

Welding Tracking Software

Get the best out of your data

Illustrated Presentation





TABLE OF CONTENTS

01.

PROBLEMS ENCOUNTERED

Description of the current challenges in the industrial world: production management and process tracking.

Highlighting gaps in existing systems and missed opportunities.

02.

THE SOLUTION: DATAMARK 5.0

Presentation of the platform as an ecosystem of integrated solutions.

Highlighting of the key features: artificial Intelligence, IOT and Tracking.

03.

DETAILS OF THE FORMS

IOT and Advanced Production Management with Datamark.

Check machine values, track production costs and extract quality reports.

04.

COMPETITIVE ADVANTAGES

What makes our platform unique.

The importance of access APIs for integration with other systems.



01. FACED CHALLENGES

The difficulties in the Industrial World

PROBLEMS ENCOUNTERED

In today's dynamic industrial world, companies face a series of increasingly complex challenges.



GENERAL PRODUCTION MANAGEMENT

It requires continuous optimization in order to maintain competitiveness, but often existing solutions are fragmented and do not offer a complete vision.



GENERAL ASSISTANCE FOR CLIENTS

Fundamental pillar for satisfaction and loyalty, it clashes with the need to respond in real time to the increasingly specific and varied needs of customers.



GENERAL MANAGEMENT COSTS

Although it is a valuable resource, it is often limited by the lack of integrated technologies that allow for complete, advanced and real-time control.

These challenges, if not addressed with the right solutions, can result in missed opportunities, operational inefficiencies and high costs. And while the market offers different solutions for each of these challenges, there is often a lack of an integrated system that unites them all, and thus creates a cohesive and optimized working environment.

02.

THE SOLUTION

 DATAMARK
IOT 5.0

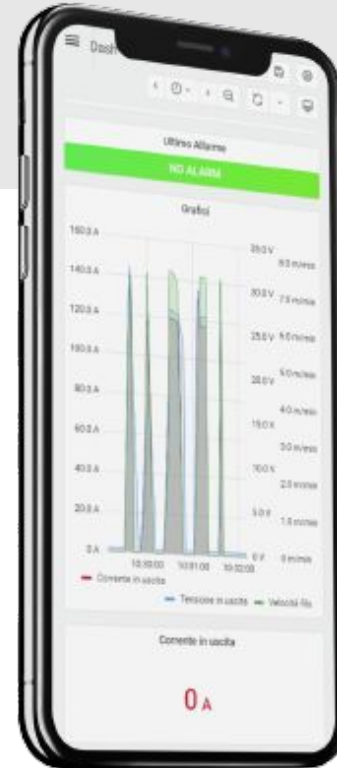


DATAMARK

In the contemporary technological landscape, where digitalization and automation are redefining the boundaries of possibilities, comes **DATAMARK**, conceived as a real ecosystem of advanced solutions.

Imagine full control over your machining process, tracking every single operation in real time and extracting detailed data on the efficiency of your machines, obtaining fundamental statistics.

This is exactly what DATAMARK offers you.



CAD /



03.
IN DETAIL

A large white rectangular frame with a thick border is centered on the slide. Inside the frame, the background is a light grey gradient. In the upper right corner of the frame, the text "03." is written in a large, bold, blue font. Below it, the text "IN DETAIL" is written in a smaller, bold, blue font. Above the "03." text, there are several short, white, diagonal lines. At the bottom of the frame, a thin white horizontal line spans across the width, with a small white chevron symbol pointing left at the far left end.

IN DETAIL

IOT AND PRODUCTION MANAGEMENT

A module that transforms the production department into an intelligent and interconnected environment:

Complete control: real-time monitoring of the production department, ensuring efficiency and reactivity.

Cost Analysis: a detailed overview of the costs associated with the management of the structure, machines and production.

Retrofitting: the ability to update and improve existing machines according to specific production needs.

Artificial Intelligence: automatic configuration of the various modules, predictive analysis and custom dashboard generation for optimal monitoring.



IOT AND PRODUCTION MANAGEMENT

TAKE A LOOK AT OUR DASHBOARD



CONSTANT CONTROL

Monitoring machine performance in real time to reduce downtime and maximize production efficiency, all in a single Dashboard.



SMART SENSORS

We use smart sensors to detect the use of the machine and automatically signal its malfunctions with immediate notification.



