emmegi

OVER_VIEW

PRODUCTS & SOFTWARES

EN

— WORLDWIDE **LOCATIONS**

EMMEGI, WORLDWIDE DISTRIBUTION OVER 60 COUNTRIES

The presence of Emmegi on the territory is organised through a radial system. The same principle used by airlines to optimise coverage of all routes.
A HUB routes toward itself all the activities within a certain zone whose area is determined based on the type of market. The various units operating within the area therefore refer to the reference HUB, which organises and coordinates the commercial flows and is in charge of the results within its zone.

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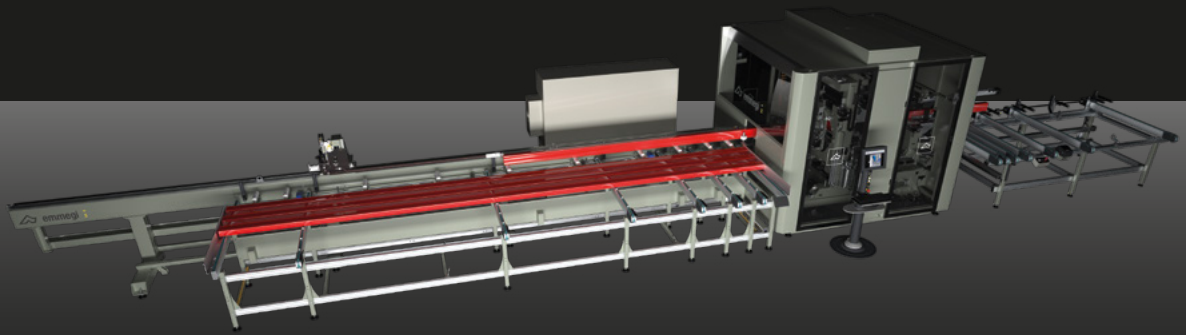
+QUADRA

Through feed bar working centre up to 20 CNC axes, designed to perform cutting, milling and drilling operations, including head and tail, on aluminum and light alloy profiles. +Quadra is a configurable line with modular solutions and custom packages that allow to satisfy the most common applications in window and doors, architecture and industry sectors. The structure of the line includes an automatic feeding magazine from which the profile is picked up and transferred to the operating section. The three main modules include a number of variants that modify the vocation of the line in terms of flexibility, automation and productivity. The equipment of the machining centre is completed by the ALM automatic labelling module with 2-axes positioner, to identify the machined pieces, and a tool integrity control system. Industry 4.0 ready.

ESSENTIAL PACKAGE	ADVANCED PACKAGE	SUPERIOR PACKAGE
Entry level of Flexibility and cleaning care of +QUADRA	What's needed to obtain the best performances by +QUADRA	High level of automation and productivity of +QUADRA
STANDARD LOADING TABLE 7500 mm	**extra clamp** SMALL PROFILE	**HIGH FLEXIBILITY** loading table
Piece **OVERTURN DEVICE**	**UNLOADING BELT** short pieces	**dynamic counterblock**
swarfs and **chips conveyor**	Metal mesh conveyors to **EVACUATE SCRAPS** to a bag	Automatic **LABELLING MODULE**



QUADRA ***L0 - L1 - L2 - L3***

Machining centre with up to 20 CNC axes, designed to perform cutting, milling and drilling operations, including head and tail, on aluminum and light alloy profiles. QUADRA is composed of an automatic magazine and a push-feed system for extruded profiles of up to 7.5m. The 4-axis CNC milling module is equipped with 4 to 6 electrospindles that make it possible to machine any side of the profile. The cutting module is composed of a 600 mm diameter blade with downstroke movement in 3 CNC axes (L1, L2, L3) and a 350 mm diameter blade with feed and rotation movements on a horizontal CNC axis (L0, L2, L3). The end milling module operates on two CNC axes (L2) or in alternative a module operating on 4 CNC axes is equipped with a dual drilling unit that can machine on profile heads (L3). QUADRA is equipped with an automatic ejector to transfer the machined segment from the cutting unit to unloading magazine with a maximum length of 4m (optional 7.5m). Industry 4.0 ready.

