



**vis-800**

Innovation, modularity  
and new features  
for the best CNC ever.

Are you ready to get surprised?



60 years of experience  
industrial automation, constant  
innovation, Italian passion.  
**This is Esautomotion,  
the specialist of the most  
technologically advanced CNC.**

Our path of success has begun nearly 60 years ago and we have since launched products that have revolutionized the market of industrial automation and CNC. In Italy and in the world.

**The most important chapters in our history.**

- 1962** • The company is founded with the name of ESA GV, with the aim of proposing technological solutions for automation. It is one of the first, in Italy and in Europe, to present electronic boards for the management of industrial machinery.
- 1985** • Launch of Tria, the first CNC with "real time" technology, which substantially improves the performance of automatic machines.
- 2000** • The Kvara series is born, one of the first PC-based and full-digital CNCs, which offers the possibility of managing axes and external devices with digital Bus.
- 2006** • Launch of the S500 CNC series and of the new families of E and ED brushless motors. Esautomation revolutionizes the market by being the first to propose the idea of "Turn Key Solution": the software is always included in the CNC, avoiding to the customer the additional and costly use of external developers or software houses, thus speeding up the time-to-market of his projects.
- 2011** • Through a buyout, ESA GV changes ownership and takes the name of Esautomation. The goal of the new shareholders is to significantly expand the company's turnover through strong investments in innovation and in the internationalization of activities.
- 2014** • The S600 CNC series is born. Full touch technology is adopted for the screens of all models.
- 2018** • Listing on the Milan Stock Exchange to access more financial resources and seize further opportunities for growth and diversification.  
  
Transfer to the new and more spacious headquarters in Carpi, to improve both internal logistics and efficiency and provide better customer service.
- 2019** • Esautomation is now a globalized company, with direct offices in Germany, Spain, USA, Brazil and China and a presence through dealers in other industrialized important countries.
- 2020** • The VIS-800 series is born, the highest expression of touch technology, modularity and full digital Ethercat communication.





# The philosophy of Esautomotion: offering higher value to customers through the best CNCs and service in the market.

Our mission is to offer customers a wide range of advanced products, devices and software that integrate perfectly with the mechanical parts of their machines, to automate them according to the highest standards of efficiency and productivity, in full compliance with the logic of Industry 4.0.

Customer needs are constantly at the heart of our business: all products are designed to offer superior and tangible value in terms of better performance and ease of use for machine operators.

# Intelligent power: the exclusive product value from Esautomation.

All experts place Esautomation CNC firmly among the best in class on the market, with recognized strengths such as:

- **The most powerful CNC on the market, thanks to the exclusive design architecture.**  
The particular design architecture allows us to offer unrivalled performance in terms of precision and control in every situation. With the top of the range models it is possible to manage a practically unlimited number of axes, making it possible to work that was previously considered impossible.
- **The smartest CNC on the market, because turn key software is always included.**  
The software, developed ad-hoc by Esautomation according to the specific needs of each customer, is always included in the equipment and makes the CNC immediately operational, with considerable savings in terms of costs and time.
- **The most versatile CNC on the market: the same hardware for all applications.**  
The hardware of all Esautomation CNC can manage all applications, such as: sheet metal bending and cutting, wood and marble processing, general purpose. This translates into a significant advantage for OEM customers, in terms of greater knowledge of the devices and inventory optimization.

## Value for customers is also a technical support service available 24/7 around the world.

Esautomation provides an extraordinary wealth of skills on CNC and industrial automation gained in its 60 years of activity.

Our Technical Assistance service, made up of highly professional engineers and technicians, is available 7 days a week to solve any technical problem, covering all time zones thanks to the network of branches and dealers.





# New VIS-800 series

We have created the CNC of the future.

1 rack only for all models,  
100% digital, 100% Wifi connectable,  
GlassOnly 100% Full Touch screens.

With VIS-800 Esautomation redefines CNC standards, offering a series of innovations and features that incredibly improve efficiency and productivity during installation on machines and systems. The speed and graphics performance also guarantee an optimal user experience for end users.