ADVANCED DASHBOARD

All the data collected are available in real time within our dashboard, to ensure complete control of data and health of the machine.



COSTS MONITORING

Monitoring of production costs integrated with each single machine. Charge costs of raw materials and human resources and get full cost statistics.



INTEGRATION

Our IOT 4.0 and AI solutions are designed to integrate with corporate management and to adapt to the needs of our customers. We also connect old machinery.



ALARMS DETECTION

Constant performance monitoring and timely detection of alarms and problems reduce machine downtime and maximize efficiency.

REAL-TIME MONITORING

TAKE A LOOK AT OUR DASHBOARD



INCREASE IN EFFICIENCY AND QUALITY

Datamark offers a complete and detailed control of the machine's performance to ensure a maximum level of efficiency and production quality.

FULL CUSTOMIZABLE DASHBOARD

Data, priorities, statistics and layouts are fully customizable according to the needs of the customer and can only be consulted on the basis of specific permissions.

SPECIALISED TECHNICAL SUPPORT

We offer technical support and personalized assistance to solve any problems encountered in a timely manner and maximize the potential of our technologies.

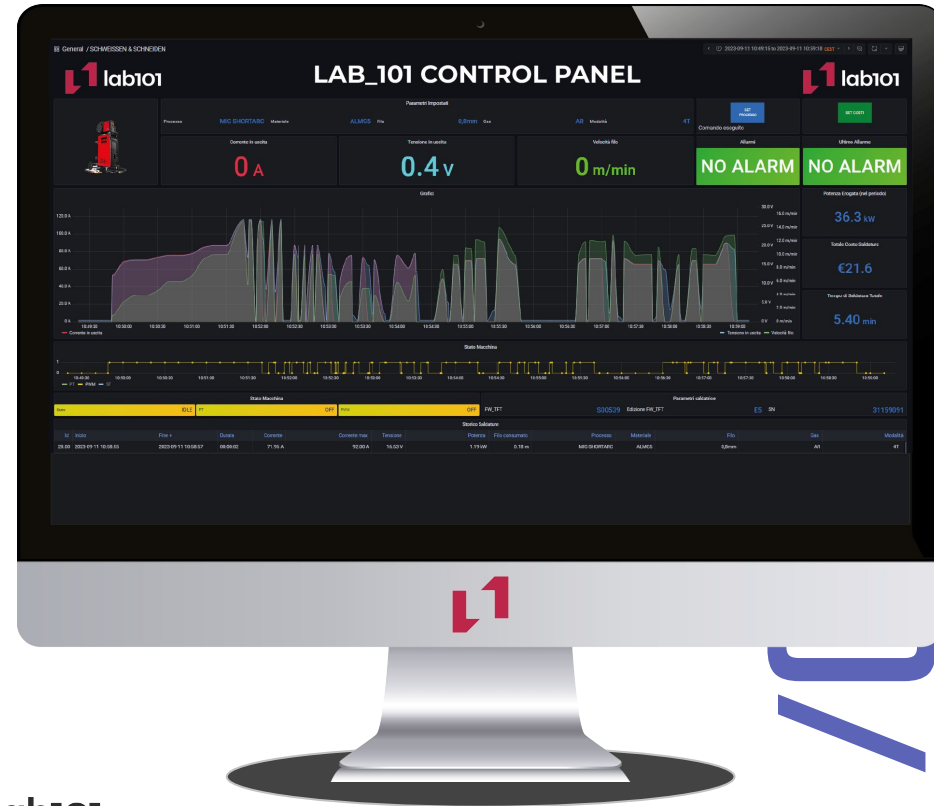


HOW DATAMARK WORKS

HOW DO WE CONNECT THE MACHINES?