QUADRA **L0**

- 13-AXIS CNC MACHINING CENTRE
- 4 ELECTROSPINDLES
- AUTOMATIC BAR FEEDING SYSTEM
- 350 mm HORIZONTAL BLADE
- END MILLING UNIT

QUADRA **L1**

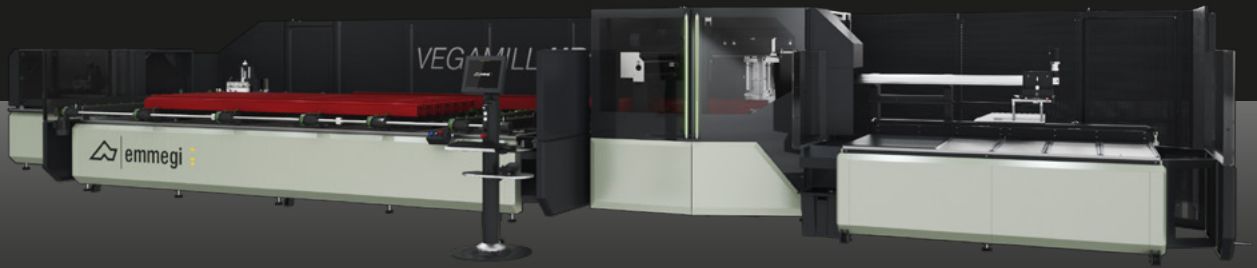
- 12-AXIS CNC MACHINING CENTRE
- UP TO 6 ELECTROSPINDLES
- AUTOMATIC BAR FEEDING SYSTEM
- 600 mm VERTICAL BLADE
- SOUND-PROOF CABIN

QUADRA **L2**

- 18-AXIS CNC MACHINING CENTRE
- 600 mm AND 350 mm DOUBLE BLADE
- UP TO 6 ELECTROSPINDLES
- END MILLING UNIT
- LARGE DIMENSIONS PROFILES MACHINING

QUADRA **L3**

- 20-AXIS CNC MACHINING CENTRE
- 600 mm AND 350 mm DOUBLE BLADE
- UP TO 6 ELECTROSPINDLES
- MILLING, DRILLING AND TAPPING UNIT
- MACHINING WITHOUT COUNTERBLOCKS



VEGAMILL **HB**

8 to 12-axis CNC machining and cutting-off centre, built for cutting, drilling and milling aluminium and light alloy profiles. VEGAMILL consists of four main units. Automatic belt loading magazine for profiles with a length of max. 7.5 m. A high-precision and highspeed push-feed system with gripper for profile picking and conveying to a machining area. The central machining unit with drilling and milling functions by means of 4-axis CNC and cutting unit, with widia blade. The cutting unit with 250 and 400 mm blade performs 90° cuts; in the version with 600 mm blade, it can perform cuts with an inclination of up to 22°30' to the right and left. The unloading unit may consist of a conveyor belt, ideal for short pieces such as brackets and hinges, or, alternatively, an unloading table equipped with an automatic extractor and an automatic tilting and translation system. Industry 4.0 ready.