**The extraordinary nature of VIS-800 CNC machines can be understood from the technical characteristics:**

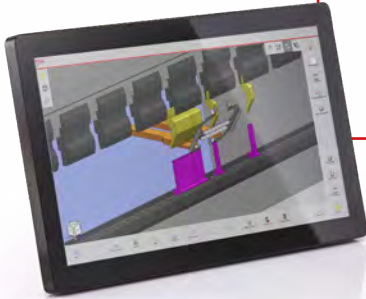
- **Intelligent modularity:** 1 rack only for all models. This allows a significant reduction in warehouse stocks and an exceptional simplification of the connections to the axes and control units to all the other devices installed on the machines.
- **100% Digital:** the VIS-S800 series was born with a full digital concept thanks to the Ethercat communication protocol.
- **100% Wifi Connectable:** the VIS-800 CNCs are designed for the Industry 4.0 logics: they can all be connected to the internet, allowing an absolute level of integration with the other systems and management software installed inside the company.
- **New GlassOnly screens, 100% Full Touch:** developed on Esautomation specifications, they are all equipped with a chipset to support high-level graphics performance.
- **Advanced HMI graphic tools:** possibility to develop complex and 3D interfaces, simplifying user interaction.
- **Turn-key power:** all VIS-800 CNCs are software-bundled and immediately operational, with significant savings in terms of time and costs.
- **Maximum versatility:** VIS-800 CNCs are adaptable to all possible applications: sheet metal cutting and bending, marble, wood cutting, general purposes.
- **Remote tele-assistance for all models:** Fast Service Esautomation and Industry 4.0 fully combined thanks to the permanent connection with the customer and the end user.
- **Total integration** with all motors, drives and Esautomation expansion boards available.



## Up to 3 axes. Compact and performing.

7" HQ Touch Screen, excellent value for money.

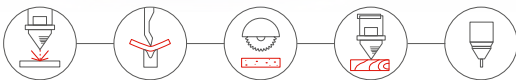
### o VIS-825



The entry level model of the VIS-800 range: small size but excellent performance thanks to the 7" color HQ Touch screen, newly designed HMI and the ability to execute thousands of part programs.

#### Main features:

- All-in-one monoboard
- Resistive 7" HQ Touch color screen
- Management of up to 3 interpolated axes, ideal for shears
- HMI redesigned for intuitive use
- Simple programming even for complex cuts
- 16 + 12 I / O with integrated PLC



## Up to 4 axes. Compact power to be the top of the category.

Glass Only 10" Touch HQ color screen.

### o VIS-830



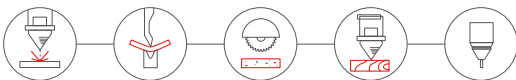
A highly performing CNC despite its small size.

Full Digital Ethercat connection for top performance.

10" HQ Touch color glass screen, advanced graphic programming, sophisticated algorithms, high computing power to manage machines up to 4 axes in all applications.

#### Main features:

- All-in-one monoboard
- 10" Touch HQ color capacitive GlassOnly screen
- For all applications up to 4 axes
- Clear and ergonomic HMI for intuitive use
- 32 + 32 I / O with integrated PLC
- 2 Ethernet ports as standard
- 2 RS-232 serial ports
- 2 USB 2.0 ports
- 2 analog inputs + 2 analog outputs
- 1 CANopen port





## Up to 6 axes.

## Compact in size but big in performance.

15" LCD HD Touch GlassOnly super screen.

### • VIS-840

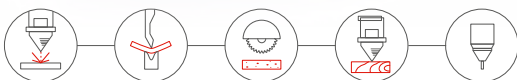


The full applications CNC designed to excel in the control of machines up to 6 axes. Equipped with Ethercat connection for a truly full digit experience.

The large 15" color Tft LCD glass screen ensures optimal ergonomics for the user thanks to the complete and intuitive HMI.

#### Main features:

- All-in-one monoboard
- 15" Tft LCD HD Touch capacitive type GlassOnly color glass screen
- For all applications up to 6 axes
- Ergonomic and easy to use HMI
- 32 + 32 I / O with integrated PLC
- 2 Ethernet ports
- 2 RS-232 serial ports
- 2 USB 2.0 ports
- 4 analog inputs + 2 analog outputs
- 1 CANopen port



## Up to 12 axes.

## Super-connected power to be the best compact CNC.

15.6" GlassOnly HD Touch LCD screen.

### • VIS-850

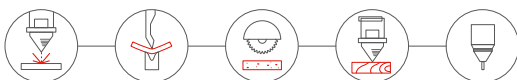


Exceptional power to manage large machines up to 12 axes, large screen in ultra-clear 15.6" Tft LCD HD glass with millions of colors with advanced HMI.

Faster data connection with the double LAN / Ethercat port and superior multifunctionality ensured by 64 total I / O interfaces and 2 USB 3.0 ports.

#### Main features:

- All-in-one monoboard
- GlassOnly 15.6" Tft LCD HD Touch color capacitive type screen
- For all applications up to 12 axes
- Clear and ergonomic HMI for intuitive use
- 32 + 32 I / O with integrated PLC
- 2 Ethernet ports as standard
- 2 RS-232 serial ports
- 2 USB 3.0 ports
- 4 analog inputs + 2 analog outputs
- 1 CANopen port



## o Rack S800

Connectable to the new S800 rack

- 2 LAN / Ethercat ports
- Up to 32 + 32 local digital I / O
- Up to 512 digital I / O in total via expansion cards
- 1 RS-232 / RS422 serial port
- 2 USB 3.0 ports
- Tailor made customization for each application thanks to the expansion boards made by Esautomotion



## Up to 6 axes. Born to be excellent.

The extra power of the built-in PC, the functionality of the 15.6" LCD HD GlassOnly Touch Screen.