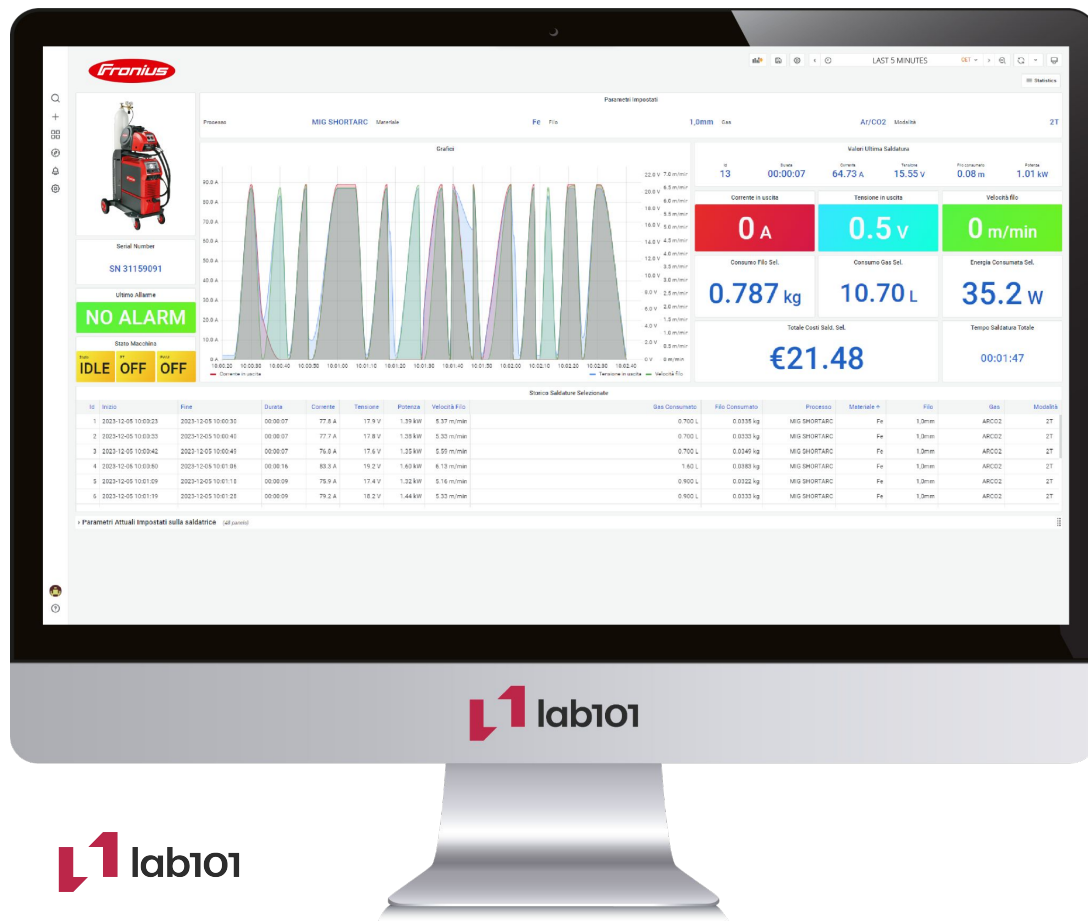
- 1. EVALUATION:** LAB101 will study the customer's production line with subsequent discussion on connectable machinery.
- 2. ANALYSIS:** analysis of variables and mathematics associated with machinery.
- 3. DATASET:** customization of the Dashboard according to the customer's needs.
- 4. INTEGRATION:** we will communicate machinery and Datamark to each other in order to obtain the tracking of the data.

