



# EAS

Your improvement, our challenge



## *Introduction*

# More than **3 decades** transforming the textile industry through **technology and innovation**

Since 1991, we've been revolutionizing the textile industry with innovative solutions that transform every stage of the production process—from weaving to finishing. We are experts in automation and apply cutting-edge technologies to maximize the operational efficiency of the factories that trust us.

We're driven by the challenge of turning obstacles into opportunities. That's why we work closely with you, tailoring our tools to your specific needs so you can achieve your goals with tangible and sustainable results.

Your growth is our greatest inspiration. With our experience, you don't just modernize your company—you position it at the forefront of textile innovation. Let us be your strategic partner on this exciting journey into the future.



Your improvement,  
our challenge

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# Letter from CEO

**>> Our innovation comes from listening to our customers. That's what matters most to us"**

## **Innovation with purpose: growing alongside our customers**

At EAS, we work every day with a clear goal: to help the textile industry move forward, automate, and grow sustainably. We believe in the power of technology to transform processes and unlock people's potential, allowing them to focus on what truly adds value. Our experience and commitment to excellence have made us a benchmark in automation solutions for dyeing and weaving mills around the world.

We know that innovation doesn't happen on its own or by chance. We find innovation by listening to our customers. That is the most important thing for us. Every solution we develop, every improvement we implement, and every new project we undertake originates from the real needs of those who trust us. Thanks to this active listening and tireless teamwork, we are able to deliver more efficient, flexible, and tailored systems for each production environment.

This catalog reflects our vision and our proposal to support our customers on their journey toward automation. As you browse these pages, we hope you can envision the future of your company with the peace of mind that comes from having EAS as your technology partner.

Thank you for trusting us.

**Agustí Escarré Arumi**  
CEO y EAS founder



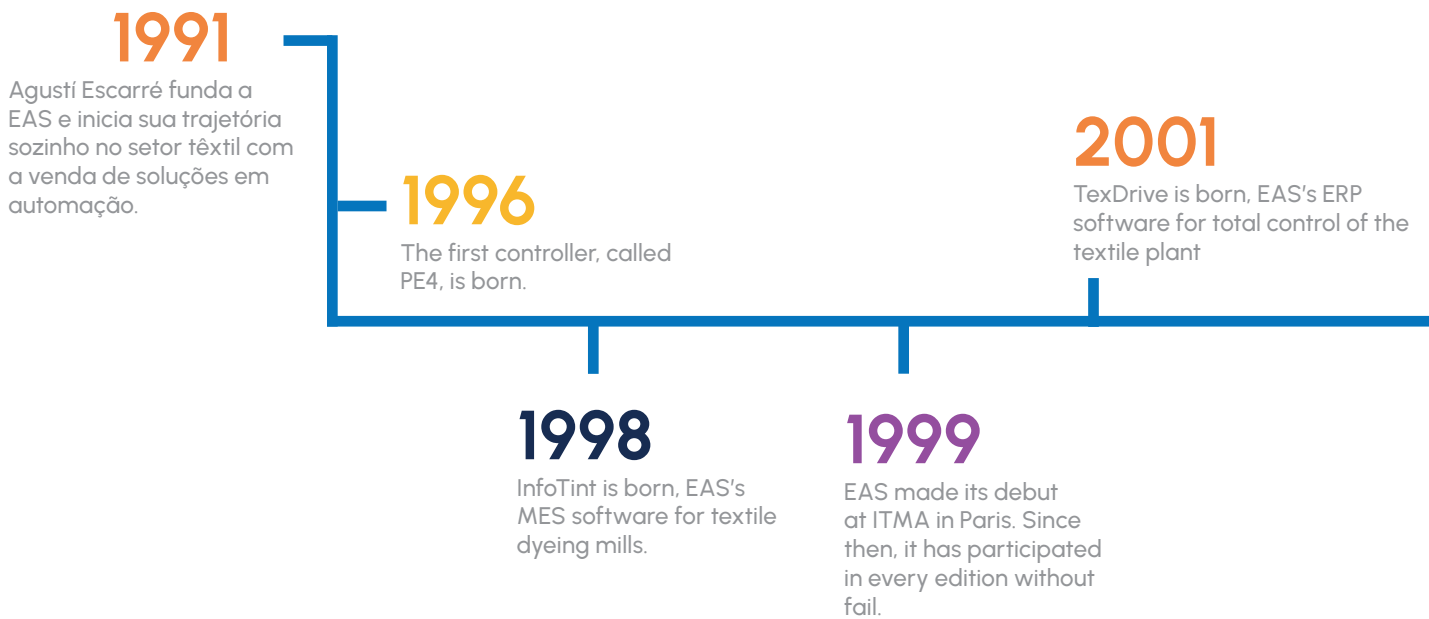
> [View corporate video.](#)

**Work smart,  
empower growth.**

**EAS**

# Always committed to the growth of textile industry.

Always committed to the growth of the textile industry. We have developed an optimized structure that maximizes our capabilities and resources. This approach allows us to serve each business unit specifically, allocating talent, time, and resources precisely and efficiently to ensure superior and personalized results.



# EAS

## Software

We have created a system that simplifies and improves the entire textile manufacturing process, with the purpose of optimizing operations and increasing your company's productivity.

Our modular ERP software adapts to the specific needs of each type of company, ensuring seamless integration with production processes. What sets our software apart is that it is unique in the market, as it connects directly with the machine park, providing total and real-time control over production equipment.

# EAS

## Automation

We provide the most advanced systems for textile machine automation, achieving precise control at every stage of the fabric manufacturing process.

Our dosing systems are specially designed to automate the distribution and preparation of chemicals, dyes, and salt. This ensures efficient and consistent production while maintaining high quality standards.

In addition to our automation expertise, we also offer spare parts and accessories for textile machines from leading manufacturers.



We simplify the management of connections between the different sections of the company, making it possible for our own software systems to communicate with the various machines in the textile plant.



We focus on implementing a simple manufacturing process that supports data-driven decision-making, using automatically collected, real-time data centralized in a powerful management software, ensuring that processes become more sustainable and profitable.



Our business divisions are interconnected, enhancing the development of technological tools that continue to drive the digitalization of the textile industry.

**2006**

EAS opens its first branch in Brazil, in Brusque-SC. An international leap that allows us to work with the leading textile companies in the country.

**2011**

EAS opens its second branch in Lima, Peru. A strategic support point to continue expanding across the American continent.

**2015**

We introduce the new line of controllers, Series 300 and 900. A new concept in textile automation.

**2018**

TecnoSal is born, our brine preparation and dosing system.

*"Automating without purpose is simply transferring inefficiency from one place to another." – Henry Ford.*

**2022**

We have revamped the Series 300 line of

**Nowadays**

We continue innovating and exploring strategic markets. EAS keeps strengthening its position as a leading company in the Americas.

**2025**

EAS Barcelona relocates its headquarters. A larger, modern, and well-lit space to continue growing as a company within its expansion plan.





*Sustainability*

# Walking to the **#greenmanufacturing**

At EAS, we understand that sustainability is key to achieving the UN Sustainable Development Goals by 2030. Therefore, we offer solutions that enable our customers to optimize their textile production in an efficient and responsible way.

Thanks to our advanced KPI (Key Performance Indicators) measurement tools, we help companies monitor and improve all critical production parameters. With key statistics such as RFT (Right First Time), we reduce rework and improve fabric quality from the first try. In addition, OEE (Overall Equipment Effectiveness) ensures that production loads are fully utilized, maximizing the performance of each batch.

With these solutions, we not only optimize processes, but also guide our customers towards a more sustainable and resource-conscious production.

Join the shift to a more efficient and environmentally friendly textile industry with EAS!

Software

# Real-time data that delivers extraordinary results

Drive the future of your textile production with our intelligent software, which connects directly to your machines to give you full, real-time control of every stage of the process. From planning to performance tracking, you'll have the tools you need to optimize every detail of your operation.

Forget guesswork: our technology allows you to make quick and confident decisions based on accurate and up-to-date data.

Take your company to the next level and stand out in a competitive market.

Join the textile revolution and transform your future with us!



*Optimize your operations,  
increase your productivity.*







# TexDrive

The textile ERP that connects  
to the machine park.

# TexDrive

## Unifica todos los sectores con el mejor ERP textil.



TexDrive is an ERP system specifically designed to address the unique needs of the textile industry. It excels in industrial connectivity, seamlessly integrating all essential ERP functions. The system manages administrative documents, labels, listings, and more, providing a comprehensive solution tailored to textile industry requirements. Its modular design allows easy integration of specialized software modules

including TexPes for chemical weighing control, TexLab for centralizing developments, TexOffer—an exclusive module for price control and commercial offer management—and TexMant, which enables full management of machine park maintenance. Additionally, TexDrive features communication drivers that ensure seamless interconnectivity between its own systems and third-party solutions.



### Maximize the efficiency of your

From commercial management to billing, integrate inventory, route planning, and formulas into one intuitive platform.



### Access detailed production data

Monitor costs and performance instantly. Generate historical statistics for in-depth analysis.



### 100% integrated with your system

TexDrive connects in real time with your machine park, dosing systems, and warehouse, ensuring comprehensive control at every stage of production.

**>> TexDrive enables traceability and centralizes all information of the textile plant within a single environment.**

TexDrive stands out for its exceptional ability to connect with the machine park through HMI systems like Atlantis, providing a comprehensive view of operations. It allows you to manage the entire manufacturing process—from raw material receipt to final product shipment—offering cost control and prioritizing detailed production planning.



## General ERP features

### Administrative

- Commercial provisions.
- Customization of labels and customer documents
- Multilanguage support.
- Management of fabric warehouse, incoming delivery notes, and batches.
- Product order sheets, supplier orders, and order receipts management.
- Management of external collaborators.
- Shipments and delivery notes customized by client
- Management of pricing by client with discount codifications by item, color, among others.
- Generation of documents in PDF format and automatic email sending, configurable for each client.
- Customizable reports by client, exportable in Word and Excel formats.
- Grids on all screens for easy visualization of registered data.

### Productive

- Management of manufacturing orders.
- Modifiable graphical planning.
- Route sheet management.
- Reprocessing management.
- Full integration with production machines.
- Product warehouse management.
- Configurable production reports.
- Production tracking (general, by machine, item, operator, client, etc.).
- Production costs.
- Operator management.
- External reprocessing.
- Traceability of the entire process.



### Accurate financial management and

Take your finances to the next level by optimizing financial management and cost control, allowing you to plan better and make smarter, more profitable decisions with confidence.



### Compare costs and set prices

Optimize your profitability by comparing current costs and simplifying product pricing based on inputs and profit margins, enabling you to make faster and more competitive decisions.



### Send accurate quotes instantly

Boost your sales by generating quotes with a single click, using customized templates that streamline communication, impress your clients, and give you more time to close more deals.

**>> Make financial decisions based on real production data. A key piece in your business project.**

# TexOffer *New!*



## Control margins and costs, get prices, and send quotes with just one click.

TexOffer is an advanced module of TexDrive specifically designed to optimize margin analysis and budget creation in the textile industry. With an intuitive interface and powerful financial management tools, TexOffer enables precise cost control, making it easier to generate highly competitive quotes tailored to your company's needs. This comprehensive solution not only improves decision-making efficiency but also ensures greater profitability and agility in your financial operations.

Features	
Cost control	<ul style="list-style-type: none"> <li>• Manage by cost centers for precise control.</li> <li>• Manage fixed costs and expenses.</li> <li>• Compare the current cost with the last one recorded in the system (standard cost).</li> <li>• Work with different costs for inputs: standard, average, or last purchase.</li> <li>• Consult the cost history of inputs for up to 10 years for monitoring and forecasting.</li> <li>• Compare actual cost with forecasted cost.</li> <li>• Obtain a cost control dashboard by collection, showing chemical costs, utilities, and operation costs (total route cost).</li> </ul>
Pricing management	<ul style="list-style-type: none"> <li>• Calculate prices and automatically generate quotes based on the generated costs.</li> <li>• Base prices on factors such as client, profit margin, contribution margin, break-even point, and forced price.</li> <li>• Include special services in the total process price.</li> <li>• Manage standardized margins at 3 levels: standard, acceptable, and critical.</li> <li>• Generate quotes based on tables automatically generated by the system.</li> <li>• Send quotes by email directly from the quote screen.</li> <li>• Attach technical documents to quotes (machine capacity, technical notices, etc.).</li> <li>• Generate different quote templates according to client needs.</li> <li>• Manage the validity of quotes: if a special negotiation has expired, the system will automatically look for standard prices.</li> </ul>
Results analysis	<ul style="list-style-type: none"> <li>• Visualize the contribution margin per client, total or unit, over a given period.</li> <li>• Consult invoicing by period.</li> <li>• Obtain the quantity (in kilos or meters) invoiced during a given period.</li> <li>• Know the quantity of materials processed in a period pending invoicing.</li> <li>• Analyze the client ranking by contribution margin.</li> <li>• Evaluate analytically per client, opening work orders and operations carried out during given periods.</li> <li>• Generate KPIs: production (Kg or Meters) per client, high and low standard contribution margin, monetary value per client, high and low actual contribution margin.</li> </ul>





# InfoTint+

MES software for textile  
process management.