8-12
axis CNC

ALL-IN-ONE
SOLUTION

from bar to finished workpieces

Specialized for

BRACKETS,
HINGES and
SHORT PIECES

automatic
extraction
system

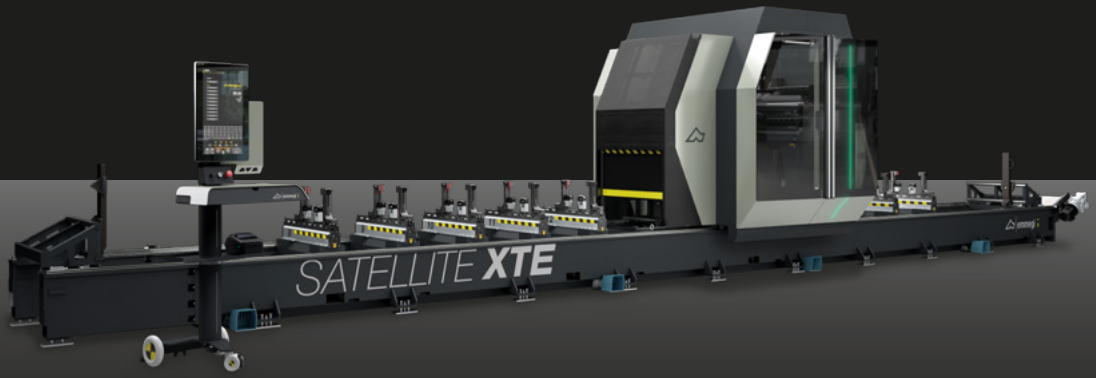
Up to 600 mm

HORIZONTAL
BLADE

with +/- 22°30' tilting

Tool magazine with

4 PLACES



SATELLITE **XTE**

5-axes CNC mobile gantry machining centre, designed to run milling, drilling, threading and cutting processes on large bars in aluminum, PVC, light alloys and steel. The high-power electro spindle (15 kW in S1) with HSK-63F tool connection allows even heavy-duty machining to be run with excellent speed and accurate results. The new local safety cab is designed to combine top functionality, accessibility, soundproofing and light with safety and ergonomic requirements. Thanks to the total opening system of the cab in two separate parts, easy access during cleaning and maintenance. The 24-place tool magazine is housed in the mobile gantry; it is equipped with an exchanger arm system that considerably reduces tool change times. A 500 mm blade tool is housed separately in a dedicated magazine system. SATELLITE XTE can be equipped with independent vices, tool-free design for quick setup. Absolute axes do not require resetting upon restarting the machine. Industry 4.0 ready.

Functional, accessible, **soundproofing cabin**

5 AXIS CNC

with moving gantry

24-position tool magazine

with **quick-change system**

TOOL-FREE SETTING

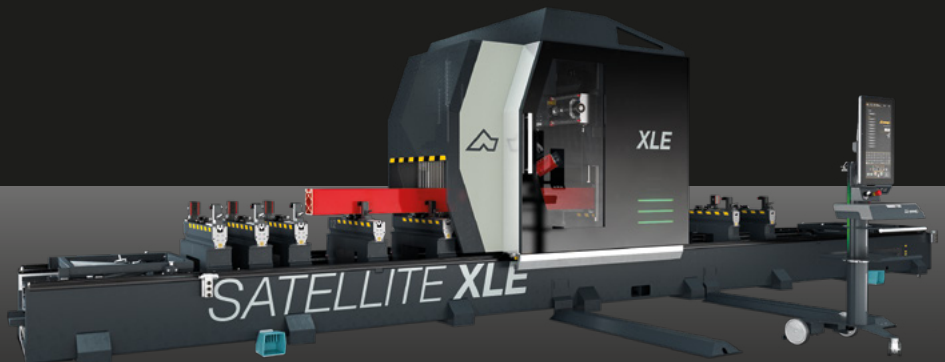
independent vices

24“ touchscreen monitor

WITH INTUITIVE HMI

CUT and **SEPARATE**

directly from the bar



SATELLITE **XLE**

CNC 5-axis machining centre with mobile gantry, built for milling, drilling, threading and cutting large bars in aluminum, PVC, light alloys and steel. The (11 kW S1) electro spindle with HSK-63F toolholder allows performing machining operations, even heavy-duty ones. The new local guarding cabin has been designed to offer optimal functionality, accessibility and lighting while fulfilling safety and ergonomics requirements. Thanks to the cabin complete opening system in two separate sections, also an easy access during cleaning and maintenance phases. An 18-place tool magazine is housed inside. The 450 mm blade tool is housed separately inside a dedicated magazine. SATELLITE XLE can be equipped with independent vices with compact, strong and tool-free design for quick setup. The new stops allow full coverage of the work area and disengage the area in case of machining on the profile heads. Absolute axes do not require resetting upon restarting the machine. Industry 4.0 ready.