## o VIS-840W

The high-performance CNC: integrated industrial PC with Intel CPU and Windows 10 operating system, connected to the new Rack S800.

Maximum connectivity thanks to the use of full digital Ethercat communication.

The ultra-sharp 15 "HD Tft LCD glass screen combined with the new advanced HMI offer a superb user experience to the operator.

### Main features:

- Bi Board PC + Rack
- 15.6 "16: 9 Tft LCD HD Touch capacitive type GlassOnly color screen
- Industrial PC
- Intel quad-core CPU
- Windows 10 operating system lot
- RAM: 4 Gb
- For all applications up to 6 axis
- HMI ergonomic and easy to use



## Up to 12 axes. Pure power.

Embedded Windows PC, Intel CPU and 15.6" LCD HD Touch GlassOnly screen.



## o VIS-850W

Performance and versatility far superior to the rest of the market: integrated industrial PC with Intel quad-core CPU and Windows 10 operating system.

The ultra-clear 15.6 "HD Tft LCD Touch screen with millions of colors offers superior usability thanks to the clear and modern HMI.

Maximum bi-board connectivity: Ethercat connection between Rack, PC and external peripherals.

### Main features:

- GlassOnly 15.6 "16: 9 Tft LCD HD Touch screen with millions of colors of capacitive type
- Industrial PC
- Intel Celeron 1.9GHz CPU
- Windows 10 lot operating system
- Ram: 4 Gb
- For all applications up to 12 axes
- Clear and ergonomic HMI for intuitive use



## Up to 64 axes. Absolute excellence made CNC.

Powerful Windows PC integrated with Intel CPU and 18.5" 16:9 HD LCD Multitouch GlassOnly large screen.

### • VIS-860W



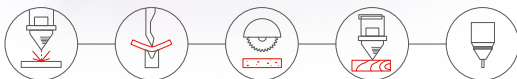
Designed for applications that always require performance at the limit: maximum efficiency and precision for complex machines up to 64 axes.

Windows 10 integrated industrial PC, 1.9GHz Intel Celeron CPU and superb 18.5" 16:9 Multitouch HD LCD glass screen with advanced HMI.

Exceptional bi-board connectivity thanks to the Ethercat interconnection between PC, CNC and all external devices installed. Full 3D interfaces available for different applications.

#### Main features:

- 18.5" GlassOnly screen with millions of colors Tft LCD Multitouch capacitive type
- Industrial PC
- 1.9Ghz Intel Celeron CPU
- Windows 10 operating system
- RAM: 4 Gb
- Clear and ergonomic HMI for intuitive use
- For all applications up to 64 axes



## Up to 128 axes. Better is impossible.

Mega power with integrated Windows PC with Intel I5 CPU, 21.5" 16:9 LCD Full HD Multitouch GlassOnly maxi screen.

### • VIS-875W



#### Designed to have no limits:

Integrated industrial PC with Windows 10 operating system, 2.7 Ghz Intel i5 high-power CPU with 8 Gb of RAM.

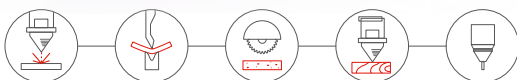
Management of all 3D Cad-Cams and all types of machines up to 128 axes.

Ultra-large 21.5" Tft LCD Full HD Multitouch glass screen with millions of colors, new generation interface to implement all the functions, even the most advanced.

Bi-board connectivity and expandability: manages all types of applications, even the most extreme. Superior modularity, power, brilliance and reactivity to equip High Level machines.

#### Main features:

- 21.5" Tft LCD Full HD Multitouch color screen GlassOnly with millions of colors of capacitive type
- Industrial PC
- 2.7Ghz Intel I5 CPU
- Windows 10 operating system
- RAM: 8 Gb
- For all applications up to 128 axes
- Advanced HMI and easy learning
- 2 Ethernet ports as standard





# Motors

## Performance and control. Always on top.

Particularly compact in size for easier installation, Esautomation motors always offer the torque, inertia and power ideal for each type of application.

Within the wide range, classic solutions are available, such as the E series, as well as exceptionally innovative like the motors with integrated drive of the ED series.



High rotation speed  
and axis movement  
precision.