# InfoTint

## Boost your production with our **MES** software



InfoTint is the textile industry's leading software designed to improve the efficient management of dyehouses. In the factory environment, InfoTint connects directly to important devices such as machine controllers and dosing systems. This connection ensures detailed control of dye batch parameters, guaranteeing an accurate and efficient production process.

From an administrative point of view, InfoTint collects complete information from the ERP system, including detailed batch records and customer data. It also automatically sends essential production data, costs and alerts directly to the ERP system. Thanks to this solution, more effective and coordinated management is achieved, benefiting both the production and administration of the dyehouses.



### Connectivity with all the plant.

Directly connects to factory devices, allowing real-time and detailed control of all dye batch parameters to ensure consistency throughout the process.



### Centralized management connected to the ERP.

It gathers data from the ERP system and automatically sends essential information for effective administrative management..



### Control consumption and resources

Provides detailed data on resource consumption, enabling comparisons and analysis for more efficient management.

**>> InfoTint centralizes  
de management and  
centralization of processes  
and recipes by implementing  
an agile production system.**

The main function of InfoTint is to provide relevant data such as consumption time of water, steam, electrical energy, chemicals and dyes. These costs can be both theoretical and actual, depending on whether they are calculated before or after a dyeing process. This allows for detailed comparisons and analysis. Obtaining this data also makes it possible to create records and statistics related to production, dyeing efficiency, first try success rate (RFT), downtime, alerts and other important factors.



# Production control

The EAS production control system is designed to effectively collect essential production data, including efficiency, productivity and downtime. Its versatility allows it to be implemented in a variety of industrial processes, such as weaving, spinning, dryers and continuous machines,

This system a holistic view of the operation and facilitating informed decision making to improve overall system efficiency and performance.

## For weaving



### Direct visualization on the loom

The system displays key information directly on the machine in real time, such as order number, customer name, spindle speed, accumulated rotations, and downtime.



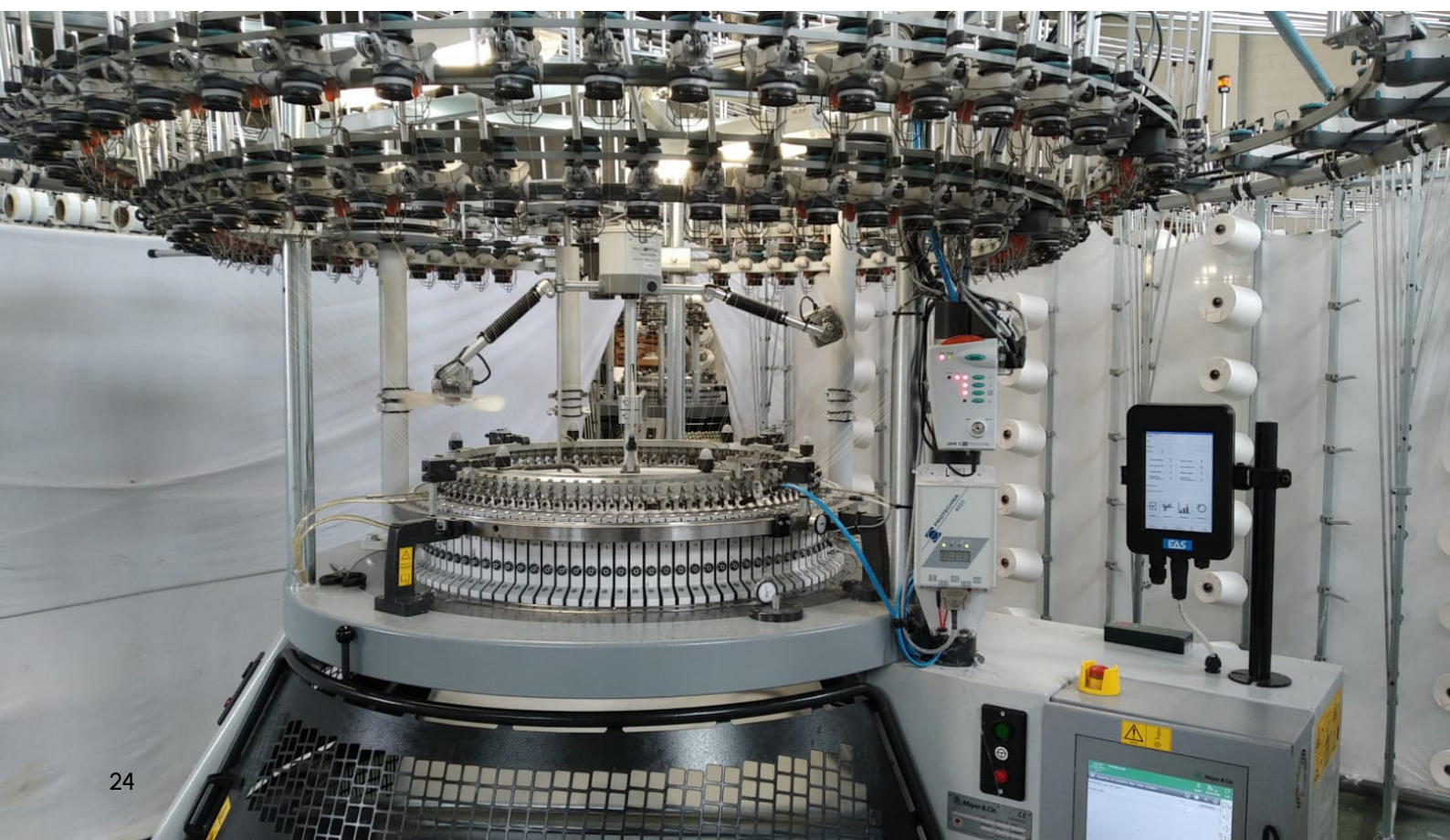
### Real-time information data

It allows instant production monitoring, providing a clear and up-to-date view of everything happening on the loom. This immediate information helps detect any incident as it occurs.



### Improves loom efficiency

This system facilitates informed decision-making by allowing detailed analysis of production data to optimize processes, increase overall plant efficiency, and minimize downtime,



## Reautomate the looms and give them a second life

We offer re-automation services for weaving machines, ensuring that machines continue to produce efficiently even in situations of technological obsolescence. Whether due to electrical problems, old PLCs or outdated systems, our upgrade service ensures that your machinery can adapt to current demands, keeping your production running smoothly.

## BI data visualization

Power BI allows us to create customized dashboards for detailed real-time tracking of extracted data. With this integration, our clients can access visually appealing and easy-to-interpret information, making it easy to identify trends, patterns and areas for improvement quickly and efficiently.

## For Stenters



### Essential data capture

With the PCT-300 Stand Alone and a PLC, you can record critical information from your machines, such as operating speed, downtime, OEE, and setup times, to achieve full control.



### Performance monitoring

This data allows you to have a clear, accurate, and real-time view of your production process performance, quickly identifying any deviations.



### Identification of continuous improvements

The information collected makes it easier to detect areas for improvement and optimization opportunities to increase the efficiency and productivity of the entire plant.

## More variables, more control.

By extending the capabilities of your PLC, you gain access to an even wider universe of variables. From field temperature to puller speed to web width, you'll be able to get a complete and detailed view of every aspect of your production. With this additional information, you can make more informed and accurate decisions to further optimize your process.

## Connecting the present with the future

With our Atlantis PCT-300 Stand Alone control system, we can not only capture data, but also establish full bi-directional communication.

By accessing the manufacturer's software driver\* installed on the stenter, we will take full control of the process. The Atlantis PCT-300 stand alone will establish a communication bridge between InfoTint and the stenter to send information in both directions and get the most out of this automation.





Funcionalidad	
Real-time visualization	Status of all machines or of a specific section.
Interaction with machines	Sending of line items, step changes and display of detailed synoptics.
Data logging	Graphs, alarms, functions and manual operations performed by the operator.
Formula management	Consultation, modification, forwarding of formulas or cycles.
Alarm notifications	Reception of warnings according to configured alarms.
Process management	Specification of sample results and addition of correction processes/cycles
Operators assignment	Assignment of operators to machines

# TexMonitor

## Controle the entire machine park from a single screen



TexMonitor is a comprehensive control and management software for dyeing machine controllers. Designed to optimize efficiency and productivity in the textile dyeing process, TexMonitor offers a wide range of functionalities that allow a complete supervision of the machines, management of dyeing formulas and parameters, detailed data logging and generation of detailed reports.



### Process optimization

Optimize your dyeing processes and reduce production times thanks to real-time monitoring and intelligent machine management.



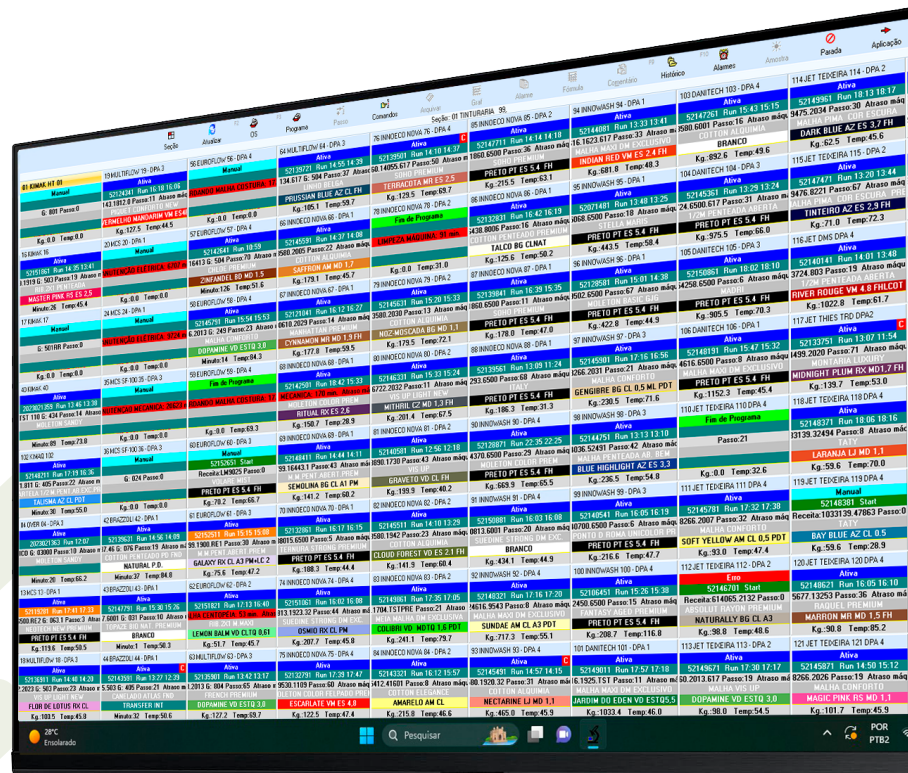
### Monitor the equipment fleet

Visualize the status of the entire machine park in one place and make strategic decisions based on accurate and up-to-date information



### Centralization of operation management

Manage machine operations remotely and send batches or step changes directly from the monitor.

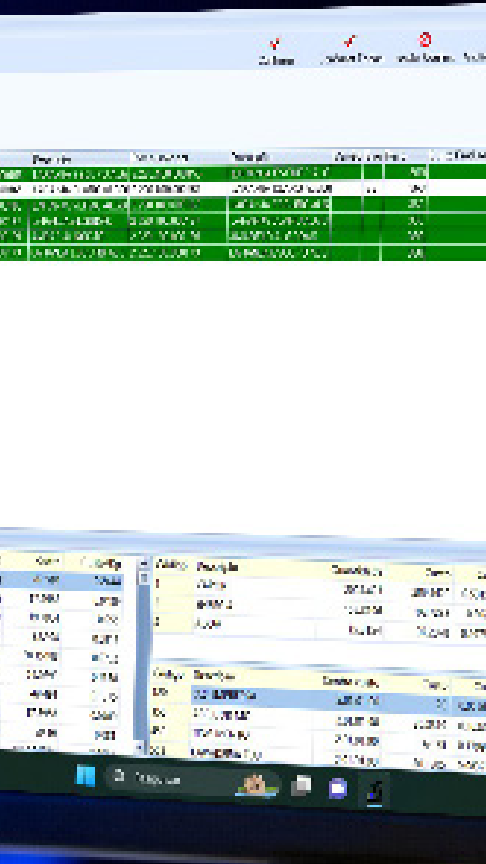




Code	Unit	Quantity	Price	Total
10001	kg	100	10000	1000000
10002	kg	200	20000	4000000
10003	kg	300	30000	9000000
10004	kg	400	40000	16000000
10005	kg	500	50000	25000000

Item	Brand	Category	Price	Stock
10001	Brand A	Category A	10000	100
10002	Brand B	Category B	20000	200
10003	Brand C	Category C	30000	300
10004	Brand D	Category D	40000	400
10005	Brand E	Category E	50000	500



# Software modules

**EAS**  
Software



Functionality	
Complete color management	Create, modify and validate color recipes efficiently.
Detailed history	Access a complete record of all tests and corrections performed.
Custom formulas	Generates formulas adapted to the composition of each item, optimizing the use of resources and reducing costs.
Flexibility	Define dyes and specific items for the laboratory or for production, according to your requirements.
Automatic validation	Once the trichromatic dataomy is approved, TexLab automatically transfers it to production, streamlining processes and minimizing errors.
Accurate calculations	It automatically calculates the quantities of products and salt required, depending on the family and quantity of dye in the trichromatic dataome.
Machine management	Optimizes the loading of the laboratory dyeing machines and controls the process efficiently.



