

Smart Automation to modernize your extrusion line

From material handling to profile control



Smart automation and control systems
for upgrading and optimizing
plastic extrusion lines

Engineering Success in Plastic Extrusion

Driven by Innovation

FOR OVER

45
YEARS

**WE HAVE BEEN AUTOMATING
EXTRUSION PROCESSES**

Driving Extrusion Automation Worldwide

Since 1979, PLAST-CONTROL has been shaping the future of extrusion automation. Through continuous innovation, engineering excellence and a clear focus on customer needs, we have set new technological standards in the global plastics industry.

From the very beginning, our expertise has been rooted in blown film production – a field in which we have grown to become the world's leading specialist. Today, our solutions go far beyond. PLAST-CONTROL technologies support manufacturers worldwide in achieving greater precision, efficiency and process stability. Our film solutions are used in a wide range of demanding industries, including the automotive, food packaging and medical sectors, where maximum quality, reliability and consistency are essential.

Every PLAST-CONTROL system is developed and manufactured in Germany. With subsidiaries in the USA, Great Britain, India, China and Taiwan, as well as a strong global partner network, we ensure reliable support and seamless service for customers on every continent.

Behind every innovation stands our most valuable asset: our people. Highly qualified, motivated and driven by curiosity, our team continuously develops new solutions for the challenges of modern plastics production. By investing in expertise, technology and service, we create sustainable value for our customers – today and in the future.

MORE THAN

27.000

**SYSTEMS INSTALLED
WORLDWIDE**

● Branch offices

● Representations



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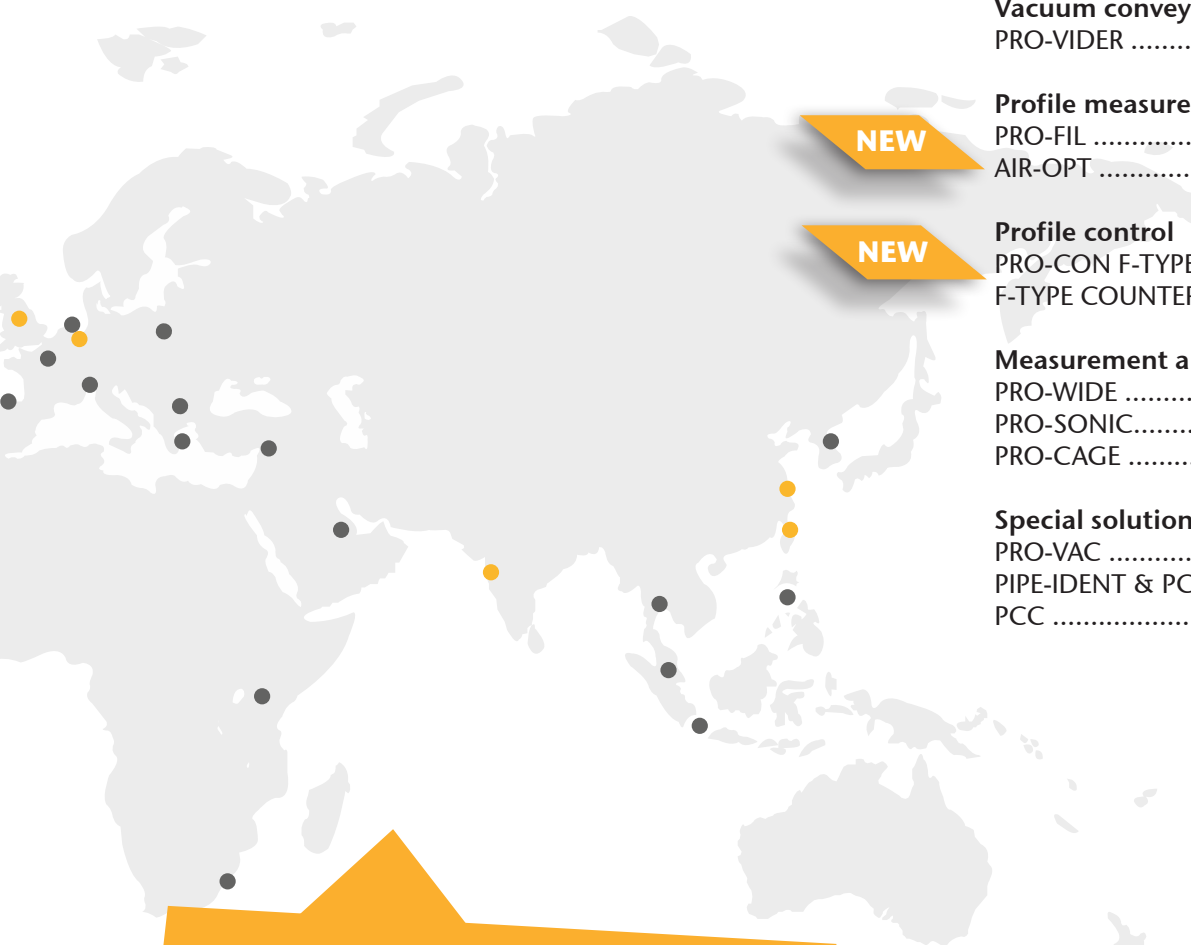
NEW

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We've been using PLAST-CONTROL gravimetric systems and automatic gauge control systems successfully in our plant at Aristocrat Industries Ltd, Nigeria. Its precise control allowed us to continuous supply the best quality of extrusion film to our customers. We really appreciate PLAST-CONTROLS contribution to our business success.

**Bibhash Ghosh, Maintenance Manager,
Aristocrat Industries Ltd, Nigeria**

ON

6.000m²

**OVER 100 EMPLOYEES WORK AT THE
HEADQUARTERS IN REMSCHEID**

Total Automation. Smart Process Control

One Partner - Total Control

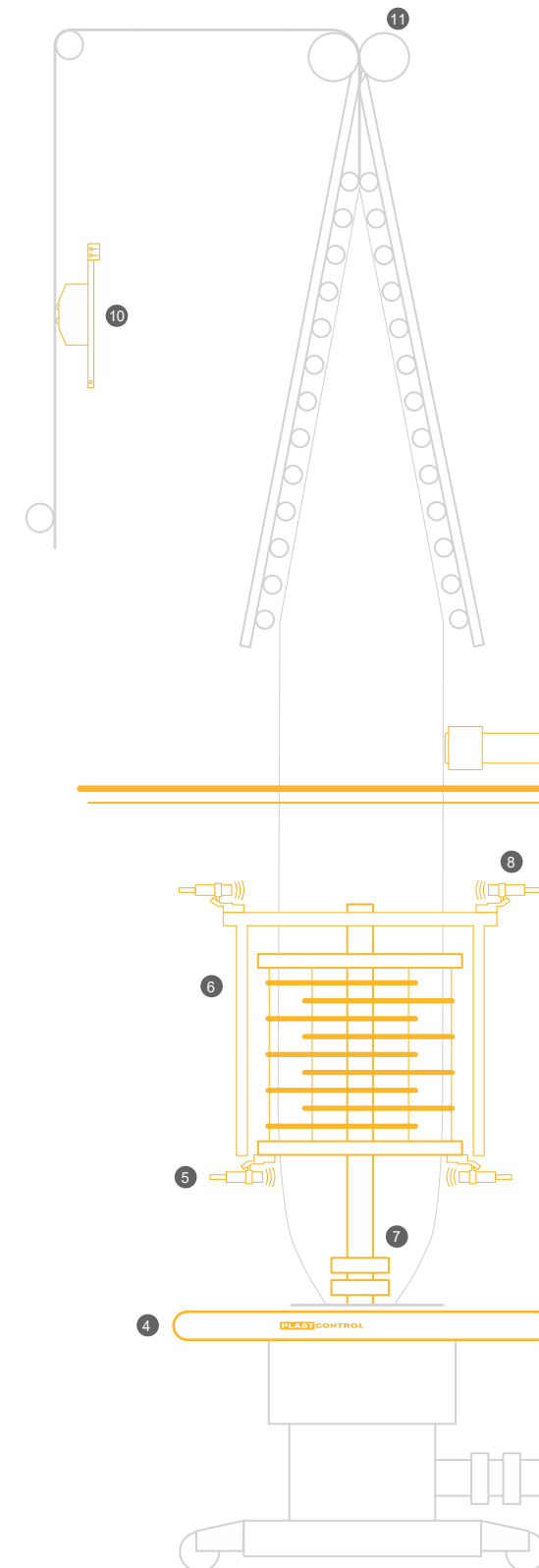
PLAST-CONTROL is the only company in the industry that develops and manufactures all key components for extrusion automation in-house. This unique vertical integration ensures perfectly coordinated systems, maximum reliability and unmatched process stability.

From material handling and gravimetric dosing with extruder control to temperature management, IBC control, cooling ring technology, profile measurement and automatic profile control – PLAST-CONTROL delivers fully integrated automation solutions for modern extrusion lines.

Our systems connect every process step into one intelligent, transparent and highly efficient production environment. The result: consistent product quality, optimized raw material usage and maximum line performance.