TAKE A LOOK AT OUR DASHBOARD



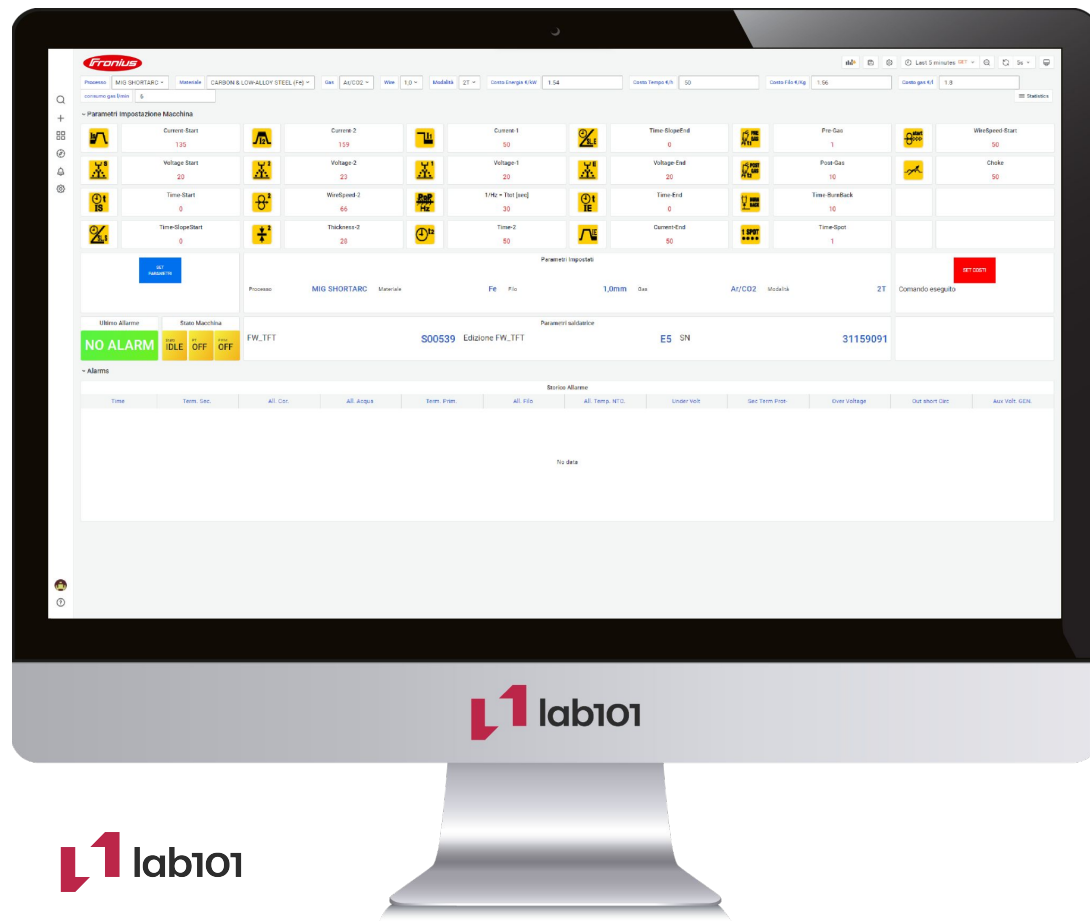
DATA

- **Raccolta Intelligente:** Il nostro software offre una raccolta di dati altamente efficiente, consentendo una visualizzazione dettagliata delle attività dei macchinari industriali in tempo reale.
- **Integrazione Universale:** Siamo in grado di raccogliere dati da una vasta gamma di dispositivi e macchinari, garantendo una copertura completa per le esigenze di monitoraggio industriale.
- **Precisione e Coerenza:** Forniamo dati accurati e coerenti per consentire una valutazione affidabile delle prestazioni operative, facilitando decisioni informate