# TexLab

## R&D development and laboratory control for dyehouses

TexLab, the module that integrates with InfoTint and offers unprecedented control over the dyeing process: from color creation to full-scale production. With TexLab, you will have all the dyehouse engineering in a single system, optimizing efficiency, reducing costs and ensuring color consistency in every batch.



### Reduces costs

Reduce costs by optimizing the use of dyes, chemicals and auxiliaries thanks to precise and automated calculations.



### Increases efficiency

Increases efficiency by streamlining the recipe development process and large-scale production.



### More consistent colors

Improves color consistency by ensuring color uniformity in every batch, from the first trials to final production.



### Precise management

Minimizes material wastage through accurate inventory and recipe management.

**Ensures that production is aligned with color development in the laboratory**

Processo	Data	Descrição	Cor	Procedido	Sitio	Empregados	Data real	Data Prevista	Data Entrega
3630	1	1.1.15.854.0001.1	AGUELA PA	040	040	585	02/03/2023	07/03/2023	
3639	1	1.1.15.854.0001.2	AGUELA PA	040	040	585	02/03/2023	07/03/2023	
3638	1	1.1.15.854.0001.3	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3637	1	1.1.15.854.0001.4	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3636	1	1.1.15.854.0001.5	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3635	1	1.1.15.854.0001.6	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3634	1	1.1.15.854.0001.7	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3633	1	1.1.15.854.0001.8	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3632	1	1.1.15.854.0001.9	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3631	1	1.1.15.854.0001.10	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3630	1	1.1.15.854.0001.11	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3629	1	1.1.15.854.0001.12	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3628	1	1.1.15.854.0001.13	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3627	1	1.1.15.854.0001.14	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3626	1	1.1.15.854.0001.15	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3625	1	1.1.15.854.0001.16	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3624	1	1.1.15.854.0001.17	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3623	1	1.1.15.854.0001.18	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3622	1	1.1.15.854.0001.19	AGUELA PA	040	040	881	01/03/2023	06/03/2023	
3621	1	1.1.15.854.0001.20	AGUELA PA	040	040	881	01/03/2023	06/03/2023	

# TexPes

## The best solution for dye weighing control



TexPes is the ideal solution for the assisted control of manual weighing of dyes and/or auxiliaries in the textile industry. This system allows you to automate and simplify your weighing tasks, saving time and improving the accuracy of your processes.



### Avoid waste

Reduce errors and waste by defining the exact quantity of each ingredient.



### Automate weighing

Automates weighing tasks, barcode scanning, and label printing.



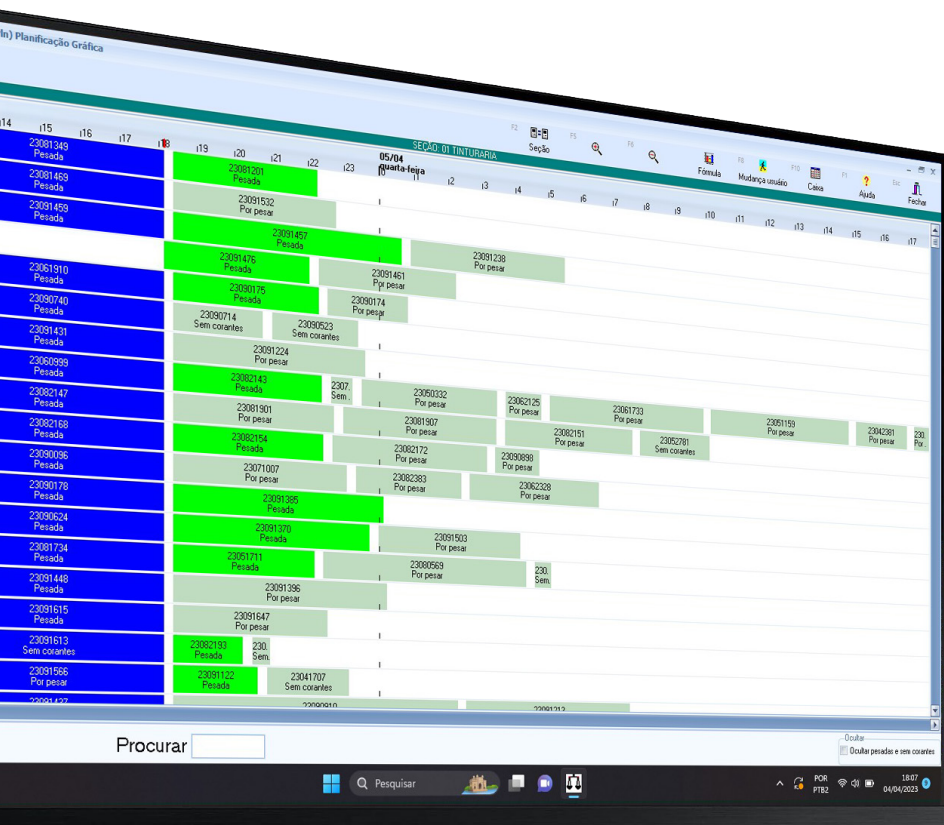
### Review consumptions

Access to a consumption history that allows you to review the details of each weighing.



### Connect with scales

Flexible system that connects with scales from the leading manufacturers on the market.



*Automates chemical section weighing and streamlines production process*



Functionality	
Checkweighing	It allows you to define the exact amount of each ingredient you need to weigh, which helps you avoid errors and waste.
Universal connection	It connects to any scale with RS-232 serial connection via a standard driver, making it a versatile and adaptable solution to your needs
Visual display	It offers a clear Visual display of the pending weighing batches, allowing you to follow the process in a simple and efficient way.
Barcode reading	Identify barcodes and products using this system, which saves you time and eliminates the possibility of manual errors.
Configurable tolerance	Define the tolerance per product and scale used, which guarantees maximum precision in your weighing.
Weighing of partial quantities	It weighs partial quantities of the same ingredient, giving you greater flexibility in your processes.
Change of batches	Change dye batches during weighing, allowing you to work with different materials efficiently.
Consumption history	Prints labels with the information of each weighing, which helps you keep an accurate record of your consumption.
Label printing	You can review the consumption history of each ingredient, which provides you with valuable information for decision making.



Funcionalities	
Control and recording of machine histories	Keep a detailed record of all work performed on each machine. Include dates, technicians, parts used and other relevant information. That way you can easily access work histories for analysis and informed decision making.
Spare part inventories	Complete spare parts inventory management. Track stock levels, costs and location of parts. Receive alerts when stock levels are low and optimize parts ordering.
Preventive maintenance	Plan and schedule preventive maintenance tasks in advance. Create customized maintenance schedules for each machine. Receive notifications when maintenance tasks are due.
Quality controls	Implement quality controls to ensure the proper functioning of your machines, creating customized checklists for each machine and recording the results.
Detailed reports	Generate detailed reports to analyze machine performance. Obtain information on the operating cost of each machine and identify areas of improvement to optimize them.



# TexMant

## Reduces costs and improves machine park maintenance

TexMant is a comprehensive software that allows you to efficiently manage all tasks related to machine park maintenance. From the planning of requests to the execution of work orders, from inventory control to the scheduling of preventive tasks, TexMant offers you a complete solution to optimize your resources and reduce costs.



### Improve operations

Improves efficiency and productivity by optimizing operations and extending machine life.



### Prevent downtimes

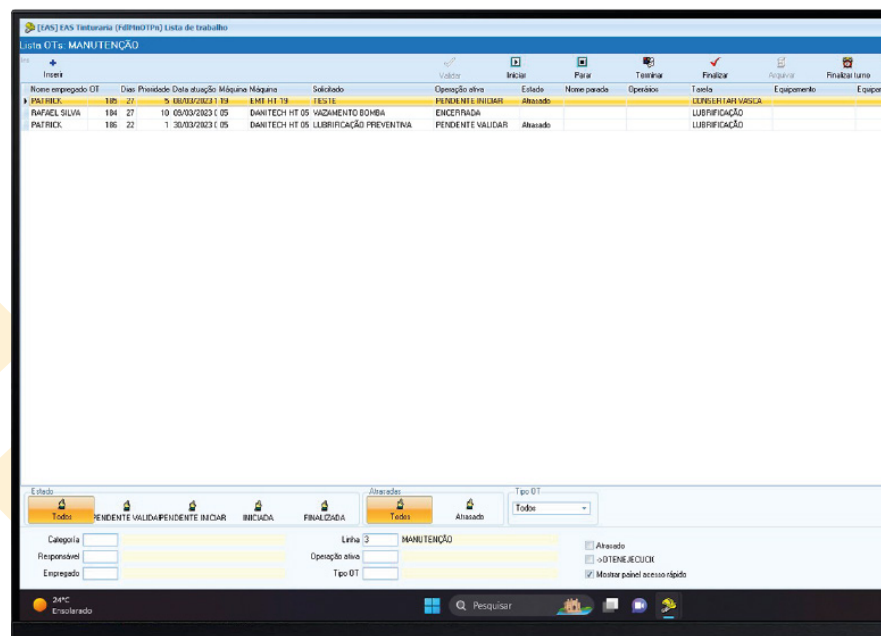
Reduces costs, helps prevent unexpected break-downs and make informed decisions about machine park maintenance.



### Schedule maintenance tasks

Implements a reliable quality control system to ensure optimal machine performance while maintaining all scheduled maintenance tasks.

*Plan and execute your maintenance plan perfectly*





New!

# Printing

## Optimization and total control of textile printing process.

This module has been designed to provide more precise control over stamping formulas and costs, thanks to its integration with the intelligent formula module. With this tool, you only need to register the stamp and colors; the system takes care of the rest, automatically generating the complete formula. This not only standardizes the process, but also improves quality and reduces operating costs.

For cost control, the system incorporates a tool that simulates the production formula, detailing all costs associated with stamping. This includes a breakdown of paste inputs, as well as utility expenses (water, energy and heat) and labor.

Funcionalities	
Automatic batch generation and planning.	Create batches with automatically incorporated inputs for efficient production. And with its visual scheduler, you can conveniently reorganize production, creating a flexible workflow.
Cost control and optimization	Monitors available supplies and generates advance purchase orders to maintain stock. Details the costs of each print, including inputs and utilities, for accurate financial management. Integrates the TexOffer module for a more exhaustive control of costs associated with production.
Inventory control and traceability	Monitors available supplies and generates advance purchase orders to maintain stock. Tracks every aspect of the stamping process for total production control.
Printing and documents	Prints customized labels for each batch, facilitating traceability and identification. It also exports reports and lists in Word and Excel format for easier information management.
Alerts and monitoring	Establishes rules to generate warnings or blockages in the processes as defined, ensuring quality. Performs technical calculations and integrates them into batch printing, ensuring process accuracy.





## Plan smartly

Optimize your printing process with automatic batch generation and smart order planning, reducing production time and errors.



## Monitor all costs

Keep thorough tracking of the costs associated with each print, from raw materials to profits, enabling more accurate financial management and increased profitability.



## Improve quality control

Customize quality control tools to meet your specific needs, ensuring each product meets the highest standards and improving customer satisfaction.



***Take control of the whole printing process***



## Smart recipe

# Recipe automation for dyeing optimization

Smart Recipe is an innovative module that allows the creation of complete dyeing recipes automatically, based on basic information such as trichromatic data on my and batch properties. This intelligent system uses a set of rules and exceptions programmed through formulas and constraints to ensure accuracy and consistency in the dyeing process.

This module takes into account several key variables, such as the fiber of the fabric, dye type and quantity, desired color, customer, dyeing machine, the amount of fabric, possible defects in the item, availability of the process route and water hardness. By analyzing these variables, the system applies predefined rules and exceptions to generate a complete dyeing recipe, optimized for the specific batch.





## Automate the planning

The Smart Recipe automates dyeing planning with programmed rules and exceptions, reducing time and effort.



## Plan batches

The dyer's criteria are incorporated into the system and consistently followed, regardless of who plans the batch, ensuring a uniform quality standard.



## Reduce operating costs


It helps reduce operating costs, which translates into increased profitability for the company. It also improves service quality, boosting customer satisfaction.

# Optimize production by applying rules and variables to ensure consistency and efficiency.

The screenshot displays the EAS Tinturaria software interface. The main window shows a list of recipes (Receita) with columns for Line, Process, Description, Type, Program, Date, and Status. The selected recipe is 'RECEITA INTELIGENTE ALGODÃO'. A secondary window shows the formula editor for this recipe, containing a complex set of rules and variables for process control.