Whether standard applications or complex custom process solutions – we support you from the first concept to full implementation.

- ① HMI - Central operating station
- ② Material conveying (vacuum loading) with intelligent control
- ③ Gravimetric throughput, measurement and control systems
- ④ Thickness tolerance control, own cooling ring technology
- ⑤ PRO-SONIC IBC control
- ⑥ Calibration basket PRO-CAGE
- ⑦ IBC stack
- ⑧ PRO-WIDE EASY width measurement
- ⑨ Online thickness measurement
- ⑩ PRO-WIDE width measurement
- ⑪ Haul-off speed measurement and control

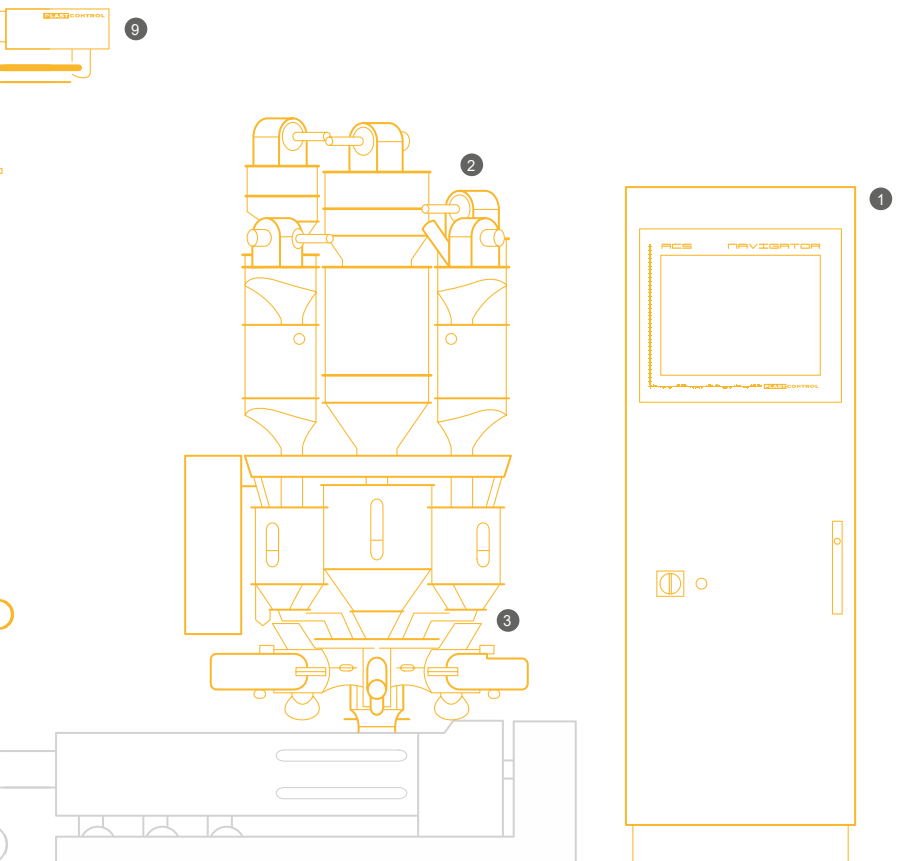


The current project is my first experience with PLAST-CONTROLS auto thickness control and other equipment. We really appreciated the way PLAST-CONTROL India as well as their German counterpart immediately responded to my issue and quickly resolved it. This also hugely built confidence in PLAST-CONTROLS products and services. We especially value their technical support and service team for their time-to-time support extended in past. I personally am convinced that the cooperation with PLAST-CONTROL and their equipment are top value for money. We are looking forward to our future cooperation.

**Anil Dimri, Vice President Operations,
Shree Maa Roll Wrap P LTD & Spack
Laminators, India**

The Plastilene group is always looking for more than suppliers, business partners with whom to grow hand in hand, based on the high reliability of the equipment purchased and the good business relationship. That is why PLAST-CONTROL is one of our strategic partners in our plastic film extrusion processes.

**Mauricio Hernando Muños Cu-
billos, Engineering and Main-
tenance Manager, Plastilene,
Colombia**



YOUR BENEFITS

- reduced waste and optimized raw material savings
- faster changeovers and shorter setup times
- reproducible product quality
- higher line efficiency and output
- full transparency of production and costs
- complete automation from a single source
- minimized operator errors through intelligent control



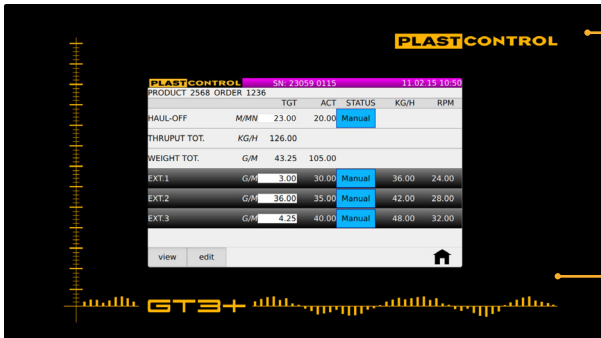
Systems

Smart systems for efficient plastics processing

GT3+

Your Gateway to Optimized Production

GT3+ – Efficient Gravimetric Control Made Simple



Cost-efficient solution
for standard applications

Easy-to-use
system architecture

The GT3+ is a powerful yet cost-efficient solution for gravimetric control of extrusion lines. Designed for up to three hoppers, it focuses on delivering reliable performance with a clear and streamlined system architecture.

As a cost-efficient solution for standard applications, the GT3+ is ideal wherever advanced visualization is not required. Its focused, easy-to-use system architecture ensures straightforward operation and quick integration into existing processes. Especially in standalone applications such as conveying, width control, or IBC control, the system proves to be an ideal solution for standalone applications.

Thanks to its modular design, the GT3+ can be flexibly adapted to different production requirements while maintaining simplicity and efficiency.

GT3 is also the ideal platform for systems that do not require extensive visualization, such as:

- Stand-alone conveying systems
- Width measurement and control
- IBC control

Ideal solution
for standalone applications



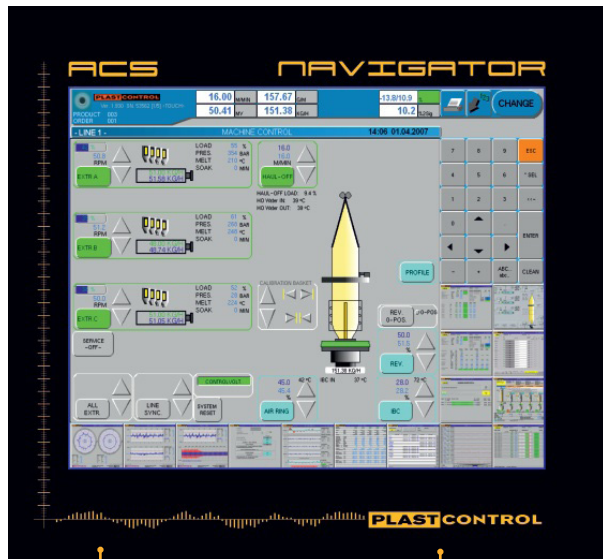
YOUR BENEFITS

- reduced investment costs with high performance
- simple operation and quick integration
- reliable and stable process control
- low maintenance and operational effort

ACS

Efficiency through Intelligent System Control

ACS – The All-in-One Control Center



Large 19" TFT touchscreen
for clear visualization

All-in-one system
for full process control

Optional integration
into existing cabinets

YOUR BENEFITS

- full process transparency and control
- increased production efficiency and quality
- centralized operation reduces complexity
- flexible integration into existing systems

The ACS is a powerful all-in-one system that combines gravimetric control, dosing, and profile optimization into a single, integrated platform. It is designed for maximum efficiency, precision, and transparency across the entire extrusion process.

As an all-in-one system for full process control, the ACS enables the simultaneous handling of all key functions within one interface. Its large 19" TFT touchscreen for clear visualization ensures that all process data is displayed in a structured and intuitive way, making operation especially convenient. In addition, the ACS offers optional integration into existing cabinets, providing maximum flexibility for both new installations and retrofits.

This combination of performance, usability, and flexibility makes the ACS the ideal solution for complex and demanding production environments.