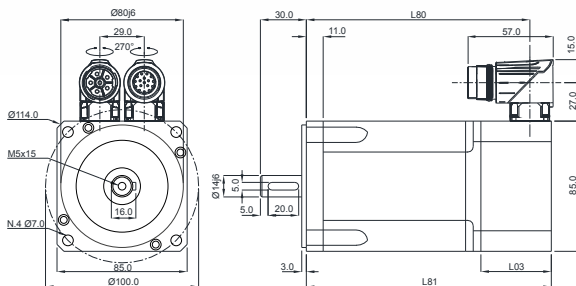
### o E series Motors

The E series brushless servomotors are synchronous AC motors, adopting latest generation manufacturing and magnets solutions. They are characterized by excellent performance and low ripple and can mount either an incremental or absolute encoder.

They are also characterized by a high torque / volume ratio and provide excellent dynamic performance.

#### Main features:

- Rare earth magnets for high temperatures
- 8-pole construction
- Sinusoidal FCEM
- Thermal protection integrated with PTC
- Connectors output
- Compact size, high protection, smooth casing
- High speed
- High inertia and high efficiency



Saving space without sacrificing performance and reliability.

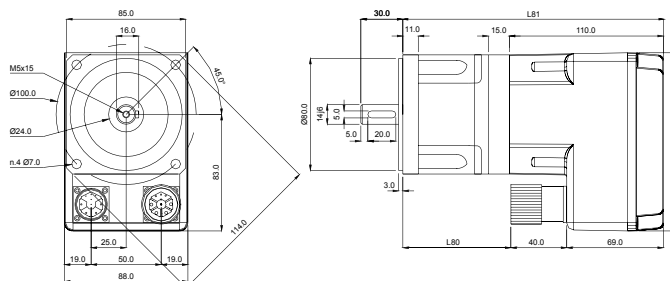
## o Integrated drive ED Motors

Thanks to constant technological research, Esautomation has managed to incorporate the drive into the motor, freeing up about 70% of the space normally occupied in the electrical cabinet.

This comes also with drastic reduction in wiring and components, significantly reducing costs.

### Additional features compared to E series motors:

- Drive integrated directly into DC
- Power supply module capable of managing multiple ED motors
- Total supply of 10 continuous Arms and 30 Peak Arms (guaranteed for 5 sec)
- Management of the braking resistor through the power supply module. The module integrates the IGBT and a resistance of 120W and external power up to 1500W
- Continuous power stabilization capacity and related soft charge circuit
- EMI filter for compliance with EMC regulations (directives 2004/108 / EC and 2006/95 / EC)
- CanOpen std DS301 protocol as communication interface
- Circuitry for integrated electromechanical brake management
- Protections against overcurrent, over-temperature, power module, printed and motor conditions
- Power supply boards with energy saving logic (max absorption on 24VDC - 200 mA)
- Standard protection IP65
- Its can manage an incremental or absolute encoder
- M23 5 + 4 polarized pins connectors (one male input and one female output) for the simultaneous transfer of power supplies (325 and 24 VDC) and signals (Can BUS)



# EBS Drivers

The right energy for  
the perfect movement of the axes.

Developed to work in total digital integration with Esautomation CNCs and motors, EBS drives use standard fieldbuses such as CAN open and EtherCAT.

**The range includes five main sizes:**

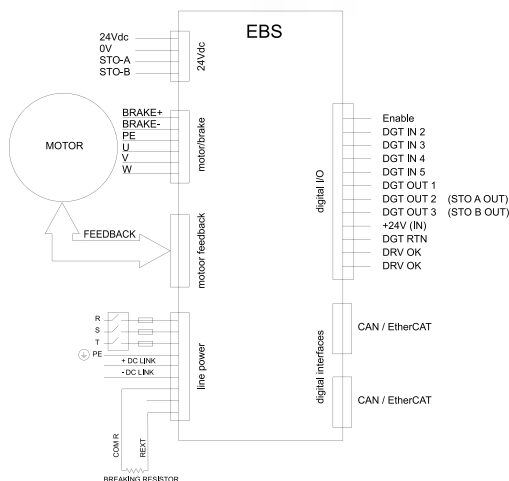
EBS3, EBS6, EBS12, EBS30, with direct mains power supply (Three phase 220V-400V AC).



## o EBS Drivers

**Main features:**

- o Internal braking resistor (except for the EBS30 and EBS42 models)
- o Possibility of mounting an external braking resistor
- o 24Vdc service power supply (-15+ 20%)
- o Management of TTL transducers + HALL, SinCos, Hiperface sensors
- o Vectorial adjustment made through a latest generation DSP
- o Automatic management of the electromechanical brake, with brake failure protection and brake circuit overcurrent protection
- o Implementation of the following protections:
  - o Converter overcurrent
  - o I2t IGBT and motor with pre-alarm and alarm threshold.
  - o Braking circuit anomalies
  - o Abnormal electromechanical brake circuit
  - o Breakage / disconnection of encoders
  - o Motor overspeed
  - o SIL safety certification
  - o STO safety certification





## Expansion Boards

Maximum modularity and possibility of customization to create the CNC system for your needs.