Line	Process	Description	Type	Program	Date	Status
1	A4100	ANILIA ASSORÇÃO	ASSORÇÃO - TERMO	A4100	03/10/2023 15:00	FF 100.A4100
2	A100	REPROCESSO - ABANDAR INTENSIDADE CO	LAVACAO	A1100	23/06/2023 11:00	FF 100.A1100
3	P0100	REPROCESSO - PURGA OLEO CD	PURGA	P0100	23/06/2023 11:00	FF 100.P0100
4	RP100	REPROCESSO - LAVACAO PENUGEM CO	LAVACAO	RP100	23/06/2023 11:11	FF 100.RP100
5	PA100	REPROCESSO - PRETRINADA DE AMACIANTE CO	PURGA	PA100	23/06/2023 11:00	FF 100.PA100
6	RD100	REPROCESSO - DESMONTE CO	DESMONTE	RD100	23/06/2023 11:00	FF 100.RD100
7	RM100	REPROCESSO - MIGRACAO CO	LAVACAO	RM100	23/06/2023 11:11	FF 100.RM100
8	PA100	PRE-ALVEJAMENTO CO	PRE-ALVEJAMENTO	PA100	03/10/2023 09:22	FF 100.PA100
9	PA110	PRE-ALVEJAMENTO 105°C CO	PRE-ALVEJAMENTO	PA110	22/10/2023 09:22	FF 100.PA110
10	PL100	PRE-LAVADO PURGA CO	PRE-LAVADO	PL100	24/10/2023 11:11	FF 100.PL100
11	PL110	PRE-LAVADO PRE CO	PRE-LAVADO	PL110	24/10/2023 11:11	FF 100.PL110
12	PU100	PURGA CO	PURGA	PU100	04/09/2023 16:00	FF 100.PU100
13	PU105	PURGA CO	PURGA	PU105	01/09/2023 16:22	FF 100.PU105
14	TR100	TING 45°C 80°C SAL A. 3ALC. CO	TINGIMENTO REATIVO	TR100	18/10/2023 12:25	FF 100.TR100
15	TR110	TING MIGR. 80°C 60°C SAL A. 3ALC. CO	TINGIMENTO REATIVO	TR110	18/10/2023 16:25	FF 100.TR110
16	TR120	TING 45°C 60°C SAL A. 2ALC. CO	TINGIMENTO REATIVO	TR120	06/10/2023 11:25	FF 100.TR120
17	TR130	TING MIGR. 80°C 60°C SAL A. 2ALC. CO	TINGIMENTO REATIVO	TR130	24/10/2023 14:44	FF 100.TR130
18	TR140	TING 45°C 60°C SAL A. 1ALC. CO	TINGIMENTO REATIVO	TR140	16/10/2023 13:31	FF 100.TR140
19	TR150	TING 45°C 60°C 3 SAL D. 3ALC. CO	TINGIMENTO REATIVO	TR150	06/10/2023 11:44	FF 100.TR150
20	TR160	TING 45°C 60°C SAL A. 4ALC. CO	TINGIMENTO REATIVO	TR160	16/10/2023 09:04	FF 100.TR160
21	TR170	TING 45°C 60°C 3 SAL D. 2ALC. CO	TINGIMENTO REATIVO	TR170	16/10/2023 12:23	FF 100.TR170
22	TR1100	TING 84°C TURQ 3 SAL D. 3ALC. CO	TINGIMENTO TURQUEI	TR1100	06/10/2023 14:11	FF 100.TR1100
23	TR1110	TING 84°C TURQ 3 SAL D. 4ALC. CO	TINGIMENTO TURQUEI	TR1110	22/10/2023 09:22	FF 100.TR1110
24	TR1120	TING 84°C TURQ 3 SAL D. 2ALC. CO	TINGIMENTO TURQUEI	TR1120	16/10/2023 13:31	FF 100.TR1120
25	TR1130	TING 84°C TURQ SAL A. 3ALC. CO	TINGIMENTO TURQUEI	TR1130	16/10/2023 13:31	FF 100.TR1130
26	TR1140	TING 84°C TURQ SAL A. 2ALC. CO	TINGIMENTO TURQUEI	TR1140	06/10/2023 11:25	FF 100.TR1140
27	TO100	TINGIMENTO OPTICO CO	TINGIMENTO OPTICO	TO100	20/10/2023 10:44	FF 100.TO100
28	TO110	TING OPTICO TALCO/OFF WHITE CO	TINGIMENTO OPTICO	TO110	24/10/2023 10:55	FF 100.TO110
29	EN100	ENAGUE PÓS TINGIMENTO CO	ENAGUE	EN100	15/09/2023 16:25	FF 100.EN100
30	ES100	ENAGUE + NEUTRALIZAÇÃO SOLDEZ CO	ENAGUE	ES100	26/10/2023 09:22	FF 100.ES100





**Systems designed  
to create incredible  
fabrics**

**EAS**

*Automation*

## Technology applied to textile production

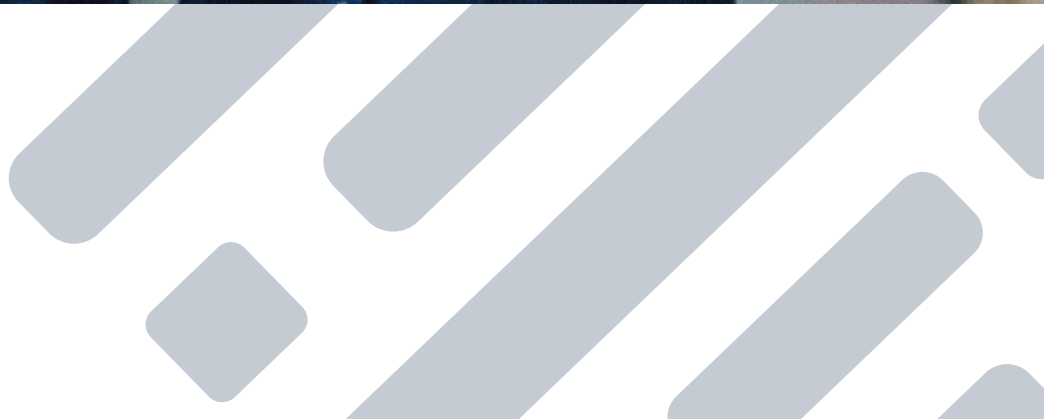
We offer advanced technological solutions for the automation of textile machinery, optimizing every stage of the production process with precise and efficient control. Our dosing systems automate the preparation and distribution of chemicals, dyes, and salt, ensuring consistent, high-quality production.

With over 25 years of experience in automation, we guarantee increased productivity and consistent results. We also offer a wide range of spare parts and accessories for textile machinery from leading manufacturers, providing comprehensive support to keep your operation running at peak performance.

**EAS**  
Automation

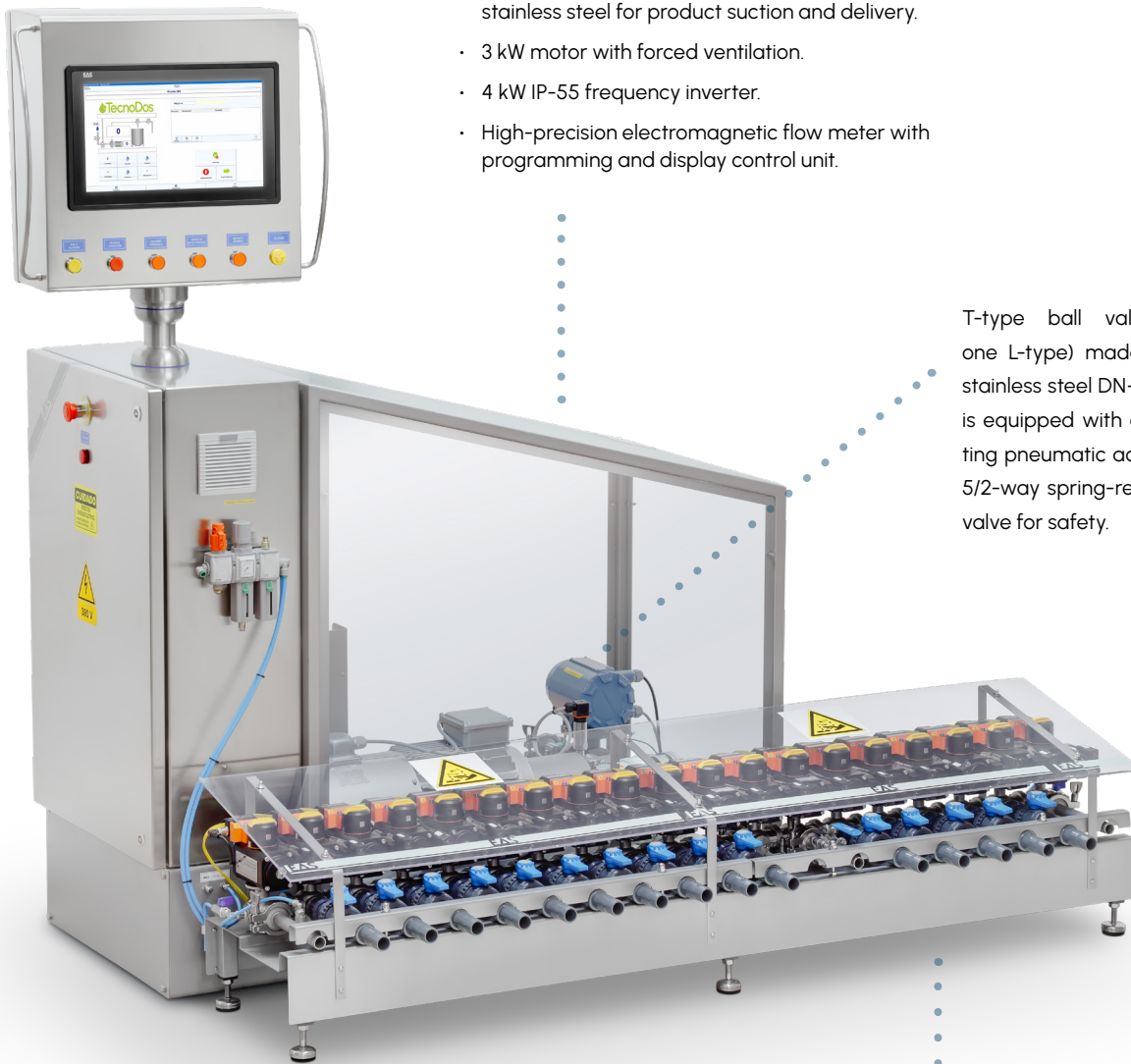


# *Automation solutions for textile plants.*





# Dosing systems



- Module with trilobe pump made of AISI-316 stainless steel for product suction and delivery.
- 3 kW motor with forced ventilation.
- 4 kW IP-55 frequency inverter.
- High-precision electromagnetic flow meter with programming and display control unit.

T-type ball valves (except one L-type) made of AISI-316 stainless steel DN-15. This valve is equipped with a double-acting pneumatic actuator and a 5/2-way spring-return solenoid valve for safety.

- Base made of AISI-316 stainless steel with methacrylate covers.
- Gate valve for the admission of each product.
- Gate valve for washing each end of the manifold.
- L-type gate valve to physically separate the manifold into two sections from which the pump draws.

Technical details	
Power supply	three-phase 380/440 VAC (± 10%) + ground 50/60 Hz.
Maximum power absorbed	4 Kw
Air supply pressure	minimum 7 bar - maximum 9 bar
Air consumption per minute	0.92 liters
Water supply pressure	minimum 7 bar - maximum 9 bar
Required flow capacity	5m <sup>3</sup> /hour.
Standard consumption	0.2 - 1m <sup>3</sup> /hour.
Maximum cold water supply temperature	5°C
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of valves and solenoid valves on tanks and field equipment	50°C
Monotube characteristics:	Ø inner: 20mm Ø outer: 23mm Pipe wall thickness: 1,5mm Type: AISI 316L Interior polishing: N8 or less roughness less than 3,2µ.

Applications
<ul style="list-style-type: none"> <li>• Discontinuous dyeing</li> <li>• Continuous dyeing, finishes and indigo</li> </ul>

Specifications
<ul style="list-style-type: none"> <li>• -Minimum dosage 100cc.</li> <li>• -Minimum dosage with supplement 10cc.</li> <li>• -Maximum dosage: no limit</li> <li>• -Maximum product viscosity: 1000 cPs**.</li> <li>• -Minimum product conductivity between 5 and 25 µS/cm</li> </ul>

# TecnoDos

## Perfect dosages,

## impeccable results



TecnoDos offers a dosing system for liquid chemicals and auxiliaries designed to provide an efficient and versatile solution to the specific needs of the industry. Its modular and adaptable design, combined with advanced technology, enables precise and controlled dosing, optimizing production processes and ensuring final product quality. The Atlantis controller plays a key role by facilitating accurate dosing management and control.

It allows easy configuration of parameters such as doses, times, and sequences. In addition, intelligent integration with EAS software or third-party systems simplifies communication between programs, machines, batches, and formulas. This enables the automatic delivery of products based on the specific needs of each process.