NAVIGATOR

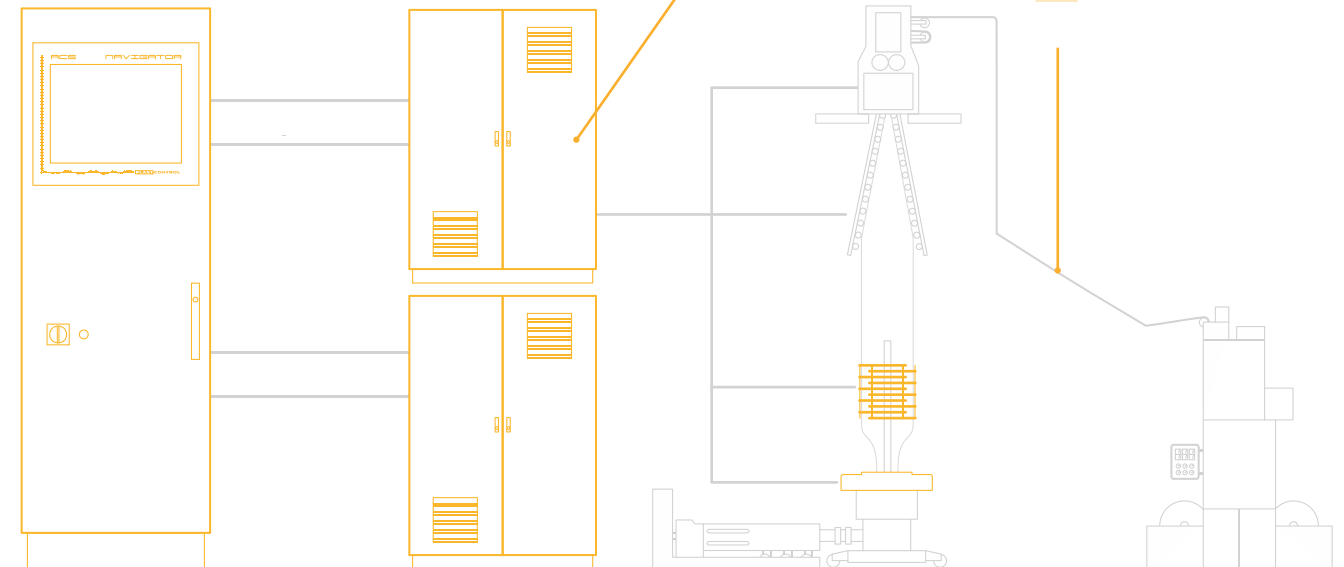
Navigate your Production with Confidence

The NAVIGATOR control system makes it possible to manage all plant components easily and conveniently via touch screen. Whether retrofitting or a new plant - the NAVIGATOR can be quickly and easily adapted to all-around concepts thanks to its modular design

Long-term and complete service
on all our products

In good hands:
Comprehensive technical
and legal advice

SYSTEMS



Independent of market common cycle times
and difficult spare parts supply due to
in-house production of hardware and software

YOUR BENEFITS

- modularity
- safety functions
- retrofit or exchange of the old components
- long-term spare parts supply
- operation via touch screen
- implementation of individual customer requirements
- project handling from a single source
- control cabinet construction or retrofit

PRO-CHANGE

NEW

Faster Changeover. Less Waste

Every production process requires fast, precise and repeatable machine setup. The right solution ensures minimal setup time, reduced waste and maximum process reliability with high operator support.

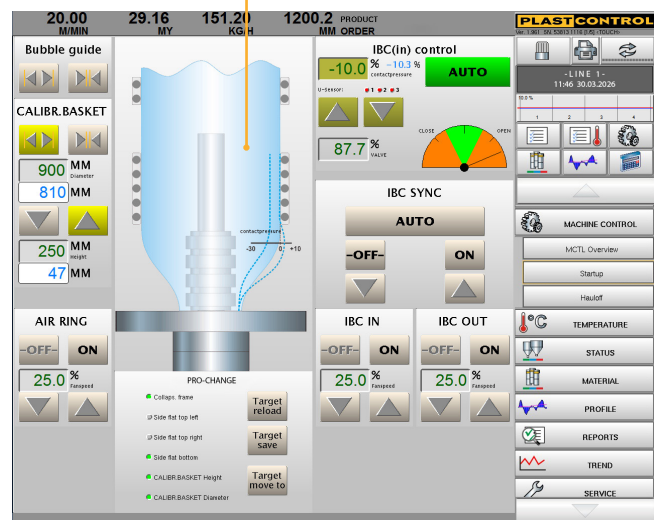
The automated setup principle

Each relevant machine component is equipped with position detection via analog sensors. The actual positions are continuously monitored and displayed. Predefined parameters can be stored centrally and reloaded at any time, allowing the machine to automatically move into the correct setup position. This significantly reduces manual intervention and ensures consistent production conditions.

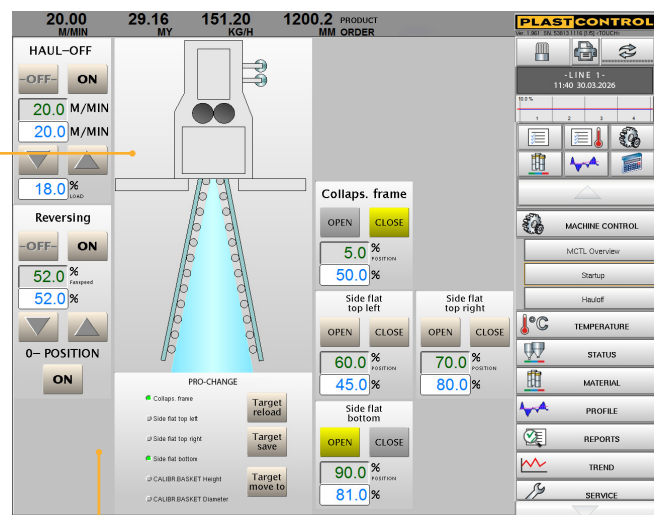
The data-driven changeover principle

With centralized Product Data Storage, multiple machine settings can be managed and recalled efficiently. Automated adjustments enable faster product changeovers while minimizing deviations. This results in improved repeatability, reduced setup errors and optimized production efficiency with significantly less material waste.

Precise positioning
of each component via
analog signal monitoring ...



Central data management
enables fast and repeatable
setup across the entire line



... or fully automated changeovers

YOUR BENEFITS

- reduced waste through optimized changeovers
- high repeatability of machine settings
- central storage and reload of parameters
- reduced operator dependency
- increased process reliability



Dosing

Efficiency starts with
precise dosing

PRO-GRAV

Gravimetric Precision at its Best

The basis of extrusion line automation has been gravimetric extruder control for over 45 years. The control concept can be used for all continuous extrusion processes. A gravimetric weigh hopper frame, a slide valve and a PC system are required.

PRO-GRAV

In co-extrusion lines, the layer thickness is controlled by adjusting the individual extruder throughput while taking the target value into account. If the production level is increased, all extruders are synchronized and the product specifications are maintained even during the changeover phase.

Various demands on the end product often require the use of several material types per extruder. The best technical solution for dosing expensive additives as economically as possible is continuous gravimetric dosing, in which the additives are fed into the main material flow via the extruder feeder.

- arrangement prevents segregation
- control of all feeders synchronously with the extruders

Measurement according to the „loss-in-weight“ principle guarantees precise throughput determination, independent of the bulk density

Target value deviations are detected by the system and readjusted accordingly

New generation dosing motors with wide speed range and high torque eliminate the need for screw changes





The micro feeders

follow the trend towards more and smaller dosing quantities.
A minimum of about 100g/h is possible with good dosing accuracy



DOSING

YOUR BENEFITS

- raw material and aggregate savings (up to 4% possible)
- no dependence on bulk weight
- quick changeover times
- no premixed material
- accuracy of 0,1%
- constant product quality
- simple target value control
- robust, durable design
- up to 8 materials per extruder
- No dosing screw changes necessary
- easy cleaning
- fast ROI

Modular design

Connection of up to seven
gravimetric dosing units possible

PRO-BATCH

Perfect Batching for Consistent Quality

Compared to continuous dosing, a batch mixer works according to the „gain-in-weight“ principle when producing the mixture. Here, material gates are opened for a pre-calculated time and the weight increase is registered in the weighing chamber. When the batch is complete, the material is discharged into the mixing chamber and mixed.

- effective helix mixer
- easy handling
- easy cleaning
- cost effective

DOSING

Easy handling
fastdoor system



The mixing hopper
operates as a gravimetric weighing hopper
in the „loss-in-weight“
process for extruder
control

Versatile and flexible

for four or six materials and different
throughputs

YOUR BENEFITS

- precise batch mixer
- accuracy of $\pm 0.3\%$
- compact design
- versatile use
- good accessibility

Model	PB4-180	PB4-450	PB6-150	PB6-300
No.comp.	4	4	6	6
Max. output kg/h	180	450	150	300

PRO-CLEAN & PRO-DRAIN

Fast Cleaning. Minimal Downtime

Impurities often lead to defects in the produced film and thus to a higher scrap rate. PLAST-CONTROL has developed a new integrated solution for a cleaner gravimetric dosing process and a fully automatic sequence process for less material loss during job changes.

PRO-CLEAN

works with a new conical weighing hopper that replaces the classic „slide design“ with its large dead zones. All internal hopper surfaces are continuously self-cleaned by flowing granules.

- complete filling in one conveying step
- precise weighing

PRO-DRAIN

With PRO-DRAIN, all gravimetric dosing units can be cleaned automatically at the end of a job.