5 - AXIS CNC

with moving gantry

18-position tool magazine

with 450 mm

blade

cut and **separate directly** from the **bar**

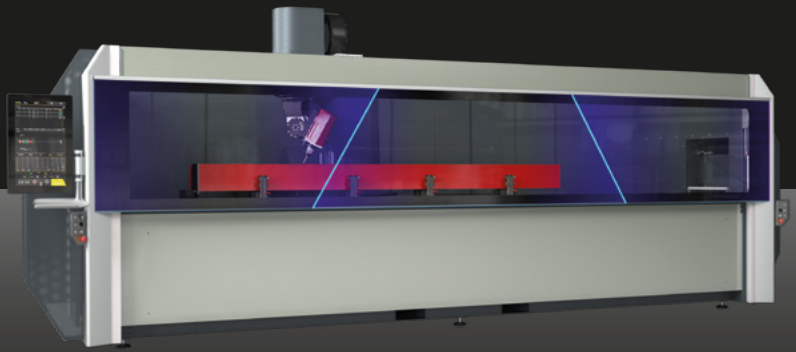
MACHINING SECTION **600X350**

TOOL-FREE MINIMAL

independent vices

24“ touchscreen monitor with

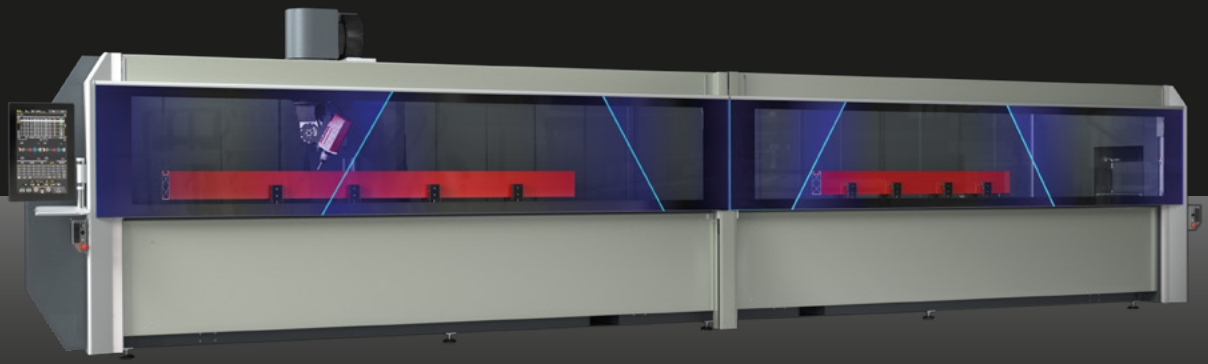
intuitive HMI



COMET **R** - **S** - **X**

COMET R: CNC machining centre with 5 controlled axes for machining bars or workpieces in aluminum, PVC, or steel up to 4m (R4) or 7m (R6) length. The electrospindle can be controlled in the range of –15° to 90° on the horizontal and -360° to +360° on the vertical axis. 12-place tool magazine with 250 mm blade. HP version is equipped with 2 additional axes for vices positioning and reference stops. I version has independent vices that can be positioned in concurrent operation time (R6I can work in dynamic double operation). The mobile worktable facilitates the workpiece loading/unloading operation and increases the machinable section on the Y-axis. Industry 4.0 ready.

COMET S: CNC machining centre with 4 controlled axes, for machining bars or workpieces made of aluminium, PVC or steel up to 4m (S4) or 7m (S6) length. The electrospindle can be controlled in the range of -120° to +120° on the horizontal axis for machining the top face and the side faces of the workpiece. 12-place tool magazine with 250 mm blade. HP version is equipped with 2 additional axes for positioning of vices and reference stops. I version has independent vices that can be positioned in concurrent operation time (S6I can work in dynamic double operation). The mobile worktable facilitates the loading/unloading operation and increases the machinable section on the Y-axis. Industry 4.0 ready.



