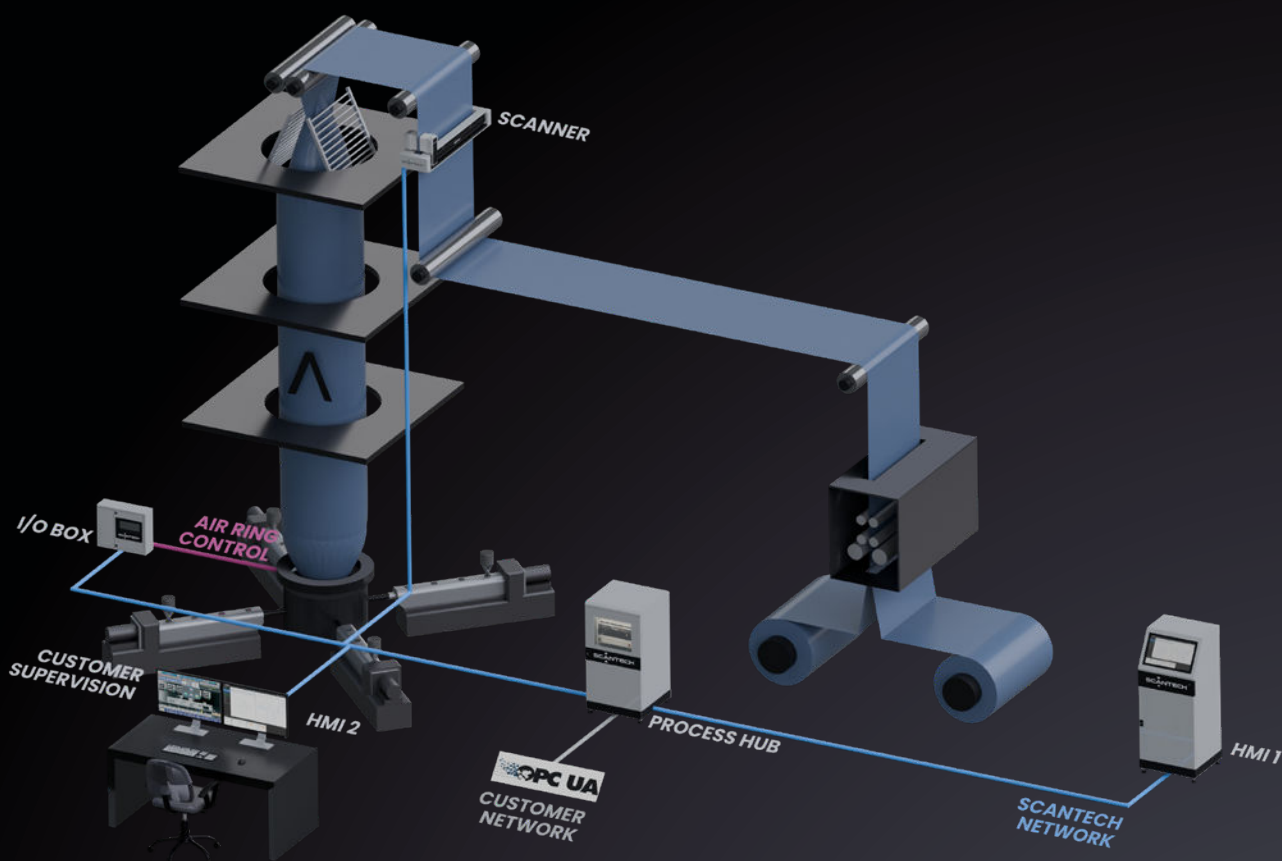


BLOWN EXTRUSION SERIES



BLOWN FILM

THE SCANTECH ADVANTAGE

Measuring on the layflat rather than on the bubble allows for significantly faster measurements and control actions, resulting in:

- ✓ Better quality film
- ✓ Lower polymer consumption
- ✓ Reduced scrap
- ✓ Faster start-ups (time to get product on-spec)
- ✓ Faster product grade changes
- ✓ A window on the process allowing for informed operator decisions
- ✓ An infrared solution to measure the barrier layer in co-extruded barrier films

SCANTECH's advanced software and algorithm enables the differentiation of the 2-layers of film at the layflat. This decoupling of the 2-layers is done very quickly enabling for the films profile be accurately mapped and allowing fast control actions (air ring or die).

The algorithm takes into account:

- haul-off rotation/oscillation speed;
- air ring/die home position;
- air ring/die to scanner path length;
- haul-off speed;

There is also bubble twist angle compensation built in.

Accurate measurement Software provides core tools for blown film lines

Real-time intuitive and user friendly software

Data Traceability

OPC-UA as standard



SCANTECH's unrivalled X-Ray sensor provides excellent CD measurement resolution whilst using low energy is safe to use and more importantly can be imported and used without certification.

It can measure thin films and can be used to measure film grades for agricultural wrap films, multi-layer films.