- manual connection of the material line to the new material bin/silo
- the rest is done automatically



During job changeover,
only a minimum of material
remains in the hoppers

No dead-zones refilling
prevents dust loading
and contamination

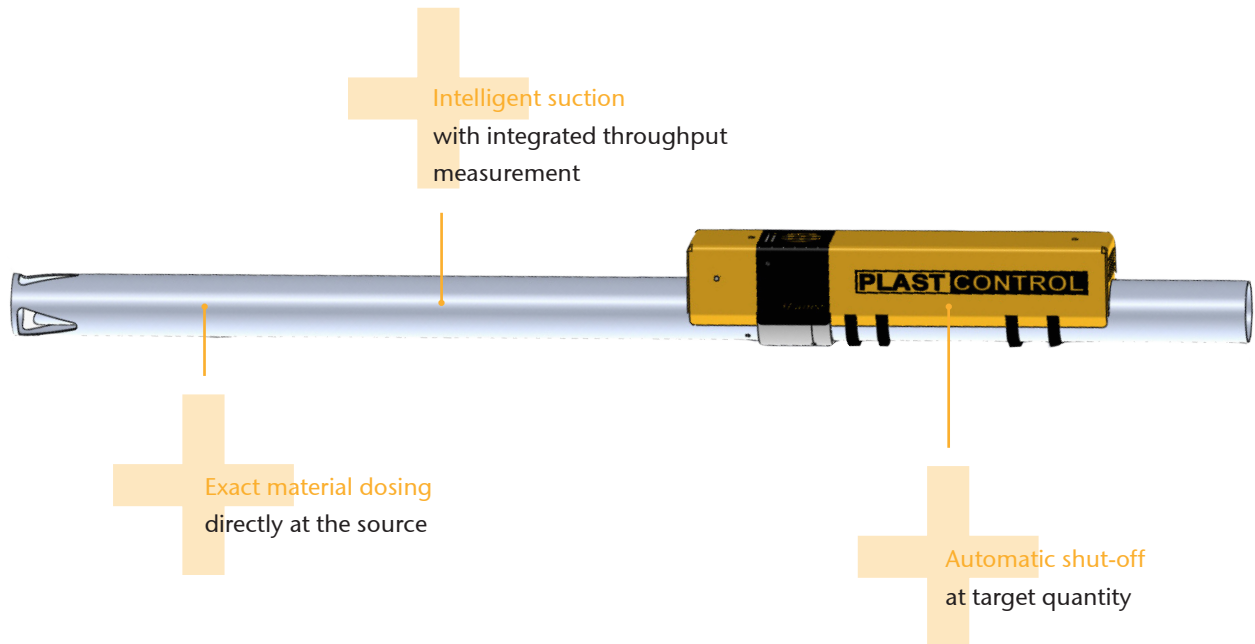
YOUR BENEFITS

- minimized downtime
- raw material savings
- reduction of scrap rate
- clean hoppers at all times
- no more dead zones in conveyors/hoppers

iLance

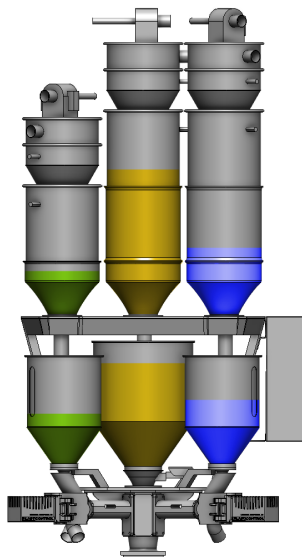
The Smartest Way to Convey Granules

Every extrusion process depends on precise and reliable material feeding. With iLance, PLAST-CONTROL introduces an intelligent solution that combines conveying and exact throughput measurement, ensuring maximum efficiency, minimal material loss, and consistent process quality.

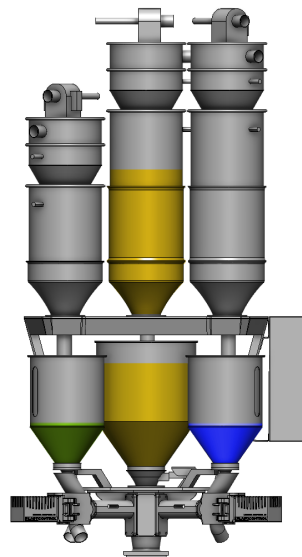


MMC with „low-stock“ and iLance

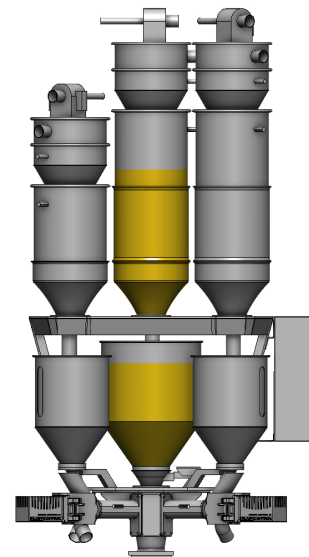
1. Fill levels during production, main component full, dosing components in „low stock“ mode



2. Fill levels before order change, without using the iLance, only MMC



3. Fill levels before order change, when using the iLance



NEW

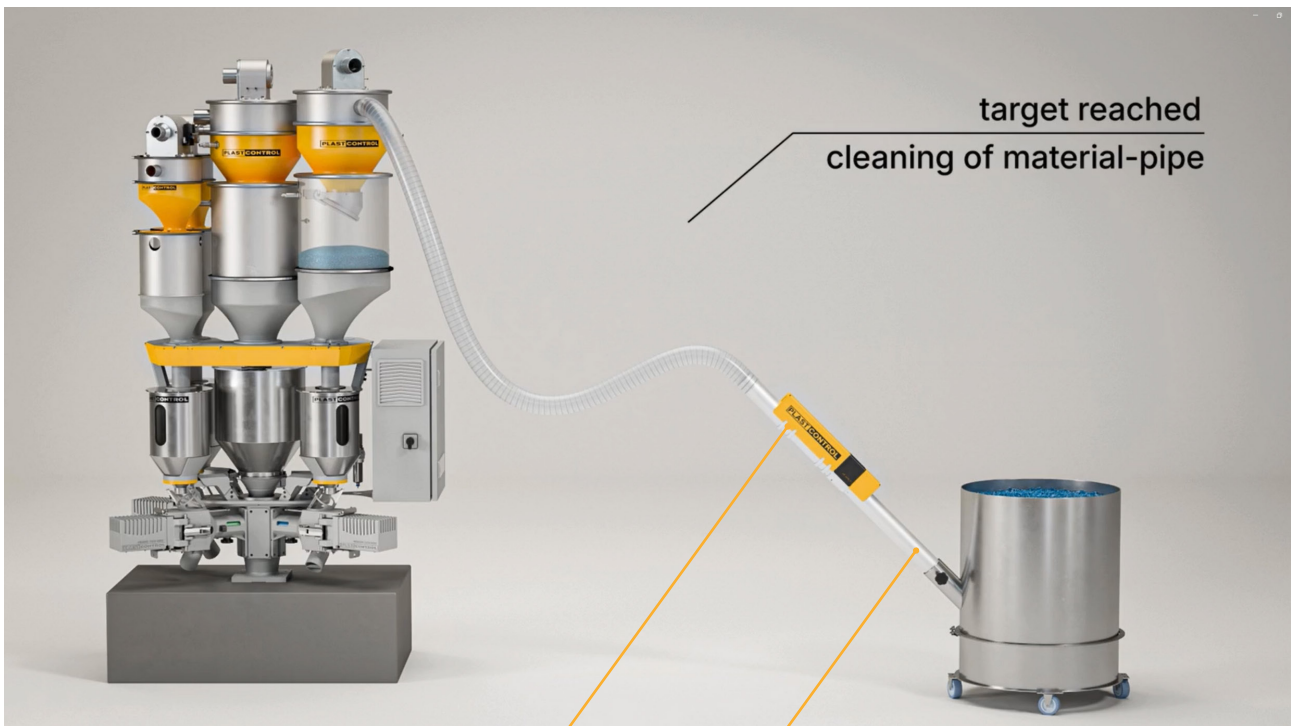
Shaping the future of intelligent production. Technology that moves industries forward.

The intelligent measuring principle

The iLance is equipped with an integrated “Flow Meter” that continuously measures the amount of granulate passing through the lance. As soon as the predefined target quantity is reached, the system automatically stops suction. Immediately afterwards, the hose is cleaned via an integrated valve, ensuring a residue-free and highly accurate conveying cycle.

MMC & low-stock operation

In combination with the low-stock software, iLance enables true material minimization (MMS). This ensures that dosing hoppers are completely emptied at the end of production or during material changes. Costly and time-consuming manual emptying is eliminated, while material waste is reduced to an absolute minimum. Calibration factors for different materials can be stored centrally, enabling fast changeovers and consistent accuracy. When used with a PLAST-CONTROL gravimetric system, no additional calibration is required.



DOSING

No wiring or external
power supply required

Integrated cleaning
for residue-free operation

YOUR BENEFITS

- precise, repeatable throughput measurement during conveying
- automatic shut-off at target quantity for maximum conveying accuracy
- integrated cleaning valve for residue-free conveying
- no external power supply or additional wiring required
- flexible use with all common granulates and easy retrofit capability



Vacuum conveying

Powerful vacuum technology
for seamless material flow

PRO-VIDER

Powerful Conveying. Reliable Performance

Every extrusion process starts with conveying the materials to the line. The right design guarantees high availability, lowest dust formation and energy efficiency with maximum flexibility.

