



Esautomotion presents:  
EsaFour4.0  
Smart Tracer  
Smart Bending Assistant

To redefine the concept  
of production efficiency  
we did it in 3.



We have been creating  
and developing powerful  
technology since 1962  
**to control and automate  
production plants.**

Esautomation is a global leader in the marketing of CNC systems, devices and advanced software “turn keys” for the control and management of sheet metal cutting machines, press brakes machines, marble, wood and transfer processing machines.

The constant research activity, theoretical and applied, and the strong orientation towards technological innovation focused on the real needs of our customers are the basis of our uninterrupted growth.

Today, thanks to Esautomation,  
**efficiency in the workshop takes  
three great strides at once.**

From the collaboration with the Remsoft software house, three great Esautomation innovations are born, designed to raise productivity and integration between plants, CNC and plant to levels never reached before: the EsaFour4.0 suite, the Esa Smart Tracer app and the Smart Bending smartwatch Assistant.

# EsaFour4

Four software  
to convert your workshop  
into a real smart factory.



## o EsaFour4

To compete in today's global markets, all companies must convert to the production logic of Industry 4.0: automation, digitization, interconnection and data exchange between machines and company functions.

There are, however, very different business and production realities from each other in terms of size and management, which make Industry 4.0 "one size fits all" solutions ineffective.

Industry 4.0 is smart,  
even better if it is modular.

EsaFour4 is the new suite of 4 modular and integrated Esautomotion software that introducing an higher level of automation and digitization in production: they can send and receive data and information, communicating with the company's computer system.



- o **Data Logger:** collects production data on time of the single machine by translating them into a Windows-compatible language.
- o **Production Manager:** loads the various orders, sending all the information on the piece to be executed to the CNC.
- o **Production Tracer:** organizes and processes the data of the various machines.
- o **Office Production Manager:** loads, manages and controls all orders with automatic sending to the Production Manager of each machine.

Modularity means being able to choose only the software you need. The EsaFour4 suite was born as a flexible and adaptable solution to the specificity of each company: you can buy only the software you actually need according to your reality, knowing that they will always work synergistically with each other and with the Esautomotion CNCs.

# Esa Smart Tracer.

The app to control remotely the production data of a machine, 24/7. Just use your smartphone.



## o ESA-Smart tracer

External work commitments or new ways of working, such as smartworking, are normal situations that can move away, for a shorter or longer time, from the workshop or from a production site. However, there remains the need to be able and to always control, from any place and at any time, the regular progress of production processes.

The Esa Smart Tracer app, available in iOS and Android versions, allows you to remotely monitor in real time, at any time and 7 days a week, the production status of each machine managed by the EsaFour4 suite packages.

Your machines, all inside your smartphone.

Through a series of screens Esa Smart Tracer will show you a series of information, including:

- Program running
- State
- Sequence list of production orders, with relative date / time of order execution start and duration of production
- Number of pieces produced

No purchase costs, you can choose between 3 types of subscription.

Esa Smart Tracer can be downloaded for free from the Apple and Google stores. Three different subscription levels are available, which differ in the quantity and time coverage of the data that can be viewed:

- **Basic subscription:** data for the current day
- **Advanced subscription:** data of the week
- **Pro subscription:** data for the last 6 months



## Smart Bending Assistant.

If you have to program your bending machine talk to your new assistant. Vocal.



### Smart Bending Assistant

The Smart Bending Assistant (SBA) is a special smartwatch designed to interact, via simple voice commands, with all Esautomation CNCs for bending machines.

A press brake operator often has to interrupt his activities to enter commands and instructions to the CNC via his screen. This can cause significant losses in both time and productivity.

With the Esautomation SBA on the wrist, your operator can instead, from now on, give vocally a series of instructions to the smartwatch, which will automatically forward them to the folder.

Navigate the menu with a simple gesture of the arm.

To issue voice commands, the SBA can be fastened to the wrist, like a normal real smartwatch, **or it can be attached to the edge of the machine.**

The operation is deliberately very simple: it is controlled by the movement of the arm (up / down to move in the menu and right / left to choose a screen) **and takes place through a few clear screens.**



Perfect bendings with the built-in gyroscope.

Thanks to the special Cube support, it is possible to calculate the inclination of a workpiece through the internal **gyroscope of the SBA**, which will measure the inclination degrees.

The process takes place in 3 quick stages: **sampling** of the starting inclination, **measurement of the new angle and its sending to the CNC.**

3 versions to suit all your needs.

- **Versione Base:** can be used on the operator's wrist or hooked to the edge of the machine to issue voice commands.
- **Versione Advanced Cube: with built-in digital gyroscope.** It includes the Basic version device, with all its features, plus the Cube support to use the internal digital protractor.
- **Versione PRO:** includes the two Smartwatches Basic Version and Advanced Cube. The operator can wear the Base device on the wrist and use the Advanced Cube device as a digital protractor.





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