*Adaptable to the size of each dyeing facility.*



### Precise and efficient dosing

Allows minimizing waste and optimizing the use of chemicals and auxiliaries, ensuring controlled consumption.



### More productivity, fewer downtimes

Reduces downtime, speeds up processes, and increases production capacity.



### Consistent quality guaranteed

Ensures a uniform and high-quality final product thanks to precise dosing control.



### Reduction of costs and risks

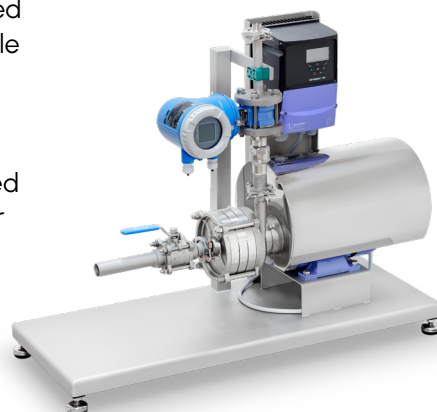
Decreases operating costs and improves safety by preventing spills and accidents with an automated system.

### Microdosing

This module has been designed to dose small amounts of product with precision, using a 0.33 HP servo-controlled industrial peristaltic pump, capable of dosing up to 200 cc. This system is conceived to ensure precise dosing of products in small quantities, guaranteeing uniform distribution throughout the production line.

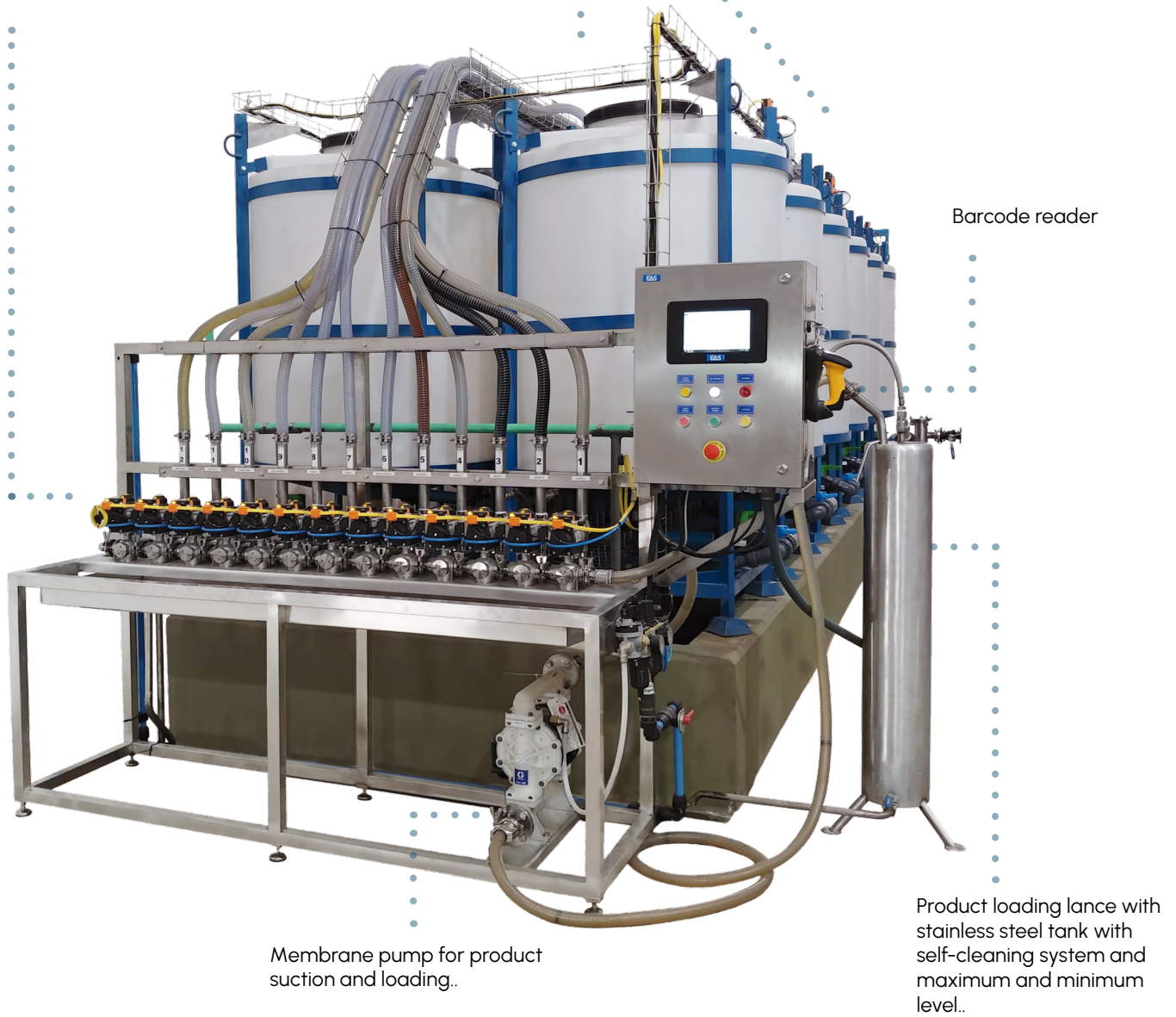
### Single product

This module has been designed for dosing dyes through a single line. The product is drawn by a centrifugal pump and sent directly to the machines. The amount of product is measured by a high-precision flow meter that ensures the delivery of the required quantity.



Product storage tanks

3-way valve DN25 complete in T-shape, with ASI activation and control system for each product and manifold flushing.



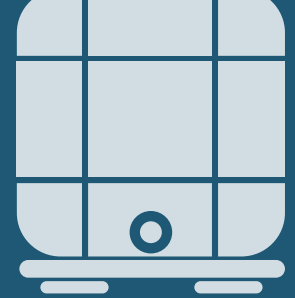
Barcode reader

Membrane pump for product suction and loading..

Product loading lance with stainless steel tank with self-cleaning system and maximum and minimum level..

Technical details	
Power supply	three-phase 380/440 Vac (± 10%) + ground 50/60 Hz.
Maximum power absorbed	450E a 380 III Vac
Air supply pressure	min. 7 bar - max. 9 bar
Water supply pressure	min 1.5 Bar - max 2.5 Bar.
Minimum flow rate required	5m <sup>3</sup> /hour
Standard water flow rate	from 0.2 to 1m <sup>3</sup> /hour
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of valves and solenoid valves on tanks and field equipment	50°C

# TecnoFill



## Automate the loading and storage of liquid chemicals

TecnoFill revolutionizes the management of liquid chemicals with its tank storage system that operates through an advanced level system. This solution offers immediate benefits by allowing a real-time overview of the level of each tank, ensuring efficient provisioning and optimizing storage and distribution logistics.



### Comprehensive loading automation

Minimizes waste and optimizes the use of chemicals and auxiliaries, ensuring controlled consumption.



### Dynamic stock management

Real-time inventory control enables precise management, preventing shortages or excesses.



### Automatic cleaning

The loading lance is automatically cleaned to prevent cross-contamination between products, ensuring quality.

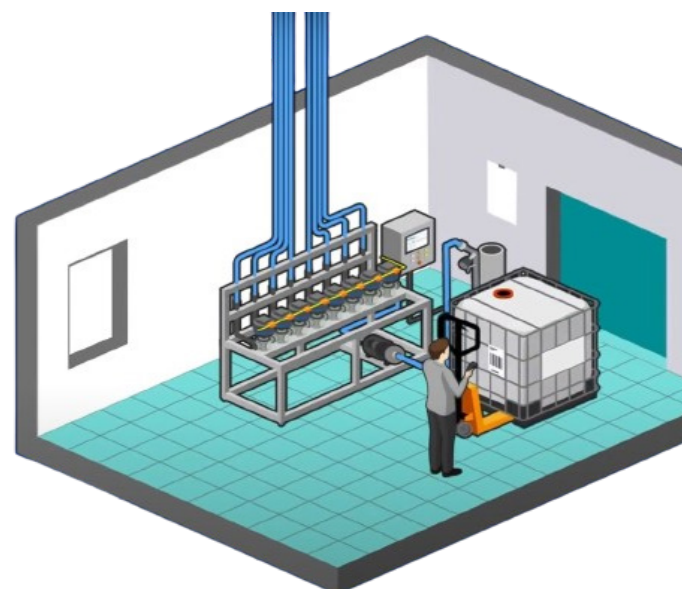


### Enhanced safety

Reduces manual handling of chemicals, improving safety and lowering risks for operators and the facility.

### Efficient chemical storage management

With its loading lance and valve manifold, TecnoFill transports liquid chemicals and auxiliaries to different storage tanks. Its analog level system allows real-time monitoring of each tank's level, enabling precise control of product inventory. After loading, TecnoFill automatically cleans its loading lance, making it ready for new products. This system simplifies inventory management and the supply of raw materials, optimizing control of the products used in dyeing and finishing processes. TecnoFill works seamlessly with TecnoDos in distributing the loaded products.



- DN-25 multistage centrifugal pump with meter nozzles.
- Inlet valve in hot and cold water tanks.
- PT-100 probe at the general inlet to control the temperature of the tanks.
- 3-way modulating valve on the first tank to regulate the hot/cold water mixture.
- Line valve (3-way) DN25 for flushing located at the pump outlet.

- AISI-304 stainless steel cabinet.
- Protective elements.
- Complete PLC group
- Power supply 24 Vdc.
- Acoustic and luminous alarm.
- AS-i master for control and communication with the AS-i valve modules.



### Especifications

- Number of dissolution tanks: 1 to 3 units.
- Tank capacity: from 250 to 750 liters.
- Number of machines to be defined

### Applications

- Discontinuous dyeing.
- Continuous dyeing, finishing and indigo.

- AISI-316L stainless steel tanks with internal mirror effect finish, equipped with safety cover.
- Stirrer with speed control by frequency inverter.
- Analog and safety probes
- AISI-316L stainless steel valves for filling, central shower and wall washing.
- AISI-316L stainless steel T-shaped ball valve at the tank outlet, with double acting pneumatic actuator and 5/2-way solenoid valve with safety return spring.

### Technical details

Power supply	three-phase 380/440 Vac (± 10%) + ground 50/60 Hz.
Maximum power absorbed	4 Kw + 0.75 Kw per tank
Air supply pressure	min 7 bar - max 9 bar
Water supply pressure	min 1.5 Bar - max 2.5 Bar.
Required flow capacity	150 liters/minute
Minimum water conductivity	25µS
Maximum water supply temperature	800°C
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of valves and solenoid valves on tanks and field equipment	50°C
Monotube characteristics:	Inner Ø: 20mm Outer Ø: 23mm Pipe wall thickness: 1.5mm Type: AISI 316L Interior polishing: N8 or less roughness less than 3.2µ.

# TecnoMix

## Simplifies the preparation and shipment of dyes



TecnoMix is a coloru kitchen specialized in the production of dyes for industrial dyeing machines, including jets, jiggers and autoclaves. It consists of 316L stainless steel tanks with an automatic opening lid with a mirror effect interior finish, facilitating fast and efficient washing. Its powerful agitator guarantees the preparation of precise and uniform mixtures.



### Adaptable to your production

TecnoMix provides a complete solution to improve your production capacity. It is adaptable and can be expanded with more tanks according to your changing requirements, allowing you to maintain an efficient and adaptable workflow. By simplifying dye preparation, TecnoMix maximizes productivity, freeing you from tedious tasks and allowing you to focus on driving your business to success.



#### Integrated barcode

Confirmation of work orders by barcodes, facilitating direct scanning from your scanning terminal.



#### Mirror effect finishing

The mirror effect interior finish of the tanks facilitates a quick and complete washing, minimizing the risk of cross contamination



#### Uniform and precise mixtures

Its powerful agitator guarantees the preparation of precise and uniform mixtures, ensuring the quality of the final dye.