The decentralized principle

Each component is equipped with its own material conveyor. As soon as the conveyor signals a material requirement to the system, a valve is switched promptly and the conveyor is put under negative pressure via a vacuum pump with a central pre-filter. The conveyor can now only suck in air via the material line. The desired material is transported along with the sucked-in air.

The central conveying principle

In this case, several conveyors can simultaneously transport material. This requires a more powerful pump, but in most cases smaller conveyors can be used.



... suction with a central vacuum system
over the entire production hall -
we always have the right solution

Individual components
suction in small quantities
over short distances is just
as possible as ...



YOUR BENEFITS

- low abrasion design
- high flexibility
- central control

Profile measurement

Real-time measurement for
reliable data



PRO-FIL

Precision Measurement for Perfect Profiles

For many years PLAST-CONTROL has been manufacturing its own capacitive measuring sensors for the online thickness measurement of films.

True-contact measurement sensor

The patented AirCC measuring head is specially designed for sticky and surface-sensitive films. In addition to the film thickness, the AirCC also measures the existing air gap (also permanently changing).

Capacitive measurement sensor

Capacitive measuring sensors, in conjunction with directly driven scanner rings in lightweight design, ensure a lowmaintenance and slip-free measuring cycle.

Solutions for barrier and cast film

The C-SCAN offers a pioneering capacitive measurement for barrier films. PA and EVOH films that could not previously be measured capacitively can be measured.

Durable and robust industrial design for non-adhesive films



Insensitive to temperature fluctuations and strongly adhesive surfaces

Patented solution for sticky films



YOUR BENEFITS

- the right measurement for every application
- sticky (EVA) and soft films can be measured
- integrated film temperature measurement
- barrier film measurement with AIR-OPT or C-SCAN system
- non-contact measurement of overall thickness

AIR-OPT

NEW

Non-Contact Measurement, Maximum Accuracy

With AIR-OPT, PLAST-CONTROL expands the PRO-FIL product family with an innovative solution for high-precision film profile measurement. Designed to enhance performance and application flexibility, AIR-OPT delivers fast, reliable and non-contact thickness measurement directly within the blown film process.

Optimized for barrier films

Conventional capacitive systems reach their limits when measuring barrier films with EVOH or PA at higher temperatures. AIR-OPT overcomes these challenges by providing stable and precise measurements earlier in the process. This reduces control delays and simplifies system integration compared to downstream measurement solutions.

The optical measurement principle

AIR-OPT uses a high-precision optical measuring head mounted on a radial adjustment unit on the scanner ring. Positioned between the calibration basket and the collapsing frame, the system operates contact-free on an air cushion. This close proximity to the die enables fast detection of profile deviations and significantly quicker control response.



Reliable measurement
of barrier films

Flexible use
across a wide range of film types

Fast response
for improved profile control

YOUR BENEFITS

- high measurement accuracy
- fast control response
- maximum process stability
- versatile application range
- reduced system complexity





Profile control

The next generation of
cooling control

PRO-CON F-TYPE

Upgrade your Cooling. Eliminating Heater Bolt Dependency

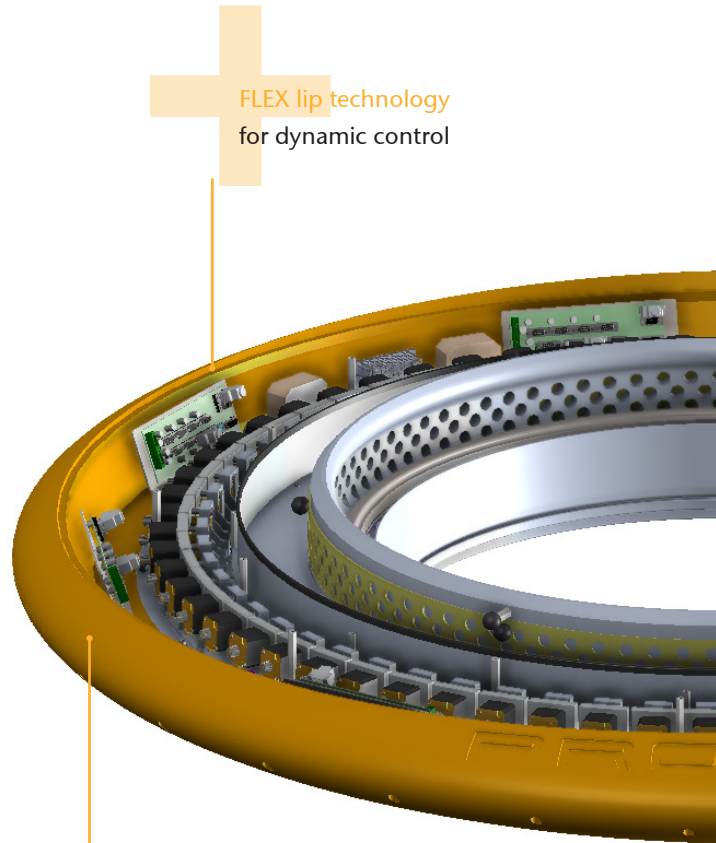
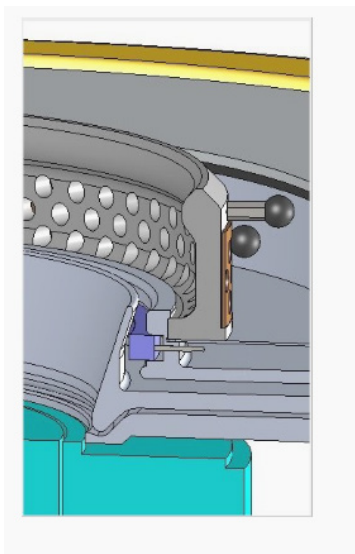
Shaping the future of cooling.

Efficient cooling is key to stable bubble formation and maximum output in blown film extrusion. The next generation of cooling rings sets new standards in precision, flexibility and performance – delivering outstanding results across a wide range of applications.

The innovative FLEX lip technology enables dynamic and highly precise control of the cooling air. By actively influencing the outlet of the secondary lip, the system allows smooth, transitionless adjustments during operation. The defined and directed airflow ensures optimal cooling conditions, resulting in improved bubble stability and consistent product quality.

The counterflow air stream, combined with the conical shape of the IBC tower, stabilizes and guides the bubble effectively.

Adjustable counterflow and auxiliary air streams allow precise control of volume and velocity, while the lifted air ring position creates an enlarged virtual diameter for increased output and process stability.

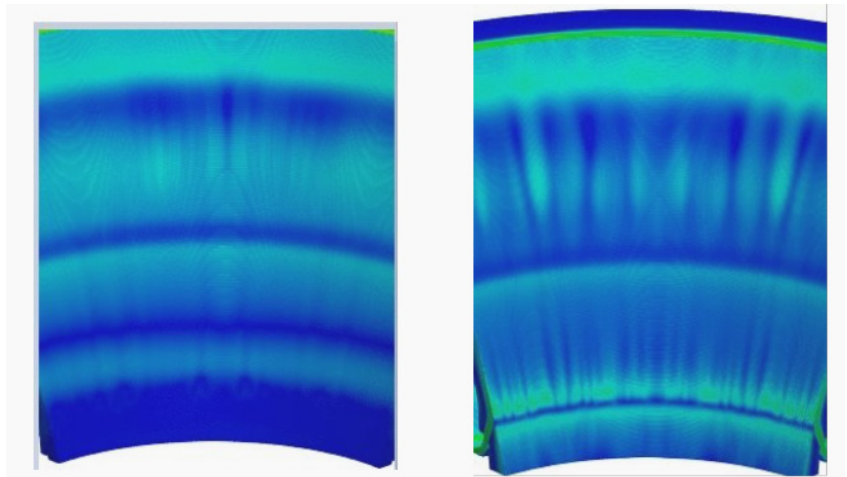


FLEX lip technology
for dynamic control

Optimized design
through computational fluid dynamics
(CFD) simulation

NEW

Defined and directed
cooling airflow



Air-Stream Simulation
PRO-CON FLEX

Air-Stream Simulation
**Common Automatic
airring**

PRO-CON FLEX

The new automatic high-performance cooling ring allows significantly faster and more precise influencing of the cross-profile tolerances of the film. This is made possible by modulating the air flow via a flexibly deformable medium directly at the outlet of the secondary lip. Currently available in 2 sizes (die diameters from 200 - 850 mm).