- BOPE
- BOPP
- BOPA
- BOPLA

BLOWN FILM MEASUREMENTS



Thickness Profile Measurements



% Filler
CaCo₃ | TiO₂ | BaSo₄



Barrier Layer

CONTROLS



AIR RING CONTROL

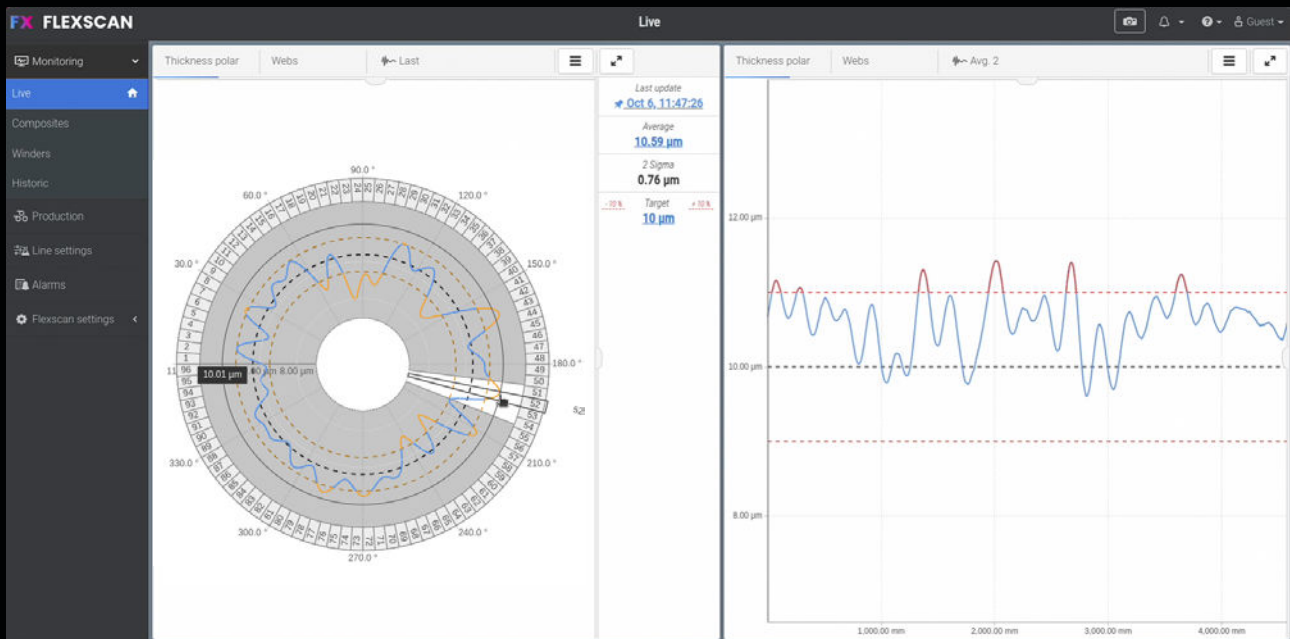
Accurate mapping of film thickness profile to air ring zones (or die).



FLEXSCAN

OPC UA

INDUSTRY 4.0



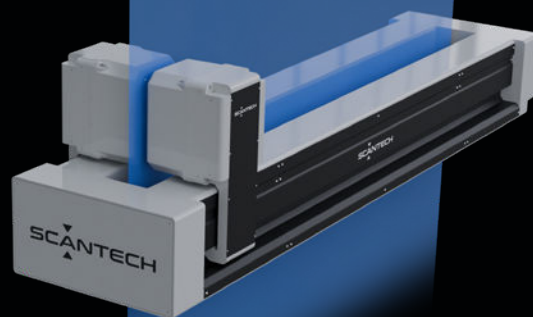
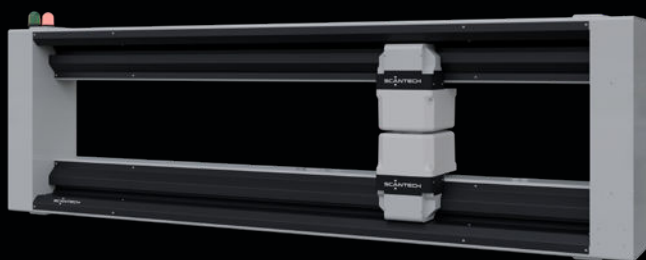
An Intuitive Display Structure

The FLEXSCAN software is designed to allow operators to easily navigate the system and access information quickly. This intuitive menu structure enables access to all process information.

An on-line help manual simplifies operator use and adoption of the system.

OS Displays & Functionality

- ✓ Polar Profile
- ✓ Zone profile
- ✓ Multiple Language
- ✓ Fast Feedback control to air ring or die
- ✓ Colormap
- ✓ Alarms
- ✓ Trends
- ✓ Statistics



Option of scanning frame to measure either vertical or horizontal film passline

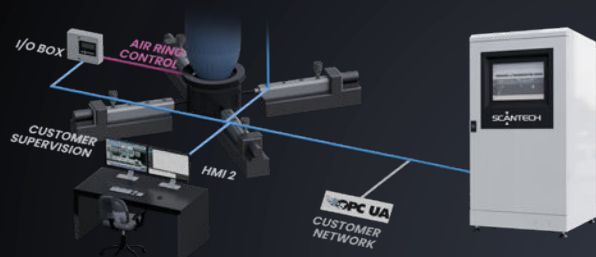
SCANTECH's unrivalled X-Ray sensor provides excellent CD measurement resolution whilst using low energy is safe to use and more importantly can be imported and used without certification. For co-extruded barrier films Scantech is able to offer an advanced infrared solution enabling the measurement of the discrete barrier layer*.

* Please consult with your SCANTECH representative to learn what measurement are available.

Process Hub + I/O Box

Whilst SCANTECH does not supply air rings it is able to work with a customers' selected supplier.

The integration to the air ring is done via the Process Hub and a bolt controller for thermally actuated air rings or a control box for mechanical (vane/valve) actuated air rings.



HMIs

A range of HMI solutions is available to suit the specific requirements and installation space.



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