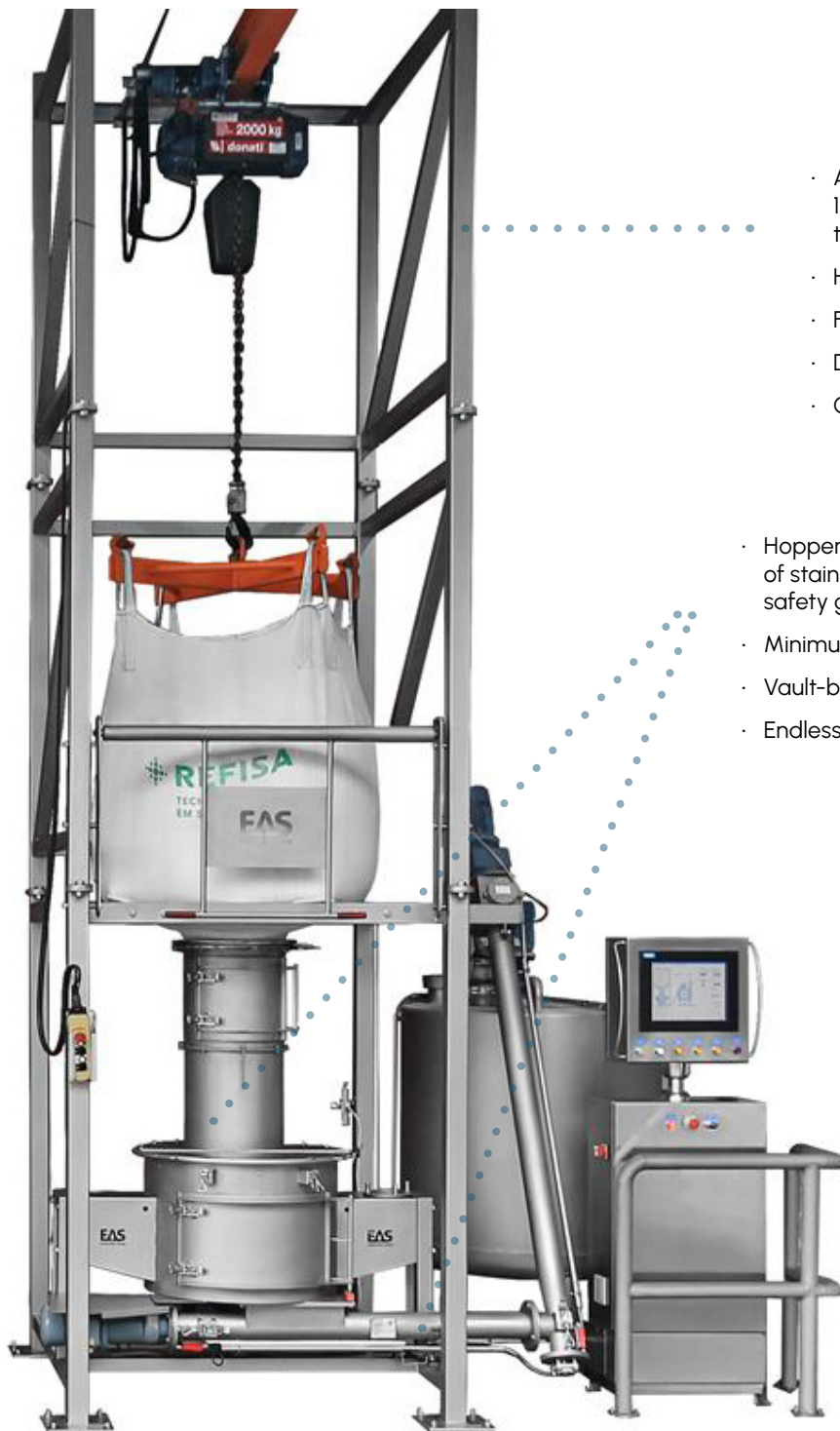
#### Enhanced safety

Reduces manual handling of chemicals, improving safety and lowering risks for operators and the facility.

### Advanced security system

In addition, it ensures uniformity and accuracy at all stages of production. Through its barcode validation system, it automates dye weighing and optimizes recipe development, avoiding human error and ensuring uninterrupted production. Its focus on safety, with a lid that features a delayed opening system, creates a safe working environment for all the equipment involved in the process, giving you the peace of mind of knowing that you are protecting both your personnel and your investment.





- AISI-316L stainless steel support frame of 1500x1500mm to support the lower part of the big-bag.
- Hook for hanging the big-bag.
- Fall protection beam.
- Diaphragm valve made of AISI-316L.
- Crane load up to 2000 Kg.

- Hopper with a capacity of 200 liters made of stainless steel AISI 316L, with shelf and safety grid.
- Minimum level detector.
- Vault-breaking distributor.
- Endless Screw Dosager.

- Cabinet built in stainless steel AISI-304
- Protection elements.
- Complete PLC group.
- Power supply 24V dc
- Acoustic and luminous alarm

Technical details	
Power supply	three-phase 380/440 Vac (± 10%) + ground 50/60 Hz.
Maximum power absorbed	8 Kw
Air supply pressure	min 1.5 bar - max 9 bar
Water supply pressure	min 1.5 Bar - max 2.5 Bar.
Minimum flow rate required	150 liters/minute
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of the workplace	45°C
Maximum ambient temperature of valves and solenoid valves on tanks and field equipment	50°C

Specifications
·Number of dissolving tanks: 1 to 3 units.
·Tank capacity: from 250 to 750 liters.
·Number of machines to be defined.

Applications
· Discontinuous dyeing.
· Continuous dyeing, finishing, and indigo.

# TecnoSal



## Stable dissolutions that last for week

Discover TecnoSal's state-of-the-art technology for the preparation of brine solutions and other powdered products on a large scale. Its complete structure offers a series of features designed to simplify and optimize the preparation process, ensuring maximum efficiency, safety and quality in production.

### A great machine that operates with simplicity

With an intuitive control panel, the user can precisely control the entire preparation process. Automatic weighing technology ensures accurate dosing of the ingredients, while a high-powered stirrer ensures uniform and stable dilutions that can be stored for weeks without the risk of precipitation. In addition, a product level sensor automatically triggers the preparation of a new solution when the brine level drops, ensuring an uninterrupted supply for production. Together, these features provide a safe, efficient and ergonomic working environment, improving both the quality of work and the health of operators.



Our product offers a comprehensive solution for dissolution preparation, featuring an integrated crane that simplifies the loading of big bags, reducing physical effort and improving work ergonomics. In addition, a large capacity hopper stores up to 200 liters of product and uses an automatic conveying system that directs the salt to the dilution tank without the need for manual handling, optimizing efficiency and eliminating potential risks.



#### Save time in preparation

Reduces significantly the time spent preparing brine and powder solutions.



#### Workplace ergonomics optimization

Improves staff efficiency and ergonomic conditions in the workplace.



#### Eliminates salt residues

Prevents salt waste, ensuring full use of the product.



#### Full control and traceability

Enables precise tracking of stock and completed preparations.



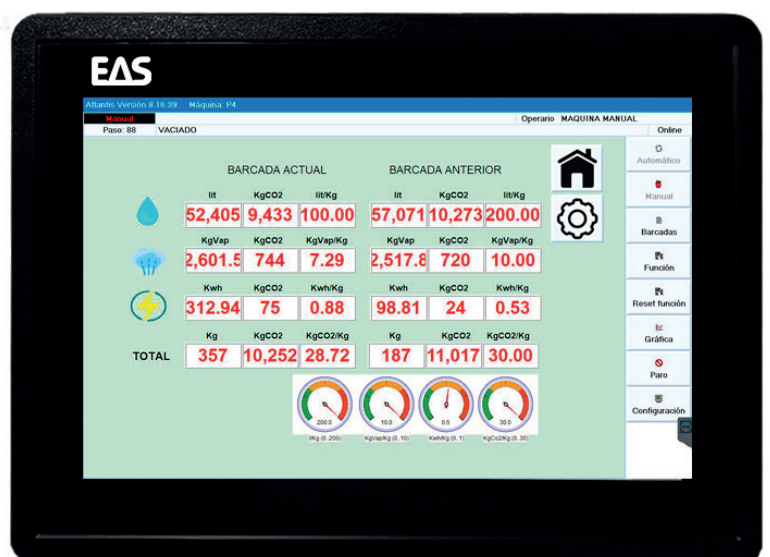


# Hardware



## All consumption data at a glance

Atlantis controllers feature a consumption display that allows you to track in real time the liters of water, kilograms of steam and kilowatt-hours, among other parameters, for the current batch and compare it with the previous batch. A valuable tool that allows you to monitor the resources consumed by your machines, ensuring that your processes are more efficient and sustainable.



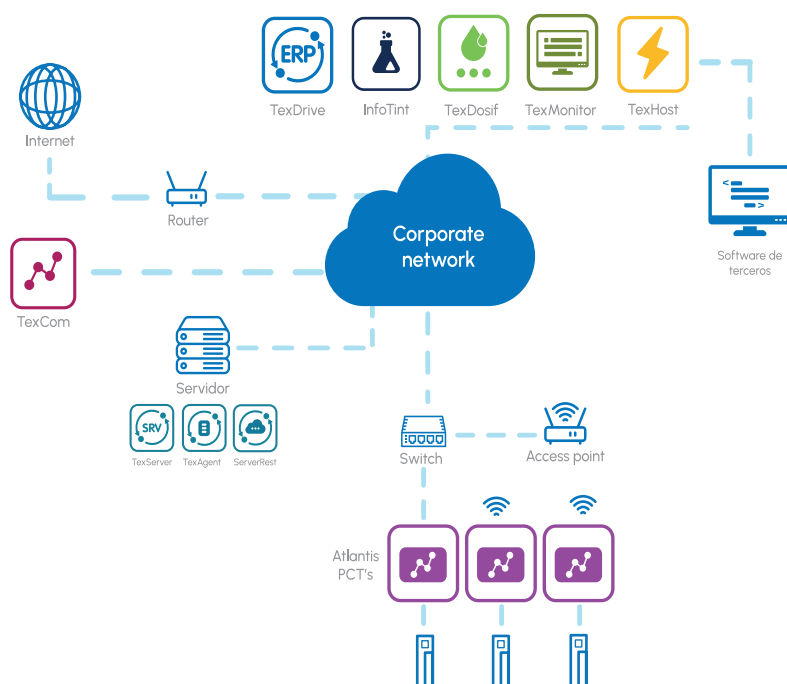


# Atlantis

## A new HMI experience that redefines efficiency

Discover how Atlantis controllers are revolutionizing the textile world. They are the ultimate solution to improve the performance of your machines. These innovative devices stand out for their exceptional efficiency and compact design, ideal for easy integration into any production environment.

With Atlantis, each dyeing cycle is meticulously coordinated, optimizing efficiency in processing a wide variety of fabrics and guaranteeing perfect results at every stage. In addition, they are compatible with the main dyeing machines on the market and can be fully customized to suit your company's specific needs, ensuring seamless integration with your production system.



### Plug & Play system, easy to replace

Allows product replacement in minutes thanks to its external PLC system, and enables switching between machines or replacing it.



### Visualize efficiency

Real-time consumption efficiency screen that helps you monitor the energy used in production.



### Real-time data

Production data is obtained in real time and stored for 72 hours. When connected to a MES system, the data is retained without time limits.



### Easy integration

Easy integration thanks to its compatibility with most machines and systems on the market.



Atlantis PCT-320

Atlantis PCT-315

Atlantis PCT-310

Technical features	PCT-310/315/320
Screen size	10,2" / 15,9" / 21,5"
Touch screen and color display	Yes
Operating system	Windows 10 IoT
Communication with PLC	Ethernet
Hard disk	SSD 64 Gb
RAM memory	4 Gb
USB ports	2
Serial ports	1
Ethernet	2
Wi-Fi	Yes
Built-in UPS	Yes
Type of installation	Panel
Consumption	1A

# Series 300



## Top-tier performance regardless of size

The Atlantis automation systems from EAS combine advanced technology with user-friendly operation in a robust and efficient solution. They consist of two main components: an intuitive touchscreen Human-Machine Interface (HMI) and a powerful Programmable Logic Controller (PLC) that automates every phase of the dyeing process.

The Atlantis PCT310 and PCT315 models are compatible with most dyeing machines on the market, enabling full dyeing cycles and real-time data collection for complete production control.

Thanks to their flexible architecture, synoptics and functions can be fully customized to meet the specific needs of each plant. They can handle up to 12 background tasks simultaneously, maximizing operational efficiency and minimizing downtime.

For seamless management, Atlantis controllers integrate natively with the InfoTint MES system or other third-party systems, ensuring smooth and uninterrupted communication.



*>> Connects with most  
manufacturers on the market*



### Complete consumption control

Monitor real-time usage of water, steam, and energy batch by batch, enabling comparisons and efficiency improvements.



### Intuitive and customizable interface

Adjustable HD widescreen with customizable synoptics tailored to each process and operator.



### Guaranteed compatibility

Easily integrates with existing machines and systems thanks to its open architecture and advanced connectivity.



### Precise process automation

Ensures accurate dosing, minimizing human error and improving repeatability in every production.



Technical features	PCT-300 stand alone
Screen size	8"
Touch screen and color display	Yes
Operating system	Windows 10 IoT
Communication with the PLC	Ethernet
Hard disk	32 Gb
RAM memory	2 Gb
USB ports	2
Serial ports	1
Ethernet	2
Wi-Fi	Yes
Built in UPS	Yes
Type of installation	Support

Series 300  
stand alone



# The best partner for weaving, production control, and printing

The PCT-300 Stand Alone is more than just a controller — it's a complete solution designed to optimize every stage of weaving, printing, and finishing processes in the textile industry. With its versatile design and easy integration, it seamlessly fits into your existing production environment, boosting efficiency without the need for major infrastructure changes.

This smart system was developed with flexibility and scalability in mind — two key factors in an ever-evolving industry. Its ability to adapt to different setups and its compatibility with a wide range of machines make it the ideal choice for both small dyehouses and large-scale production plants.