COMET X: CNC machining centre, with 4 controlled axes, designed for machining bars or parts made of aluminium, PVC or steel up to 2 mm. 10-place tool magazine, with one angle machining head and a side milling cutter. The electrospindle can continuously rotate to from 0° to 180° to perform the work on the profile edge. Works bars up to 4m (X4) and 7.6m (X6) length. HP version enable the vices to be positioned in concurrent operation time when the machining centre is running in double mode. It is equipped with a movable work plane for easier loading/unloading, increasing the machinable section. Industry 4.0 ready.

*COMET **R***

*COMET **S***

*COMET **X***

- *COMET **R4***
- *COMET **R4I***
- *COMET **R6I***
- *COMET **R6HP***
- *COMET **S4***
- *COMET **S4I***
- *COMET **S6I***
- *COMET **S6HP***
- *COMET **X4***
- *COMET **X6***
- *COMET **X6HP***

COMET **R**

R4

+ 5-AXIS CNC CABINET
+ UP TO 11 KW ELECTROSPINDLE WITH RIGID TAPPING
+ 24‘‘ TOUCHSCREEN MONITOR WITH INTUITIVE HMI

R4 I

+ 5-AXIS CNC CABINET
+ UP TO 11 KW ELECTROSPINDLE WITH RIGID TAPPING
+ INDEPENDENT MOTORIZED VICES

R6 HP

+ 5-AXIS CNC CABINET
+ UP TO 11 KW ELECTROSPINDLE WITH RIGID TAPPING
+ DYNAMIC DOUBLE OPERATION
+ 2 ADDITIONAL AXES FOR VICES POSITIONING

R6 I

+ 5-AXIS CNC CABINET
+ UP TO 11 KW ELECTROSPINDLE WITH RIGID TAPPING
+ CUT AND SEPARATION
+ INDEPENDENT MOTORIZED VICES

COMET **S**

S4

+ 4-AXIS CNC CABINET
+ UP TO 10.5 KW ELECTROSPINDLE WITH RIGID TAPPING
+ 24‘‘ TOUCHSCREEN MONITOR WITH INTUITIVE HMI

S4 I

+ 4-AXIS CNC CABINET
+ UP TO 10.5 KW ELECTROSPINDLE WITH RIGID TAPPING
+ INDEPENDENT MOTORIZED VICES

COMET **X**

S6 HP

- 4-AXIS CNC CABINET
- UP TO 10.5 KW ELECTROSPINDLE WITH RIGID TAPPING
- DYNAMIC DOUBLE OPERATION
- 2 ADDITIONAL AXES FOR VICES POSITIONING

S6 I

- 4-AXIS CNC CABINET
- UP TO 10.5 KW ELECTROSPINDLE WITH RIGID TAPPING
- CUT AND SEPARATION
- INDEPENDENT MOTORIZED VICES

X4

- 4-AXIS CNC CABINET
- 7 KW ELECTROSPINDLE WITH RIGID TAPPING
- WORKS BARS UP TO 4 M LENGTH
- 24'' TOUCHSCREEN MONITOR WITH INTUITIVE HMI

