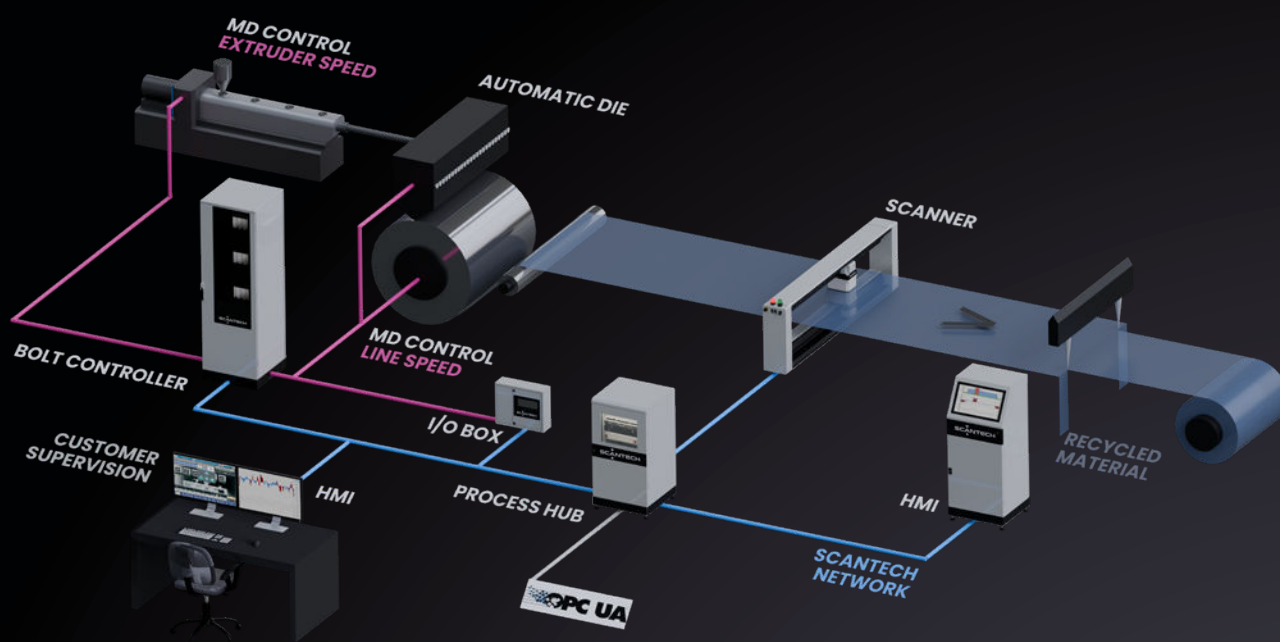


CAST & SHEET

EXTRUSION SERIES



CAST & SHEET

THE SCANTECH ADVANTAGE

The Extrusion Application Package defines basic real time measurement, network communications, data processing, and operator interface functions.

- ✓ 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

For applications where a masterbatch is added SCANTECH's unique capability allows for the % filler to be measured.

Edge Shape Profile

Accurate measurements

High efficiency die bolt control

Die bolt heater failure detection

Real-time intuitive and user friendly software

Defect Detection (Option)

Data Traceability (Option)

OPC-UA as standard

 **OPC UA**

- CPP
- CPE
- PET
- TPU
- MDO
- PVB
- EVA
- PMMA
- STRETCH
- PVA/PVOH
- **HYGIENE**
Breathable and
Non-Breathable

CAST & SHEET MEASUREMENTS



Thickness Profile
Measurements



% Filler
CaCo₃ | TiO₂ | BaSo₄

CONTROLS



APC BOLT CONTROLER
Power & Temperature control
Up to 360 bolts



AUTO MAPPING
APC - Auto Profile Control



**MACHINE DIRECTION
CONTROL**



MELT FLOW MODEL



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

- ✓ Measurement profiles
- ✓ Bolt profiles
- ✓ Multiple Languages
- ✓ Auto-control
 - CD (TD) - APC
 - MD - Machine Direction
- ✓ Colormap
- ✓ Alarms
- ✓ Trends
- ✓ Statistics

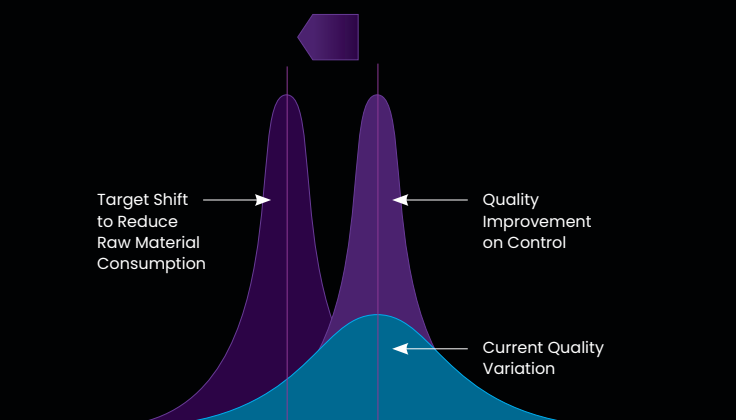
Accurate Auto Mapping and Regulation

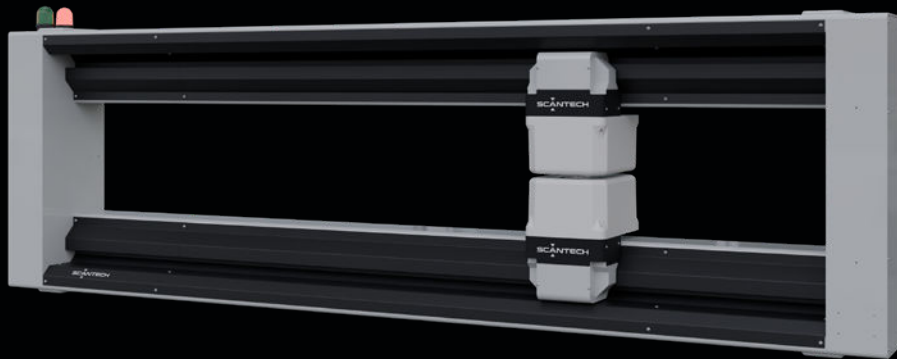
Mass Conservation & Edge Measurement

The Automatic Profile Control (APC) package includes hardware and software to control auto dies to achieve and maintain cross-direction uniformity of the extruded sheet. APC utilizes high resolution product profile measurements from the System scanning sensors to continuously adjust die bolts, resulting in reduced profile variations.

MD Control greatly improves product quality by adjusting the process (extruder screw speed, chill roll speed) to hold product to its average target.

When coupled with MD Control, APC ensures product uniformity and superior roll quality, resulting in quality improvement, scrap reduction, and material savings for tangible economic returns.





Providing the widest range of scanner frames engineered to accommodate every process line. Every scanner frame model is professionally designed and manufactured to SCANTECH's high standards. The scanners for extrusion lines can accommodate sheet down to 0.5 meters and up to 11.5 meters.

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.

HMIs

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



Bolt Controller



Fast bolt regulation.



Compatible with all die manufacturers.



Up to 360 bolts.

Please note besides thermal bolts Scantech can support dies with stepper motor actuators or robotic actuators.



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