Esautomation expansion boards are designed to optimize your VIS-800 CNC, adding the functionality that you need to build your truly bespoke system.  
The main connection buses are either via optical fiber (I / O link) or via Ethercat

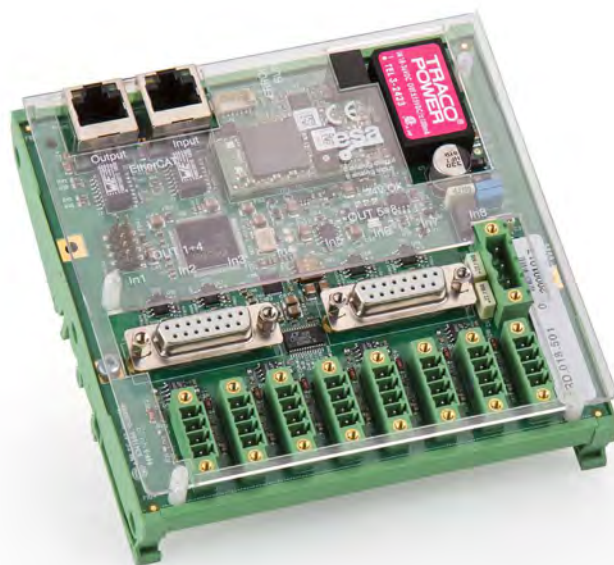
### Expansion boards

#### Five families of cards

for all possible application needs.

The wide range of Esautomation boards allows you to satisfy not only the needs transversal to all applications but also the most specific for each application area:

- General purpose boards with fiber optic I / O Link connection (connectable to all VIS-600 and 800 CNCs, for all applications)
- Plasma cutting application boards with fiber optic I / O Link connection (connectable to all VIS-600 and 800 CNCs)
- General purpose boards with Ethercat connection (connectable to all VIS-600 and 800 CNCs, for all applications)
- Rack Mounted boards for all applications (only connectable to CNC Rack S500)
- Rack Mounted boards for laser cutting application (connectable only to CNC Rack S500)



# Cutting heads

High accuracy raised to the maximum efficiency in sheet metal laser and plasma cutting.

The bi-rotary Esautomotion 5AH head was born from the long collaboration of Esautomotion with the largest international manufacturers of sheet metal laser and plasma cutting machines.

Designed to meet the strictest precision requirements for higher productivity and the reduction of production costs, the 5AH bi-rotary head guarantees outstanding advantages in use.



## ○ Cutting Heads

### Main features:

- High precision and infinite repeatability thanks to the adoption of high precision bearings and the complete digital motor Dmotion by Esautomotion combined with two gearboxes with backlash <1.5 Arcmin
- Motors mounted directly on the axis without the use of transmission with belts / pulleys
- Limited weight (about 12.5 kg) to allow obtaining high dynamics of the cutting machine
- Small size to avoid blind spots
- Simple installation (perforation plate compatible with the main brands of laser cutting heads / plasma torches)
- RTCP management thanks to sophisticated Esautomotion CNC algorithms, which allow the tilting of the head on the cutting point, limiting the movement of the machine axes and increasing the cutting efficiency





Software & Applications





# Turn key software made in Esautomotion: the thinking heart of the new VIS-800 CNC for all applications.

Dedicated to the VIS-800 series, Esautomotion has developed a new generation of turn key software that ensure instant operability instant, maximum control and an exceptional level of precision in every application.

Esautomotion's exclusive FLED (Fast LEarning Design) philosophy allows the creation of simple and intuitive interfaces, facilitating and speeding up the work of the machine operator.