X6

- 4-AXIS CNC CABINET
- 7 KW ELECTROSPINDLE WITH RIGID TAPPING
- WORKS BARS UP TO 7,6 M LENGTH
- MULTI-PIECE OPERATION

X6 HP

- 4-AXIS CNC CABINET
- 7 KW ELECTROSPINDLE WITH RIGID TAPPING
- WORKS BARS UP TO 7,6 M LENGTH
- DYNAMIC DOUBLE OPERATION

PHANTOMATIC **X4**

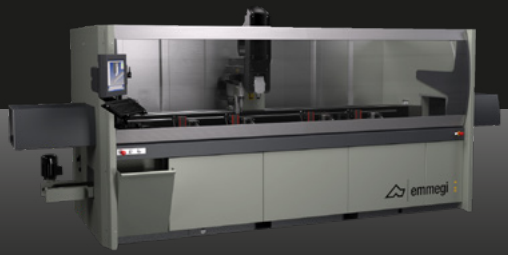
4-axis CNC machining centre for aluminium, PVC and steel pieces up to 2 mm. 8 place tools store, with 2 angular units and one milling disc. Machines bars up to 4 m in length. The electrospindle continuously rotate from 0° to 180°. It also has a mobile work surface that facilitates loading/unloading operation and increases the workable section. Industry 4.0 ready.

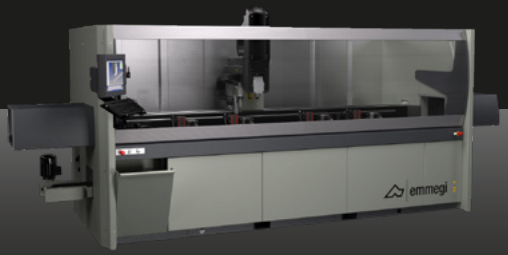
+ 4-AXIS CNC CABINET
+ 7 KW ELECTROSPINDLE WITH RIGID TAPPING
+ OVERSIZE MACHINING
+ WORKING ON 5 SIDES OF THE PROFILE

PHANTOMATIC **X6**

4-axis CNC machining centre for aluminium, PVC and steel pieces up to 2 mm. Machines bars up to 7.7m length. HP version has 2 supplementary axes to position the vices and the reference stops allowing to work in dynamic pendular mode. 8 place tools storage with with 2 angular units and one milling disc. Industry 4.0 ready.

+ 4-AXIS CNC CABINET
+ 7 KW ELECTROSPINDLE WITH RIGID TAPPING
+ DOUBLE MODE OPERATION (HP)
+ WORKING ON 5 SIDES OF THE PROFILE





PHANTOMATIC **M3**

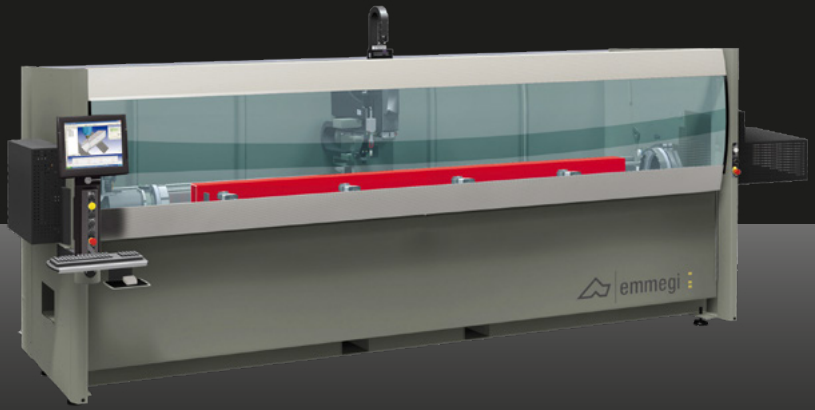
3-axis CNC machining centre for aluminium, PVC or steel up to 2 mm. Manual tool storage magazine with 9 places to which one or two additional automatic stores with 4 places can be added at the sides of the machine. Movable work plane for easier workpiece loading/unloading; this also allows considerable increase in the machinable section. Industry 4.0 ready.

+ 3-AXIS CNC CABINET
+ 4 KW ELECTROSPINDLE
+ OVERSIZE MACHINING
+ AUTOMATIC POSITIONING VICES

PHANTOMATIC **M4L**

4-axis CNC machining centre for aluminium, PVC or steel up to 2 mm. Manual 9-places tool magazine and an automatic 4-station tool magazine located on the left side. An optional second automatic 4-station tool magazine can be installed on the right side. Mobile work surface that facilitates loading/unloading operations and increases the workable section. Industry 4.0 ready.