Moreover, the PCT-300 complies with major international certifications, ensuring safe, reliable performance aligned with the highest market standards. Whether you're looking to automate a specific line or modernize your entire operation, the PCT-300 Stand Alone gives you a robust platform that's ready for the future.

Increase productivity, reduce errors, and take full control of your processes with a solution built to meet today's and tomorrow's challenges.

*>> Easy to install and ready  
to integrate*



## More productivity, no hassle

Speed up data entry with barcode readers and eliminate manual errors. Everything flows faster from the very first operation.



## Installation with no limits

Thanks to built-in Wi-Fi and an adaptable design, forget about complex wiring: install it wherever you need and start working in minutes.



## One system, multiple processes

Precisely control different types of machines — weaving, finishing, printing, certifications — with customizable synoptics tailored to your reality..



## Ready to grow with you

Robust, reliable, and compatible with modern systems. The PCT-300 not only enhances your production today but evolves with your technology tomorrow.

>> Streamline warehouse parts stock control by simplifying inventory management.



Reiniciar	Todas	Nenhuma	Salir
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TERM1/

OS

Cliente

Artículo

Color

Pieza

Nota	Kg	Nº	Kg	Nº
3783	362,00	18	37,06	2

Nota	Peça	Kg	Mt.T.
3783	21040994	20,72	0,00
3783	21040995	23,22	0,00
3783	21040996	20,12	0,00
3783	21040997	19,28	0,00
3783	21040998	17,78	0,00
3783	21040999	20,50	0,00
3783	21041000	20,32	0,00
3783	21041001	20,96	0,00

Nota	Pieza	Kg	Mt.T.
3783	21040994	20,72	0,00
3783	21040995	23,22	0,00
3783	21040996	20,12	0,00
3783	21040997	19,28	0,00
3783	21040998	17,78	0,00
3783	21041000	20,50	0,00
3783	21041001	20,32	0,00
3783	21041002	20,96	0,00



### Real-time total inventory control

Scan barcodes to track stock in and out with precision, eliminating manual errors and keeping your data always up to date



### Smart integration with TexDrive

A sincronização automática com o ERP TexDrive permite acesso às informações de estoque de qualquer lugar, a qualquer hora.



### Save time and boost efficiency

Automatic syncing with TexDrive ERP lets you access inventory information from anywhere, at any time.



### Smarter decision-making

With real-time, reliable data, you can anticipate demand, optimize orders, and improve business planning.

# PDA-100



## Complete inventory control in the palm of your hand

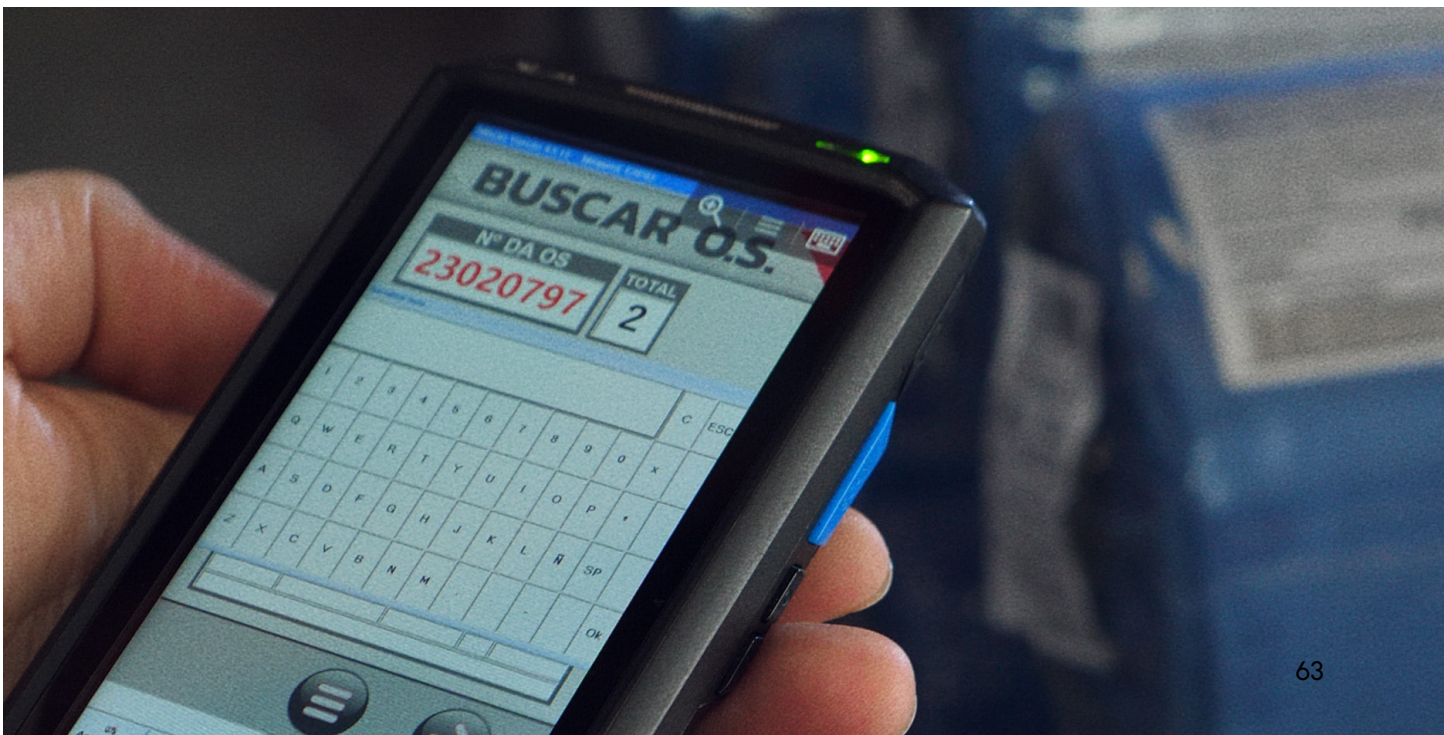
The PDA-100 is far more than just a barcode scanner — it's a smart, powerful tool designed to completely transform inventory management in your warehouse. Built for demanding industrial environments, this portable solution enables accurate, automated stock control, reducing time, errors, and operational costs.

With its integrated barcode scanning system, the PDA-100 provides real-time, precise tracking of all incoming and outgoing items. Say goodbye to manual records and outdated spreadsheets — every operation is digitized for maximum efficiency, agility, and accuracy.

One of its standout features is seamless integration with TexDrive, the ERP system tailored for the textile industry. This connection ensures instant and automatic data synchronization, giving you real-time access to updated inventory information anytime, anywhere. It empowers better planning, avoids stockouts, and supports smarter strategic decisions.

Its compact, durable design also makes it the ideal companion for warehouse and logistics staff, offering total mobility across your facility without technical hassles or delays.

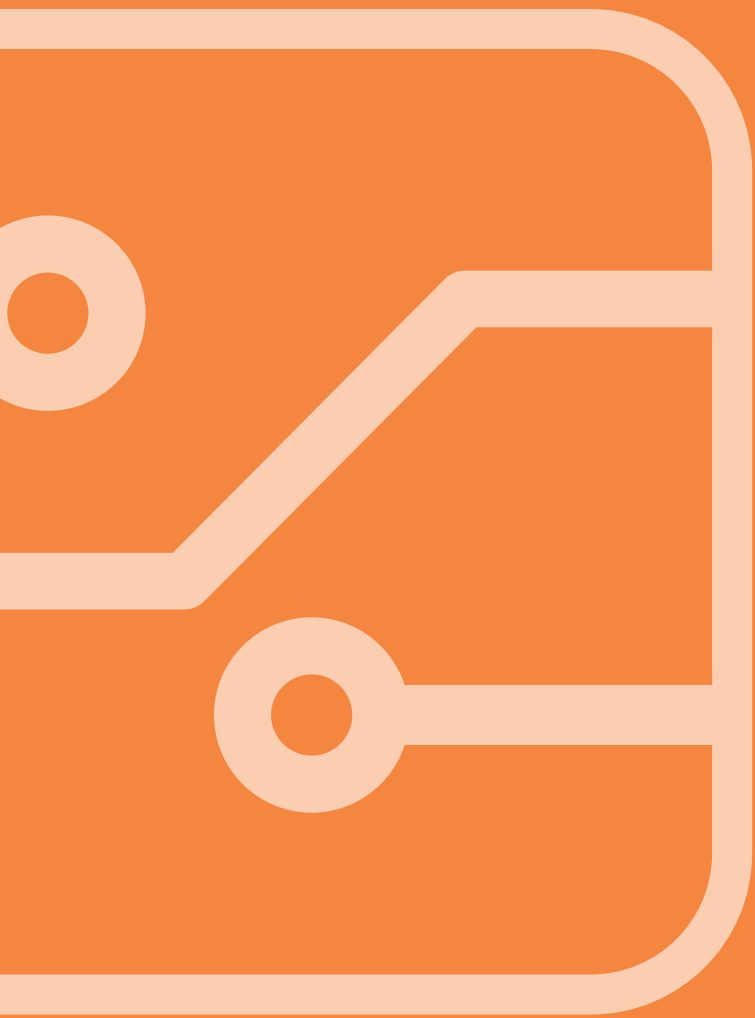
In short, the PDA-100 enhances material traceability and gives you complete, modern, and efficient control of your inventory — a smart investment for companies that value competitiveness, productivity, and peace of mind.







**Spare parts,  
valves, &  
accessories**



Automation components for the  
textile industry.

# Accessories

>> Download the datasheets on our website



## RL Level transmitter.

Allows for the conversion of the level measurement made with the GSH reed sensor and a magnetic float into an analog signal in 4-20 mA current or 0-10Vdc voltage. The result of the signal is directly proportional to the distance between the minimum and maximum point of level, set in the configuration.

Power supply: 24Vdc/dc  
Output: 1 contacto SPDT



## BL Level transmitter for probe

The BL transmitter is connected to a bubbler probe. The pressure variation in the tube, depending on the liquid level, is converted into a standard 4-20 mA or 0-10 V electrical signal (configurable). The unit incorporates two contacts for 2 level control points.

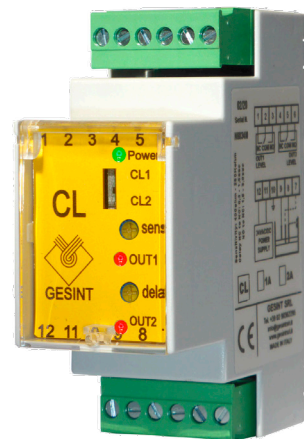
Power supply: 24 Vac/dc  
BL-1: 0-1000 mm H2O  
BL-2: 0-5000 mm H2O



## CLS Level switch with safety

Single point control with fault/break alarm in the electrical control circuit.

Power: 24Vdc/dc Power consumption: 2 VA/1.8 max  
Output: 2 SPDT contacts  
Dimensions: 90 (H) x 35 (W) x 60 (D)  
Mounting: 35 mm DIN guide.



## CL Level switch.

Level control relay by conduction, configurable as follows:  
Independent two-point control.  
Single point control or double control with level regulator for pump or valve control.

Power supply: 24 Vac/dc Power consumption: 2 VA/1.8W max  
Output: 2 SPDT contacts  
Dimensions: 90 (H) x 35 (W) x 60 (D)  
Mounting: 35 mm DIN guide.

## BLT Bubble level transmitter

The BLT transmitter is connected to a bubbler probe. The pressure variation in the tube, as a function of the liquid level, is converted into a standard 4-20 mA electrical signal.

Power supply: 10-130 Vdc  
BLT-1: 0-1000 mm H2O  
BLT-2: 0-2500 mm H2O  
BLT-3: 0-5000 mm H2O



## IM-01 Level switch by float

The permanent magnet inside the float causes the activation of a reed contact during its movement. The output signal, ON/OFF type, can be used, for example, for maximum/minimum level control, pump activation, valve opening/closing.

Max. working pressure: 10 bar Max. working temperature: 150°C. Degree of protection: IP67.





## APS Steel probe.

The probe consists of a Ø16mm stainless steel tube open at the lower end and has two pneumatic connections at the top, one for the connection of the BL transmitter and one for the air inlet regulator on the tube. Depending on the liquid level, the outlet air pressure will vary and will be used by the transmitter to indicate the corresponding level.



## GSH Reed level probe

GSH is a level probe consisting of a sequence of resistors in series. The passage of the magnetic float next to the reed contacts determines its operation and, consequently, the variation of the signal.

Power supply: 10 Vdc 3 mA MAX  
Analog output: 0-10 Vdc Maximum working temperature: 95°C Degree of Protection: IP65 Standard resolution: 14mm

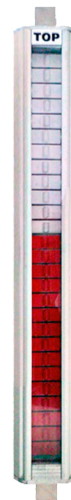


## SLR/SLF Level probe with electrode

Connection: 1/2", 3/8", 1/4" GAS  
Compression seal: AISI 316

-Adjustable probe –  
Maximum temperature: 98°C.  
Maximum pressure: 0.4 bar

-Fixed probe-  
Maximum temperature: 160°C.  
Maximum pressure: 8 bar



## BRF-A Level indicator

The magnetic indicator is connected externally to the tube through which the float circulates. This transmits the position to the indicator, making the bicolor cylinders (red and white) rotate, without risk of breakage, allowing a clear visualization of the level, even at a distance. Waterproof scale made of specially treated aluminum. Fixing by means of clamps. Maximum temperature: 150°C.