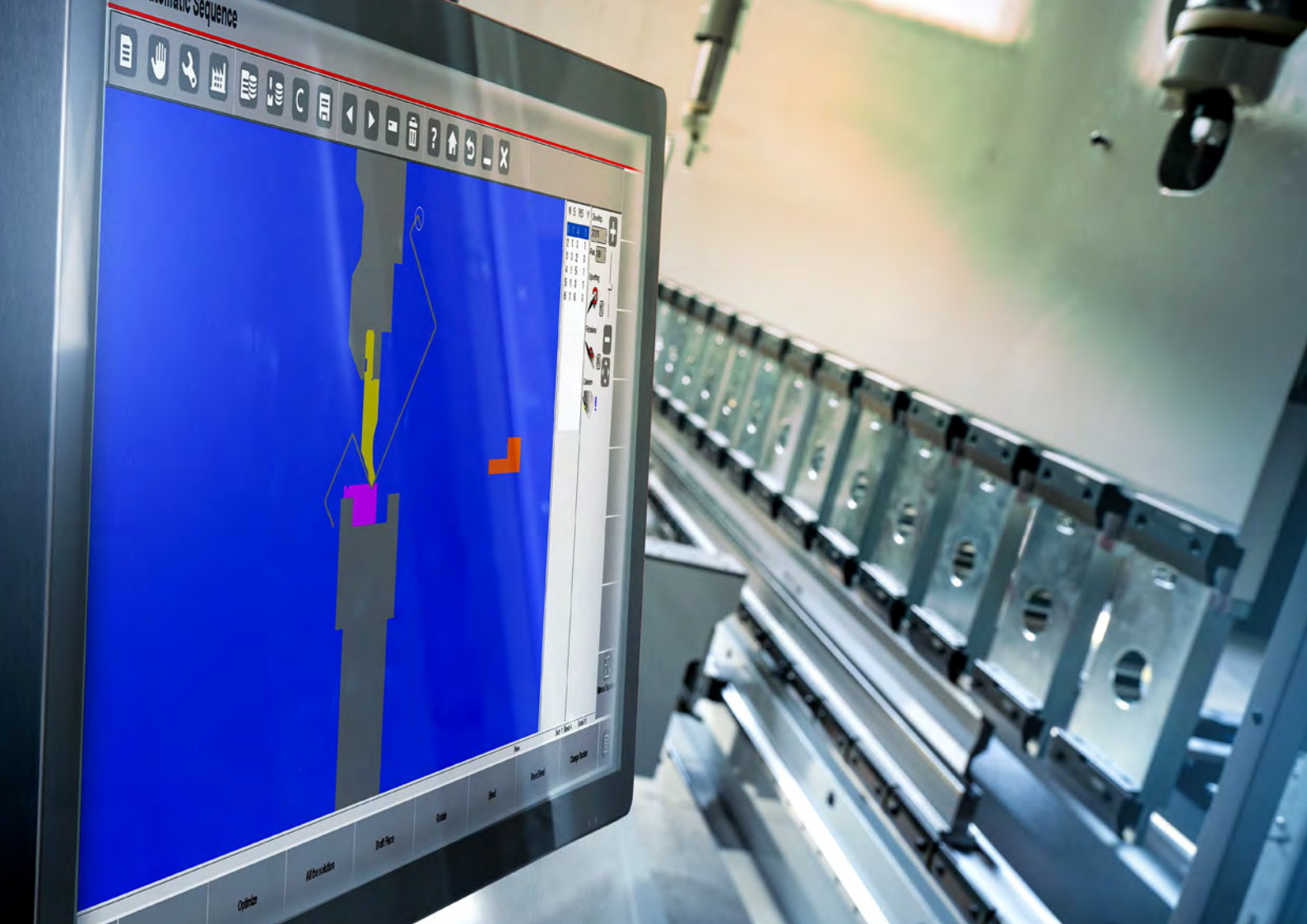
## Industry 4.0 Expansion: Esautomotion modular solution for the interconnected factory.

4 additional application packs are available:

- Data Logger
- Production Manager
- Production Tracer
- Office Production Manager

to make the machines "Industry 4.0 ready" and connectable to the internal wifi network, according to various production realities: from companies approaching the 4.0 world for the first time up to those already structured.





# Metalforming

We have been designing advanced bending control software for over 25 years. Increasingly powerful, always easy to use, always turn key.

The intelligent heart of software specifically designed for bending is beating in all our VIS-600 and 800 CNCs, thus guaranteeing exceptional performance with every type of processing.

Developed ad-hoc according each client's needs, our turn key software allows both 2D and 3D visualization, while optimizing all the bending sequences.

Thanks to unique Esautomation's exclusive FLED (Fast LEarning Design) philosophy, it greatly simplifies and speed up the machine operator's work.



# Features and functionality based on processing:

## Shears

- Management of sheet metal shears machines. Intuitive interface for machine management from 1 to 3 axes
- Interpolated management of the inclination axes, blade gap, back gauge register and evacuator