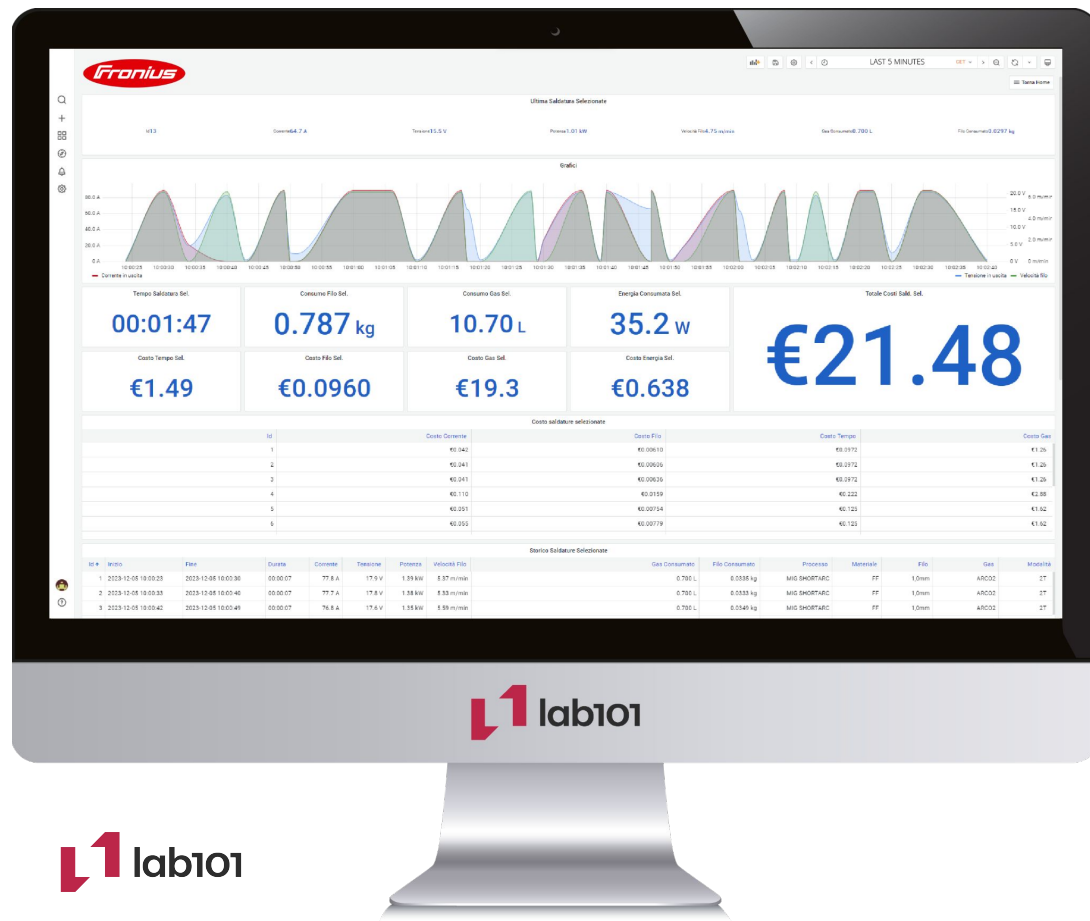
SETTINGS

- **Personalizzazione Avanzata:** Il nostro software consente un'ampia gamma di impostazioni personalizzabili per adattarsi alle specifiche esigenze di ogni macchinario, garantendo massima flessibilità operativa.
- **Gestione Remota:** Le impostazioni possono essere regolate in remoto, consentendo un controllo completo e immediato dei parametri di lavorazione senza interruzioni sul campo.
- **Allerta e Notifiche:** Implementiamo un sistema di avvisi personalizzabile per segnalare eventuali deviazioni dai parametri prestabiliti, contribuendo a prevenire problemi prima che si verifichino.



STATISTICS

- **Controllo e gestione dei costi:** Utilizziamo algoritmi avanzati per analizzare i dati e fornire valori reali di costo per materiali, consumi e lavorazioni impiegati/e.
- **Report Dettagliati:** Generiamo report dettagliati e intuitivi che offrono una visione completa delle attività di lavorazione, facilitando la comprensione e l'analisi dei dati.
- **Trend di Produzione:** Le statistiche includono trend di produzione nel tempo, consentendo una valutazione chiara delle performance e identificando opportunità di miglioramento.



WHO USES DATAMARK

TAKE A LOOK AT OUR DASHBOARD 



/CAI/CAI/

/CAI/CAI/



04.



COMPETITIVE ADVANTAGES

We are engaged in a constant research and development process. This means that our platform will always be at the forefront, ready to adapt to the new challenges and developments of the market.

These benefits not only position our platform as a leader in the industry, but also offer tangible value to companies, allowing them to operate more efficiently, safely and innovatively.



ADVANTAGES AND BENEFITS

01.

FULL INTEGRATION

While many platforms offer individual solutions, our platform combines ticketing, IOT, drone management and biometrics in one environment.

This integration eliminates the need to manage and train staff on multiple systems, reducing costs and increasing efficiency.

02.

ADVANCED A.I.

Our platform is not limited to providing tools; thanks to the AI, it offers predictive analysis, automatic configurations and customized dashboards, allowing companies to anticipate challenges and react proactively.

03.

FLEXIBILITY AND SCALABILITY

Thanks to the access APIs, the platform can be easily interconnected with other systems, allowing companies to adapt and scale solutions to their specific needs.

04.

SAFETY AND RELIABILITY

Data and operations security is at the heart of our design. ← with advanced security protocols and regular backups, we ensure that business information and operations are always protected.

05.

SUPPORT AND EDUCATION

In addition to providing an intuitive platform, we offer comprehensive training and dedicated customer support, ensuring that every company can make the most of the platform's potential.



THANK YOU!



For more information

Frontdesk@lab101.it

+ 39 347 409 3953

Lab101.it



Via Conca 8, Villaverla (vicenza)