Adjustable system
for highest flexibility

YOUR BENEFITS

- maximum process stability
- higher output performance
- precise and dynamic control
- flexible integration and retrofit
- patented, future-ready technology

F-TYPE COUNTER-FLOW AIR RING

Engineered Airflow for Superior Cooling

Counterflow Air Ring

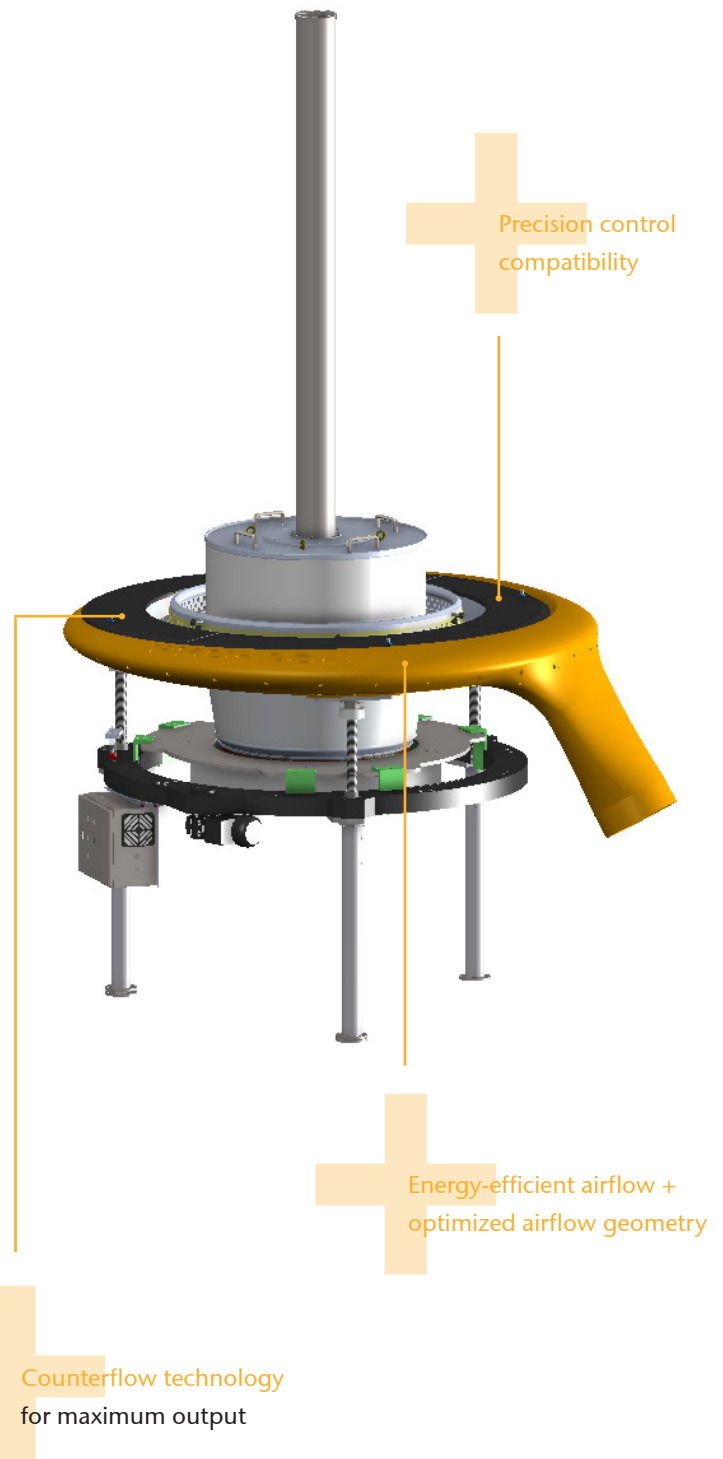
The counterflow air ring is a high-performance solution for efficient cooling in blown film extrusion. Its optimized airflow design, featuring opposing air streams, ensures particularly uniform and intensive cooling of the film bubble, even at high output rates.

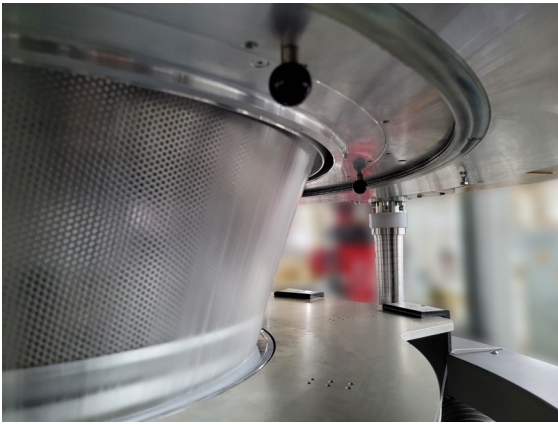
By combining primary and counterflow air, heat dissipation is significantly improved, resulting in a more homogeneous thickness distribution across the entire film width. At the same time, bubble stability is enhanced and sensitivity to process fluctuations is reduced.

The air ring is designed for seamless integration into modern control and measurement systems, supporting highly automated and stable extrusion processes.

YOUR BENEFITS

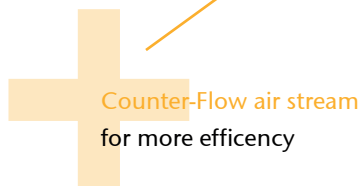
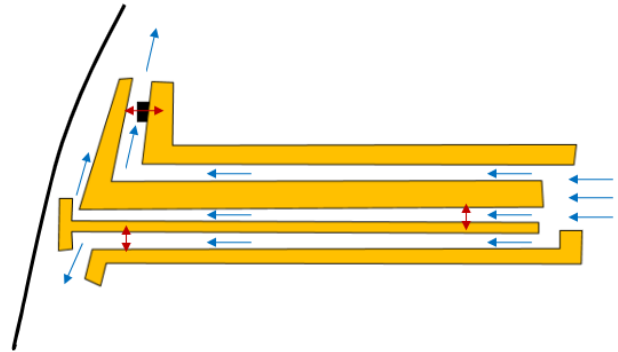
- increased cooling efficiency for higher output rates
- improved thickness distribution (cross profile)
- excellent bubble stability under demanding conditions
- reduced scrap and consistent product quality
- energy-efficient and reliable operation





The **Triple Lip Insert** features innovative flex lip technology, enabling precise control of the main cooling air stream. The counter-flow and auxiliary air streams can be accurately regulated to achieve optimal cooling performance. Additionally, both the volume and velocity of the counter-flow and auxiliary air can be individually adjusted, ensuring maximum flexibility and efficiency in operation

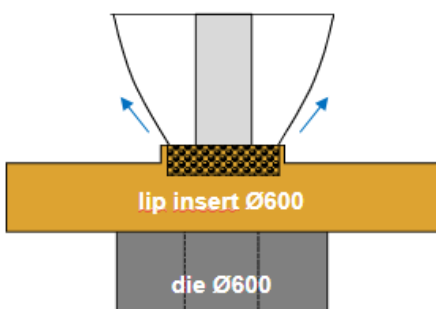
Counterflow principle:



Counter-Flow: Working Principle

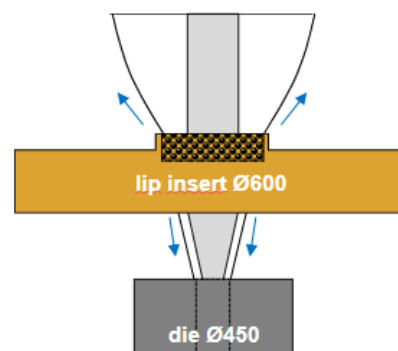
Conventional air ring:

In conventional systems, the lip insert matches the die size and operates with a standard IBC tower design.



Counter-Flow air ring:

In contrast, the counter-flow air ring uses an oversized lip insert in combination with a specially designed, conical IBC tower. The elevated air ring position, together with the counter-flow air stream, helps to stabilize and guide the bubble more effectively. This configuration creates an oversized virtual die diameter at the lifted air ring position, resulting in improved process stability and performance.



A close-up photograph of industrial machinery. A prominent yellow curved beam is visible, secured with several silver bolts. Below it, a blue sensor probe with a black cable is mounted on a metal frame. The background shows a complex network of metal beams and structural components, suggesting a factory or manufacturing environment.

Measurement and control systems

Solutions for IBC and width measurement

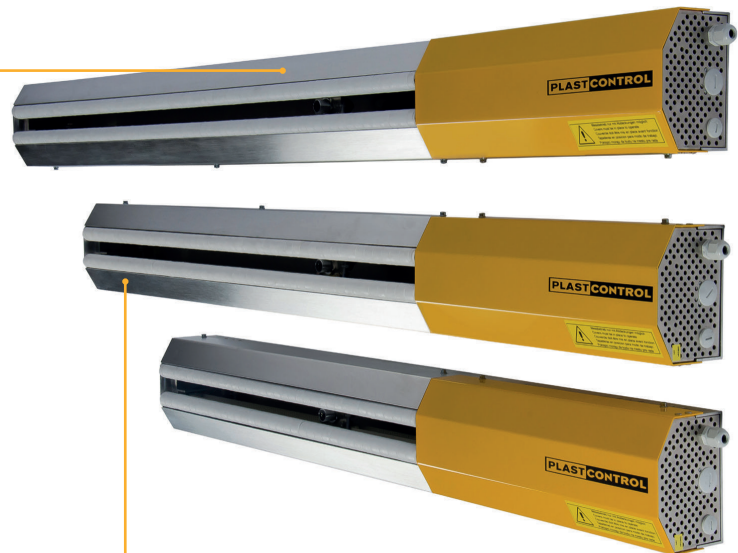
PRO-WIDE

Capture every Dimension with Accuracy

For films with side gussets, a width measurement can possibly be carried out via the ultrasonic sensors of the IBC. For films without side gussets, a separate width measurement is required.