## Press Brakes (conventional, syncro, hybrid, electric, tandem, multitandem)

- Dedicated HMI
- Complete range of software for press brakes machines
- Simple and intuitive 2D and 3D interface. Both available on the machine and off-line to guarantee the maximum bending experience
- Management from traditional press brakes to more complex multi-tandem systems
- The integrated PLC combined with the open software structure does not limit the development of structured architectures for the construction of complex systems, avoiding the addition of third-part electronics devices
- Management of the Y1-Y2 axes, combined with the rear back gauge axes
- Complete database for most sheet sizes and thicknesses
- Automatic optimization of the bending sequence
- Integration with the most common types of crowning (mechanical, hydraulic, hybrid with the possibility of real-time management)
- Interface with the main suppliers of pumps and valves (Bosch, Rexroth, Hoerbiger, Voith)
- Interface with the main measurement systems of the bending angle in real time (Data M-Lazer Safe)
- Interface with the main PLC safety systems (Nuova Elettronica-Lazer Safe-Fiessler-Pilz)
- Easy integration of robots for interlocking Anthropomorphic and Cartesian plates
- Ready to use software for hybrid machine applications (with the possibility of full hardware + software package)
- "Ready to use" software for the main types of electric presses: direct, pulley belts, motor + gearbox (with the possibility of full hardware + software package)

## Profile / pipe bending

- Management of the main configurations of Profile Curve / Pipe bending machines
- Dedicated HMI
- Double independent adjustment with orbital or linear trajectories
- Electric or hydraulic roller management
- Interpolation between electric axes for the creation of profiles / coils
- 2D view of the profile to be bent

## Roll bending (tubes)

- Management of the main configurations for roll bending machines.
- 3-4 Rollers
- Dedicated HMI
- Sheet followers, tower, interlocking axes such as loading and unloading robots
- Material database expandable by the customer
- Management of on / off or proportional valves



# Metalcutting

Precision, power and zero problems.  
Our metalcutting software takes care of  
everything, with no possibility of errors.

Esautomation offers a full suite of turn key software for VIS-600 and 800 CNCs designed for sheet metal cutting machines. Powerful and reliable, it allows the use of all cutting technologies (Laser, Plasma, Oxy, Waterjet, Drilling) with 3- and 5-axis machines and for tube cutting.

Esautomation's unique FLED (Fast LEarning Design) philosophy allows the creation of simple and intuitive interfaces, greatly facilitating the work of the machine operator.

# Features and functionality based on processing:

## Plasma – Laser – Waterjet – Drilling

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- Dedicated HMI
- Easy management of the 3, 4 axis and 5 axis bevel cutting (also with double bevel head)
- Graphic display of the cutting part program
- Interface to all the main brands of plasma generators (Hypertherm, Thermal Dynamics, Cebora, Kjellberg) with manual and automatic gas consoles
- Manage in real time the correct cutting height thanks to the use of the arc voltage measurement using the HTC card made by Esautomotion
- Interface to all major brands of laser generators (IPG, Nlight, Raykus, Rofin) and laser cutting (IPG, Precitec, Turmpf, Raykus, Laser Mech) and the major brands of valves for the management of gas flows
- Complete suite for the management of laser technology such as fly cut, ping pong, fast cut or frog jump functions
- Management of high speeds and accelerations
- Interface to all major brands of high pressure pumps (KMT, Hypertherm) or to high pressure pumps made by the manufacturer. Traditional, hybrid or full electric
- Possibility to manage up to 4 gantry on the same machine
- Turn key solution for combined machines that combine plasma, waterjet, oxy and drilling technologies on the same system
- Complete management of tube / profile cutting technology, both in 3 and in 5 axes
- Possibility of managing anthropomorphic robots
- Post processors available to the main Cad Cams
  - Management of the automatic tool change procedure
  - Management of the sheet metal warehouse
  - Volumetric compensations for cuts on uneven surfaces

## Transfer

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- Multi-axis
- Bars
- Configurable software for the management of the main transfer machines
- Management of the rotary table
- Management of ZUS multistations
- Easy configurability
- Spindle management with and without feed back
- HMI remote control in different stations
- Management of machines for working bars





# Wood

Working wood is our history.  
It's not surprising that perfection  
is simple normality for us.

Since the beginning of our activity, at Esautomotion we have specialized in the design of CNC for the woodworking sector. The outstanding know-how and expertise developed over the years are literally unmatched in the market.

The powerful turn key software of VIS-600 and 800 CNCs coming from this extraordinary wealth of knowledge allows precise and error-free control of all types of wood cutting machines, such as:

- Fixed bridge machining centers
- Moving bridge machining centers
- Mobile bridge machining centers
- Contouring
- Edge banding
- Saws
- Drilling

## Features and functionalities

- Management of 3, 4 and 5 axis machines
- Measurement and management of tool wear
- Management of machines with gantry technology
- Interfacing with robots or automatic loading and unloading systems
- Post processors available to the main Cad Cam applications in the sector
- 3 and 5 axis cutting on columns / profiles
- Adoption of Spline technology for faster and more precise processing
- Anti-collision software check during movement in space







# Marble

Esautomation CNCs for marble cutting stand as the reference in the category and have been adopted by most important manufacturers of machines and systems.

