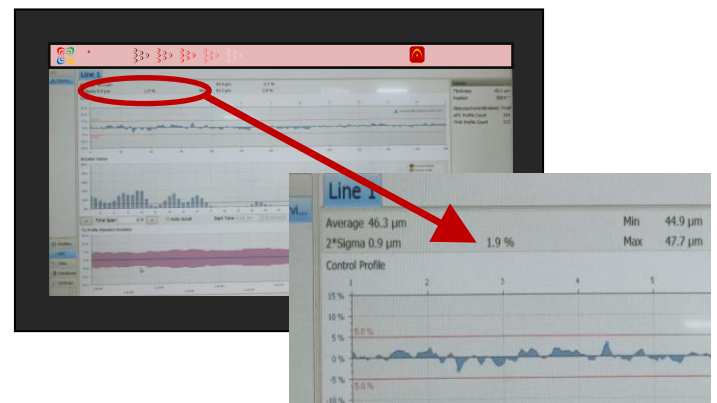
1. KUNDIG, Switzerland On-Line Thickness Gauge
2. Automatic Air Ring
3. Control Panel & Software

Improves 2σ Profile by more than 50% when compared to profile without Control.

Powered by KUNDIG's world best Swiss Made Gauges & Control Software



Large Touch Screen Computer





We follow policy of continuous innovation and development. Hence, the look, specification & features changes are on-going process and are subject to change without prior notice. Look of systems is representative in nature and actual system look and appearance may differ.

Sold & Serviced exclusively by



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