Here, a width measuring bar is installed between the flat lay and the winder. Width fluctuations are compensated by a diameter adjustment of the calibration basket and the IBC control. The measurement precisely detects the edges of the film.

Any shrinkage
is largely completed
at the measuring point



The width measurement
is taken shortly before the winder
and thus corresponds exactly to the width
on the film wrap

The entire PLAST-CONTROL team is very supportive and always ready to assist, no matter what the problem or the given time requirements. Our cooperation with PLAST-CONTROL has always been very positive and encouraging for us.

Rahul Agrawal, Managing Director, Shiv Shakti Packaging Pvt. Ltd., Nepal

YOUR BENEFITS

- precise width control
- various roller surfaces
- torsion-resistant design
- wide range of applications

PRO-SONIC

Measure without Compromise

PRO-SONIC can be implemented in any PLAST-CONTROL system. Three ultrasonic sensors are used for non-contact measurement.

Replacing an existing IBC control system often makes sense, as today's systems are non-contact, much more precise and respond faster. This saves edge trim width and minimizes scrap.



YOUR BENEFITS

- central operation
- cost-effective use of existing
- computer capacities
- contact-free measurement



PRO-SONIC PLUS

PRO-SONIC PLUS builds on the proven capabilities of PRO-SONIC and extends them with additional features for further process optimization. Integrated blower tracking and a dedicated start-up support function ensure a more stable start-up phase and improve overall process efficiency.

Additional interfaces such as start/stop and 0–10 VDC allow for flexible integration into existing system concepts and significantly expand control options.

YOUR BENEFITS

- more stable start-up process
- improved process control through blower tracking
- extended control and integration options
- increased process reliability



Thanks to highly accurate ultrasonic sensors and a control valve, we are able to achieve width variations of less than ± 2 mm even on existing systems



PRO-CAGE

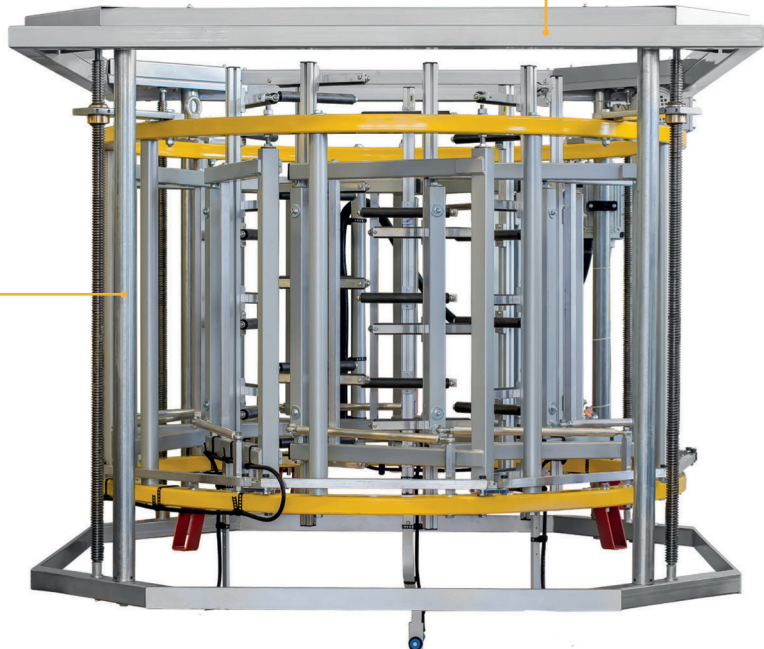
Where Perfect Film takes Shape

PRO-CAGE calibration basket is an extremely important component for the manufacturable quality of a film.

It is characterized by a very stable and intelligent design and a wide range of applications. Various attachments for the calibration rollers allow flexible adaptation to the respective film requirements.

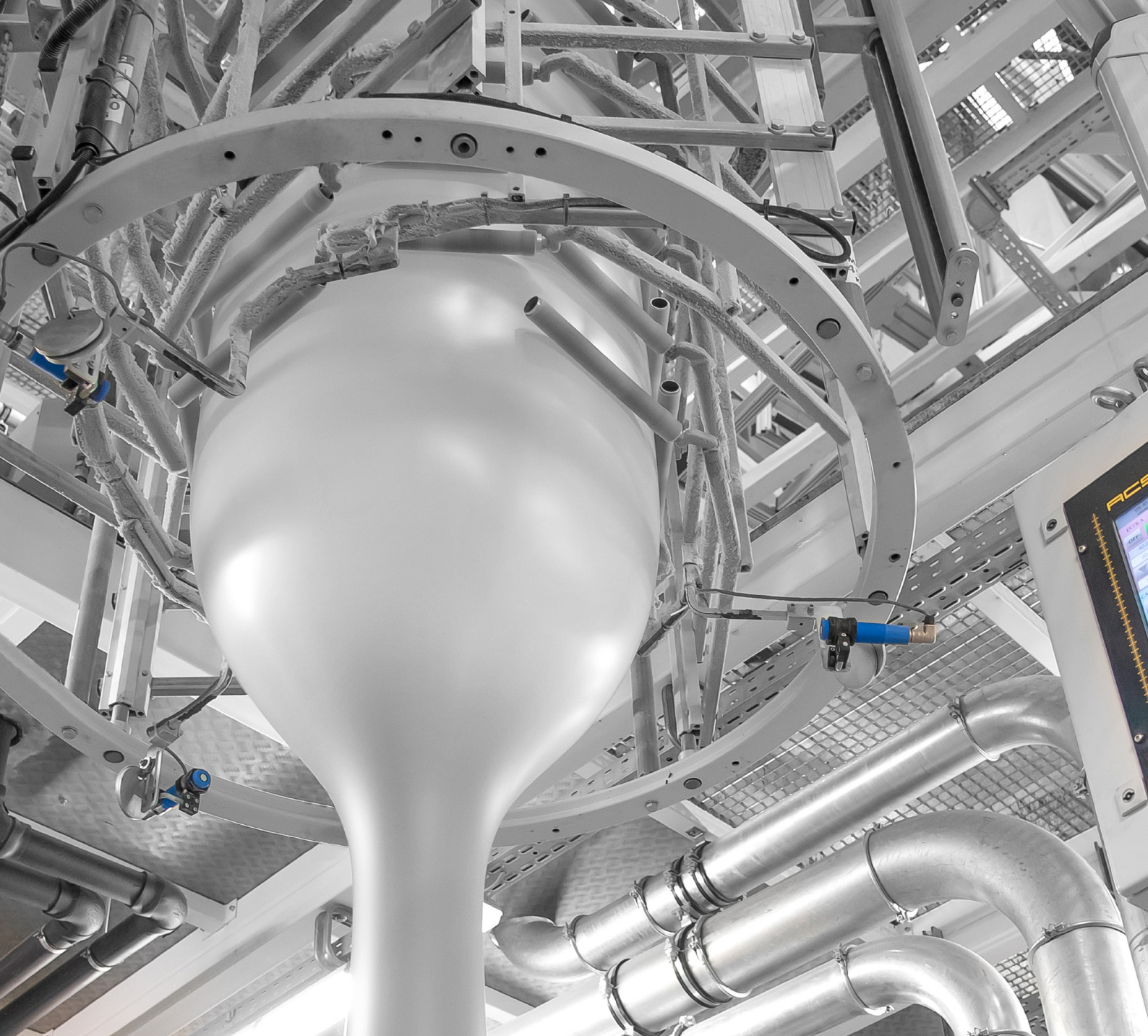
Available
in various designs,
also as a scissor-type
calibration

Flexibly adaptable
to the requirements
of the respective film



YOUR BENEFITS

- precise width control
- various roller surfaces
- rigid design
- wide range of applications



Special solutions

Engineered solutions beyond
the ordinary



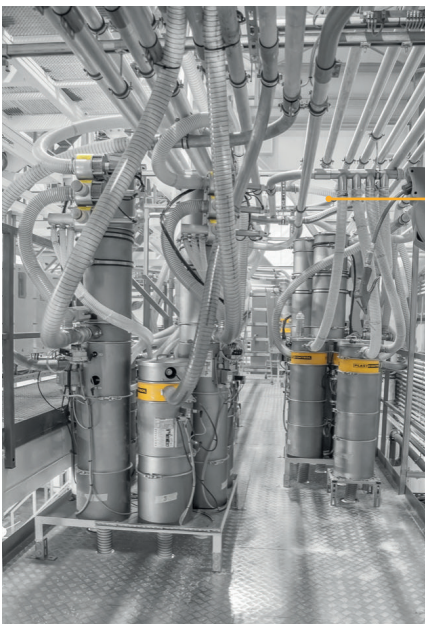
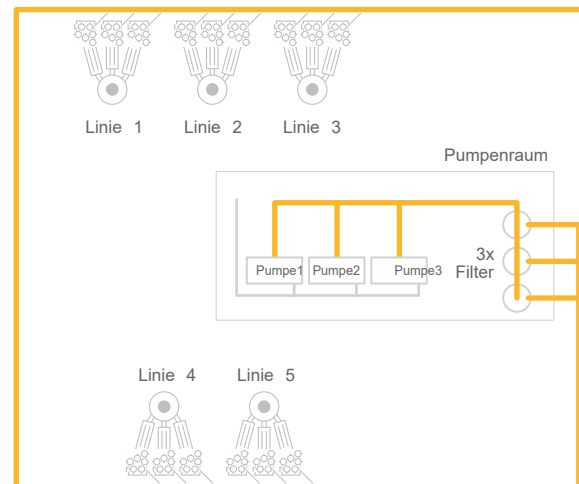
PRO-VAC

Centralized Conveying for Maximum Efficiency

More and more extrusion plants are centralizing the vacuum system needed to convey raw materials from the silos to the machines.