Esautomation turn key software suite comes from these long partnerships and can control all the machines dedicated to stone working in general, such as:

- Polishing
- Bridge saw + Columns
- Waterjet
- 3 and 5-axis milling /cutting routers
- Machining centers
- Bilateral edging machines



# General Purpose

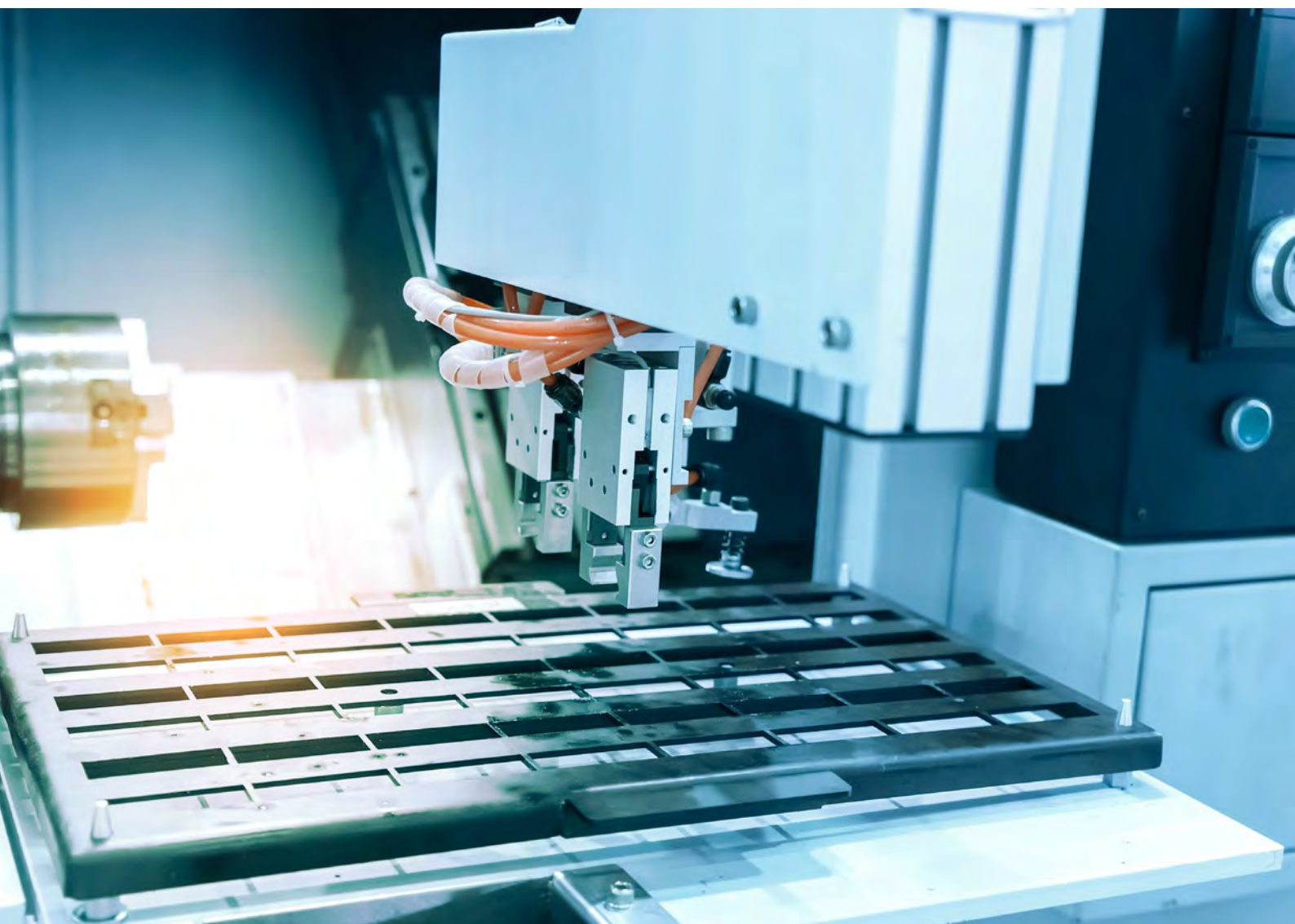
Fully customizable  
power and intelligence.

For those who prefer "homemade" CNC.

Esautomation CNCs are originally conceived for general purpose use, providing an extremely powerful platform on which each customer can build his own infrastructure for the control of his machinery or equipments.

Our General Purpose software is designed to allow the highest possible level of customization through the addition of all types of software functionality, both at PLC and graphic level.

The software tools available with Esautomation's VIS-600 and 800 CNCs allow single customers to finalize their own projects in complete autonomy, effectively adapting and implementing all the application know-how available in their companies.





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