## BMS-1 Magnetic level contact

Bistable magnetic contact (remains in position until there is a new pass of the magnetic field), adjustable at any point of the indicator by means of a clamp. Ideal for the control of pumps, solenoid valves or for signaling the maximum and minimum level. Maximum load: 110 Vac/dc - 80 VA. Maximum temperature: -40 / 150°C. Dimensions: 88 x 25 x 13 mm.



## SCHI-M Boya magnética

Boya magnética toroidal construida en acero inoxidable AISI 316. Máxima seguridad de trabajo en fluidos con presión o temperaturas elevadas. Gracias a su principio de funcionamiento, los cambios en el peso específico del fluido afectan mínimamente la precisión de lectura. Dimensión: 150x52 mm de diámetro (otros disponibles). Temperatura y presión máximas: 150°C, 10 bar.



## K85 Digital controller. with 3 relay outputs.

Inputs: J/K/S thermocouple, PT100, PTC, 0-10 V, 4-20 mA  
Output: 3 relays or voltage for SSR drive  
Adjustment: On-Off, PID and programmable neutral zone  
Power supply: 24 Vac/dc  
Dimensions: 4 DIN modules, 70 x 84 mm, Dep. 60 mm  
Mounting: 35 mm DIN rail.

## K39 Digital controller with dual display

Dual display for process temperature and set point  
Inputs: J/K/S thermocouple, PT100, PTC, 0-10V, 4-20mA  
Output: 2 relays or voltage for SSR activation  
Setting: On-Off, PID and programmable neutral zone  
Power supply: 24 Vac/dc  
Dimensions: 33 x 75 mm, depth 64 mm  
Mounting: On the panel



## PT-100 Probes

Sonda PT-100 con sensor clase A IEC751  
Simple o doble  
Con cabeza o cable de silicona.  
Tolerancia  $\pm 0.15^{\circ}\text{C}$  a  $0^{\circ}\text{C}$ ;  $\pm 0.35^{\circ}\text{C}$  a  $100^{\circ}\text{C}$ .  
Temperatura máxima  $160^{\circ}\text{C}$ .  
Presión máxima de trabajo: 8 Bar.  
Material de construcción: INOX 316L.  
Grado de protección: IP65.  
Para tamaños, roscas, longitudes, diámetros, consultar.



## TLV Digital display

Inputs: J/K/S, PT100, PTC, NTC, mV, 0-1 V, 0-10 V, 4-20 mA  
Display: 4 digits with decimal point.  
Output: 2 relays or voltage for SSR actuation.  
Power supply: 24Vac/dc  
Dimensions: 33 x 75 mm, depth 64 mm  
Mounting: On panel

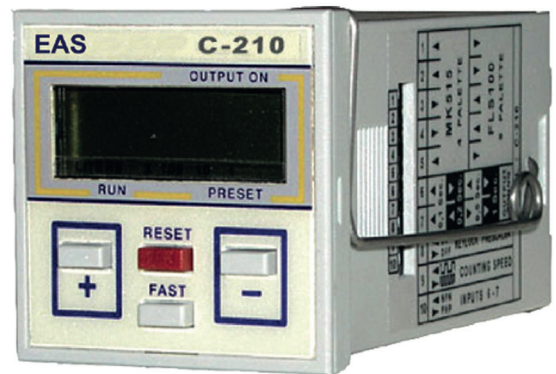


# Flow measurement



## FLS-100 Flow sensor

The FLS-100 flow sensor has a rotor with five vanes, each of which contains a permanent magnet that generates an impulse each time it passes through the sensor, creating a variable signal depending on the speed of rotation.  
Power supply: 5-24 Vdc  
Consumption: 12-30 mA  
Material/T\*max: PVDF -  $120^{\circ}\text{C}$ .  
Material/T\*max: PVC-C -  $80^{\circ}\text{C}$ .



## C-210 Meter controller

The C-210 pre-selector is a pulse counter that, combined with a sensor with pulse output type FLS-100 or George Fisher, allows to control the quantity of product flowing through a pipeline.

Power supply: 24 Vac  
Output 1: End of counting (SPDT contact)  
Output 2: Counting (1 NO contact)  
Pulse duration: Programmable 0.1, 0.2, 0.5 and 1 sec.

## 150-S Insert for flow sensor.

AISI316 stainless steel insert for FLS100 flow sensor with rotor for flow measurement.  
External diameter of 34 mm for welding in a pipe from DN40 to DN200.





## E-IBC / E-IBC-E Teflon magnets

E-IBC: Teflon-coated magnet. Dimensions: length 40 mm and Ø 8 mm.  
E-IBC-E: Teflon-coated magnet with higher magnetic field. Dimensions: length 60 mm and Ø 10 mm.



## BDC Coil for seam detector

Coil complete with screw, nut and washer for installation, as well as connector for connection to our CT2R seamless search amplifiers

## CT2R Seam seeker amplifier

The CT-2R is an instrument that, combined with a coil, detects the passage of a magnet, generating an impulse with a duration of 1 to 3 seconds (adjustable). It is equipped with an adjustable trimmer to amplify the signal.

Power supply: 24 Vac/dc  
Output: 2 SPDT contacts  
Working temperature: -20°C to 60°C.



## CT-N Magnet passage detector

Detects magnets close to its front surface. A magnet is fixed on the fabric in the machine, it is used to identify stitching points or measure the speed of fabric displacement. Magnet detection activates an output relay, with 5 levels of sensitivity.



# Water soluble bags

They are ideal for weighing and storing dyes efficiently, to be used later in the preparation of future dyes. In addition, their use contributes to improve comfort at work, protecting the operator from exposure to chemicals in the work environment. They dissolve easily in water without leaving residues or affecting the chemical composition. We offer different sizes of bags available and we can also manufacture them according to the specific needs of each customer.



# Converters



## ECT-80 Electricity consumption meter. 0-10V converters

The current transmitter converts AC signals into standard electrical signals, with advantages such as high accuracy, compact size, low power consumption and anti-interference capability. It is ideal for applications in motors and intelligent low-voltage monitoring systems, such as power distribution cabinets and PLC automation.

## LT-A Electrical impulse generator

Generador de impulsos de 2 contactos ajustables con entrada en corriente 4-20 mA o voltaje 0-10 V. Puede ser conectado a cualquier instrumento con salida analógica en corriente o voltaje

Power supply: 24 Vac/dc.  
Power consumption: 2 VA / 1.8 W max.  
Output: 2 SPDT contacts.  
Dimensions: 90 (H) x 35 (W) x 60 (D).  
Mounting: 35 mm DIN guide.



## PC-13 Electropneumatic converter

The PC13 is a panel-mounted electropneumatic converter that receives a 4 to 20 mA input signal and generates a standard pneumatic signal. It is used as a connection unit between control electronics and a linear pneumatic actuator.

Protection: IP20.  
Working temperature: -20°C to +70°C.  
Air supply: 1.7 Bar.





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# Valves



## SBS 2-way proportional valve

2-way unidirectional proportional valve. Multi-way pneumatic actuator with membrane springs. Different control pressures (3-15 psi, 6-18 psi, 6-30 psi, others: Consult). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DNI50. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## SBS 3-way proportional valve

Proportional 3-way unidirectional valve. Multi-spring pneumatic actuator with diaphragm. Different control pressures (3-15 psi, 6-18 psi, 6-30 psi, others: Consult). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DNI50. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## GRS 2 way On/Off valve

2-way one-way on/off valve. Pneumatic actuator. Different control pressures (2-4-6 bar). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DNI50. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## GRS 3-Way On/Off Valve

Proportional 3-way unidirectional valve. Multi-spring pneumatic actuator with diaphragm. Different control pressures (3-15 psi, 6-18 psi, 6-30 psi, others: Check). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DNI50. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## GRS/P 2 way On/Off valve

2-way one-way on/off valve. Pneumatic actuator. Different control pressures (2-4-6 bar). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DN80. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## GRS/P 3-Way On/Off Valve

3-way one-way on/off valve. Pneumatic actuator. Different control pressures (2-4-6 bar). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DN80. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## IVFL 2-Way On/Off Valve

Allows for the level measurement made with the GSH reed sensor and a magnetic float into an analog signal in 4-20 mA current or 0-10Vdc voltage. The result of the signal is directly proportional to the distance between the minimum and maximum point of level, set in the configuration made. Power supply: 24Vdc/dc. Relay output: 1 SPDT contact.



## IVFL/P 3-Way On/Off Valve

3-way one-way on/off valve. Pneumatic actuator. Different control pressures (2-4-6 bar). Versions with different body materials to adapt to the needs of each installation. DN: from DNI5 to DN80. Maximum allowable pressure: PN16 or PN40 depending on the model. Flanged connection. Maximum temperature: 200°C. Minimum temperature: -10°C in liquid phase.



## IVS 2-Way On/Off Valve

2-way on-off valve in stainless steel with right angle body (90°). Pneumatic actuator. Control pressure: 6-8 bar. DN: from DN8 to DNI50. Maximum allowable pressure: PN6 to PN40 depending on DN. Connection for welding, with 1 or 2 flanges. Maximum temperature: 150°C with EPDM gasket, 155°C with PTFE-coated EPDM gasket, 200°C with PTFE gasket. Minimum temperature: -10°C in liquid phase.



## IVS/P 2-Way On/Off Valve

Stainless steel 2-way on/off valve with right angle (90°) body. Pneumatic actuator. Control pressure: 6-8 bar. DN: from DN8 to DNI50. Maximum allowable pressure: PN6 to PN40 depending on DN. Connection for welding, with 1 or 2 flanges. Maximum temperature: 150°C with EPDM gasket, 155°C with PTFE-coated EPDM gasket, 200°C with PTFE gasket. Minimum temperature: -10°C in liquid phase.



## FFF 2-Way On/Off Valve

2-way on/off valve in stainless steel with inclined body. Pneumatic actuator. Control pressure: 6-8 bar. DN: from DN8 to DN150. Maximum allowable pressure: PN6 to PN40 depending on DN. Connection for soldering or GAS female thread. Maximum temperature: 150°C with EPDM gasket, 155°C with PTFE-lined EPDM gasket, 200°C with PTFE gasket. Minimum temperature: -10°C in liquid phase.



## FFF/P 2-Way On/Off Valve

2-way on/off valve in stainless steel with inclined body. Pneumatic actuator. Control pressure: 6-8 bar. DN: from DN8 to DN150. Maximum allowable pressure: PN6 to PN40 depending on DN. Connection for soldering or GAS female thread. Maximum temperature: 150°C with EPDM gasket, 155°C with PTFE-lined EPDM gasket, 200°C with PTFE gasket. Minimum temperature: -10°C in liquid phase.



## SPO Butterfly pneumatic valve

Bidirectional wafer butterfly valve with pneumatic actuator. Actuator supply pressure: 8 bar. DN: from DN40 to DN300. Maximum allowable pressure: PN2.5 to PN10 depending on DN. Cast iron body GJL250. Stainless steel disc CF8M/1.4408 PTFE gasket. Wafer connection PN 10 - PN 16 - ANSI150. Max. temperature: 120°C. Minimum temperature: -20°C.



## SPO/M Manual butterfly valve

Bidirectional wafer type butterfly valve with manual operation. DN: from DN40 to DN300. Maximum allowable pressure: PN2.5 to PN10 depending on DN. Cast iron body GJL250. Stainless steel disc CF8M/1.4408 PTFE gasket. Wafer connection PN 10 - PN 16 - ANSI150. Max. temperature: 120°C. Minimum temperature: -20°C.



## SPO 3-Way Pneumatic Ball Valve

Stainless steel 3-way ball valve with pneumatic actuator (double acting or spring return). DN: from 3/8" to 1 1/4". Maximum allowable pressure: 40 bar. Female thread connection or with clamps for quick disassembly. Maximum temperature: 140°C. Minimum temperature: -10°C in liquid phase. 316 stainless steel body and CF8M/1.4408. PTFE and FPM seals. T or L-shaped dial. Versions: standard, with wrap-around seal, with "T" shaped dial. o con esfera en forma de "L".



## ITAL Pneumatic actuator

Pneumatic rotary actuator made of anodized aluminum, adapted for use in outdoor environments. Available in double and single drive (spring return) with possibility of rotation angle adjustment. Maximum temperature: 80°C (standard version) Minimum temperature: -20°C (standard version) Supply pressure: 2-8 bar (double-acting), 3-8 bar (single-acting) Maximum supply pressure: 10 bar Feed fluid: filtered air, lubricated or unlubricated. Connection: Square, conforms to ISO 5211/DIN 3337/VDI VDE 3845 Namur Versions: standard, with wrap-around seal, with T-shaped sphere or with L-shaped sphere Original spare

## Original spare parts and kits



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