+ 4-AXIS CNC CABINET
+ 4 KW ELECTROSPINDLE
+ AUTOMATIC TOOL STORE UP TO 8 PLACES
+ ERGONOMIC BAR LOADING



PHANTOMATIC ***T3***

Machining centre CNC with up to 4 controlled axes, used for the working of bars or aluminium, PVC, light alloys in general and steel pieces up to 3 mm. Automatically positioned vice unit. It has a 4 or an 8 place (optional) tools storage, with the possibility of hosting 2 angular units and one milling disc, to perform machining on the 5 sides of the piece. The presence of the continuous rotary work table (CN axis) allows you to work at any angle from - 90° to + 90° and on the two heads with double outlet angular unit, with the table at 0°. Industry 4.0 ready.

PHANTOMATIC ***T3 STAR***

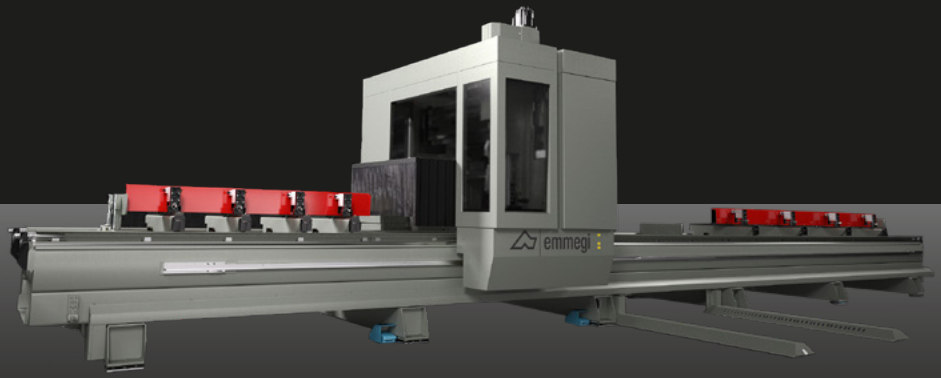
- 4-AXIS CNC CABINET
- UP TO 7,5 KW ELECTROSPINDLE
- AUTOMATIC POSITIONING VICES
- TILTING WORKING TABLE
- TOOL STORE WITH ANGULAR UNITS
- IDEAL FOR STEEL APPLICATIONS

PHANTOMATIC ***T3 S***

- 3 OR 4-AXIS CNC CABINET
- UP TO 7,5 KW ELECTROSPINDLE
- MANUAL VICE POSITIONING
- TILTING WORKING TABLE (OPTION)
- TOOL STORE WITH ANGULAR UNITS
- IDEAL FOR STEEL APPLICATION

PHANTOMATIC ***T3 A***

- 3-AXIS CNC CABINET
- UP TO 7,5 KW ELECTROSPINDLE
- AUTOMATIC POSITIONING VICES
- TOOL STORE WITH ANGULAR UNITS



DIAMANT

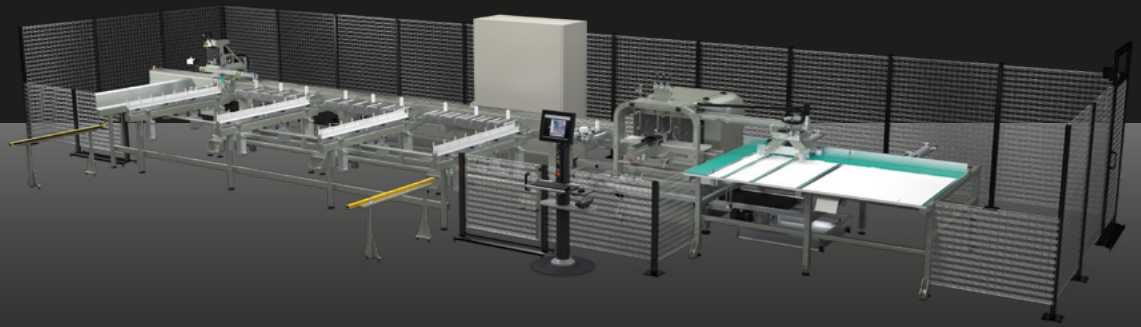
4-axis CNC machining centre with moving gantry structure. Designed for drilling, milling, thread cutting and cutting at angle any from 0° to 180° on bars or workpieces of aluminum, PVC and steel. 7,5 kW electrospindle with HSK-63F tool holder. 9-place tool magazine installed behind the moving gantry structure. The machine can be used in double mode. The gantry is provided with a guard that protects the operator and reduces the noise impact on the environment.