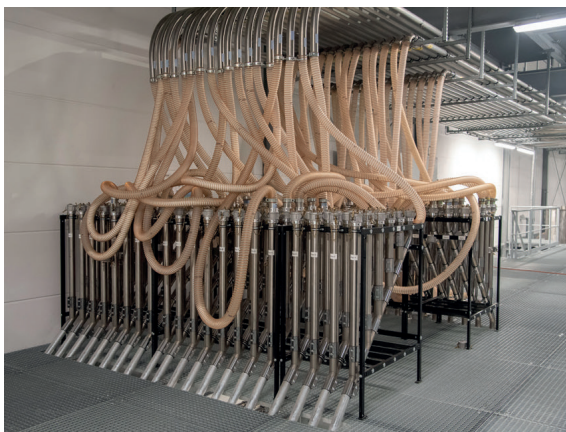
For this purpose, several powerful vacuum pumps and corresponding pre-filters are installed in a closed room. The entire production hall is supplied with vacuum via a central pipeline.

In addition to the diverse hardware solutions for vacuum supply, PLAST-CONTROL offers intelligent software solutions. Material Minimizing Control (MMC) ensures that the storage bins are already completely empty during a changeover and that only a small amount of material remains in the weighing hopper.



The advantages of centralized vacuum production

Energy efficiency, workplace-appropriate noise protection and significantly increased performance at lower investment costs



YOUR BENEFITS

- noticeable lower energy consumption
- high flexibility
- increased availability
- reduced maintenance effort
- centralized control
- no dust contamination in the production hall
- noise prevention in the production hall

PIPE-IDENT & PCH-E

Eliminate Errors. Ensure Quality

Coupling detection PIPE-IDENT

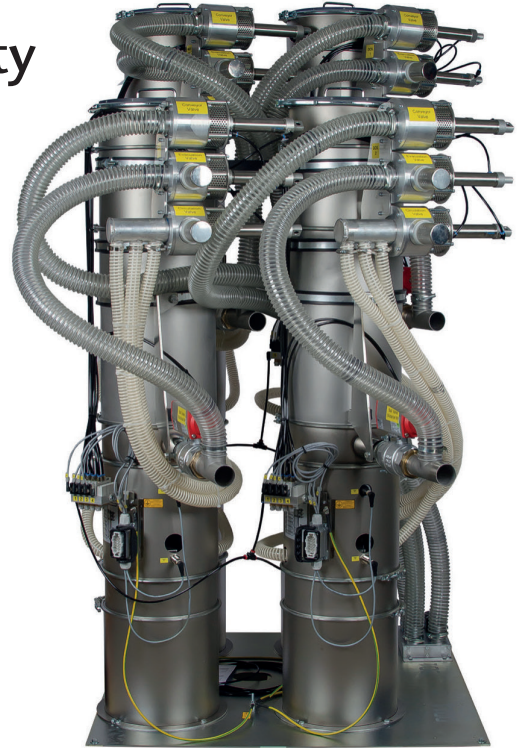
Faulty coupling of material feed hoses is made largely impossible with PIPE-IDENT.

The removable flex hose is provided with a fixed coding, the rigid side is coded via a cable and a computer. If the flexible side is now coupled with an incorrect mating part, an alarm message appears. The identification of each closed coupling is done through short-range transmission.



YOUR BENEFITS

- high customer binding
- reduction of production errors
- unique feature with integration in SCADA system
- no suction if incorrectly coupled
- comparison of recipe on machine with material types in the silos



Dust separation with PCH-E

Dust and contamination of the virgin material often cause problems in the extrusion process. Especially long transport distances between the silos and the machines with many elbows generate angel dust and angel hair that should be filtered before entering the extruder by using filtration devices. For this type of problems, there are many solutions available - just ask our engineers.

YOUR BENEFITS

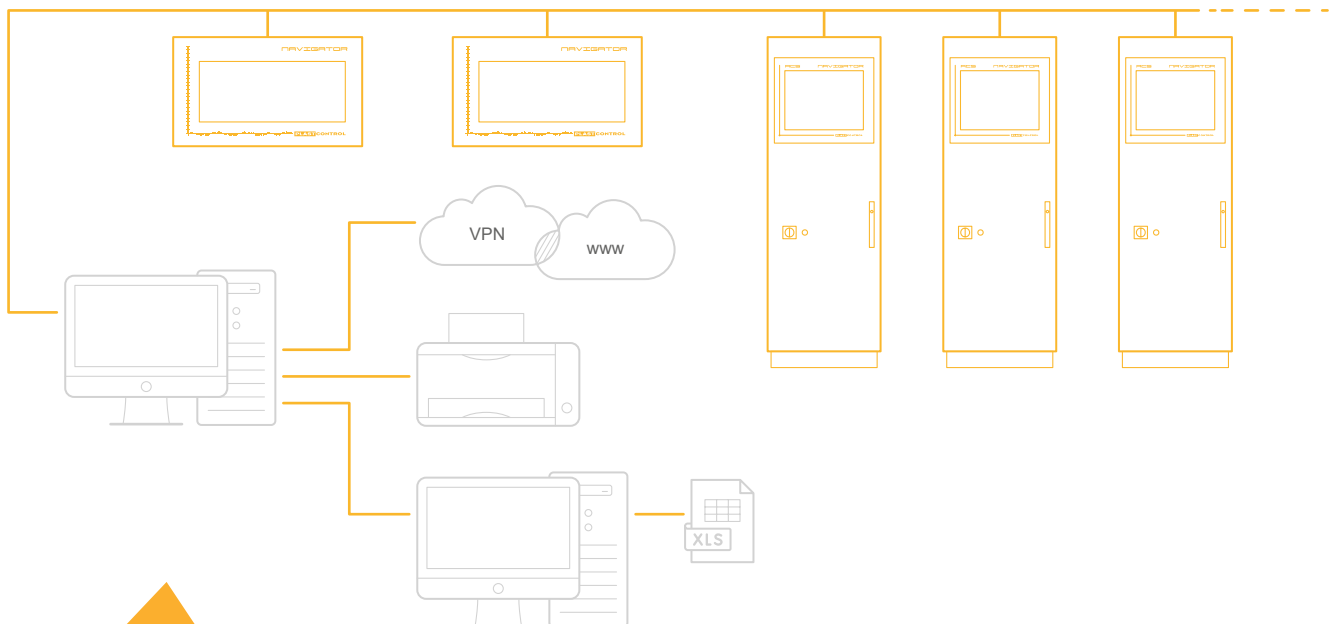
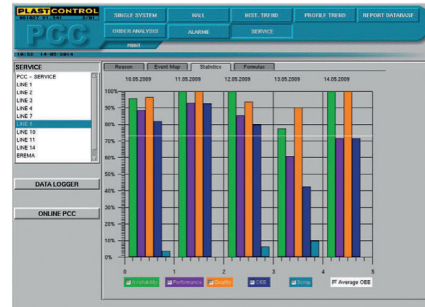
- high transparency
- energy efficiency
- customized design
- high reliability
- efficient filtering of dust and angel hair



Real-Time Plant Transparency for Modern Extrusion

The plant-wide networking of all extrusion lines with PCC creates a previously unimaginable transparency of all actual processes in production - in real time!

Centrally, on a PC, all existing production data of each plant are made visible online. With PCC it is very easy to carry out a complete material database, quality control, data backups, production controls and work preparations.



The collaboration with PLAST-CONTROL goes back nearly two decades, in fact, we introduced PLAST-CONTROL in India after a global search for a partner for automation for our blown film lines. The innovations in automation for the blown film technology are very beneficial for us as a machinery manufacturer as well as for our customers. The after-sales-support is for us an important aspect of a business relationship. The fact that PLAST-CONTROL offers this type of support on-site in India is a key confidence factor for both ourselves and our customers. We do look forward to further strengthening our relationship with PLAST-CONTROL.

**Yogesh Joshi, Head Technical Purchase,
Rajoo Engineers Ltd., India**

YOUR BENEFITS

- OEE (Overall Equipment Efficiency)
- real-time production transparency
- material database capability
- central data backup
- online access to all production parameters
- scrap accountability
- central logging of machine status and alarms
- remote maintenance
- integration into your plant network

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