+ 4-AXIS CNC WITH MOVING GANTRY
+ 7,5 KW ELECTROSPINDLE
+ UP TO 20 TOOL STORE PLACES
+ DOUBLE MODE OPERATION

NANOMATIC 384S

Single-head copy router with 2 NC axes, ideal for machining aluminum profiles, PVC and steel up to 2 mm (stainless steel optional). The work cycle is managed by intuitive software which guides the operator through simple instructions. The 4-faced rotary work table increase working speed and precision. It also allows using shorter tools thus limiting to a minimum passing machining. Quick tool change ISO 30. Work area with pneumatic control protection.

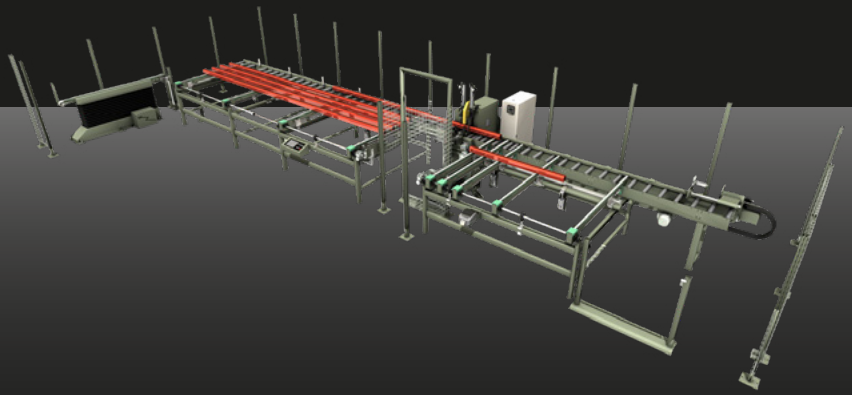
- 2-AXIS CNC
- WORKPIECE ROTATION IN 4 PRESET POSITIONS
- MANUALLY-REGULATED STOP DEVICES
- PNEUMATICALLY-CONTROLLED VICES



V-CUT

CNC cutting-off centre with 3 controlled axes, designed for cutting profiles made of aluminium, PVC, light alloys in general. V-Cut loads the extruded profile, cuts it and then unloads the finished workpiece, in a completely automatic way, without operator supervision. The powerful and versatile software allows managing predefined cutting lists, optimizing them to minimize waste. The head allows cutting at +/- 22°30' and intermediate angles. Industry 4.0 ready.

- 3-AXIS CNC CUTTING CENTRE
- FULLY AUTOMATIC CYCLE
- POSSIBILITY OF DOUBLE BAR CUTTING
- ELECTRONIC GRIPPER POSITIONING



VEGAPACK

90° cutting centre for aluminium profile bundles. The interconnected units allow a single operator to manage the entire work cycle. A motorized roller conveyor brings the bundle to the cutting unit, which carries out an initial trimming of the bundle and then the subsequent customized cutting. The roller conveyor can be equipped with a step-by-step accumulation-operated loader bench. The pieces cut from the bundle are evacuated by the unloading table roller conveyor. Industry 4.0 ready.

+ 90° CUTTING CENTRE
+ ALUMINIUM PROFILE BUNDLES
+ MOTORISED ROLLER CONVEYOR
+ BELT UNLOADING MAGAZINE FOR UP TO 5 BUNDLES OF MATERIAL

VEGAMATIC

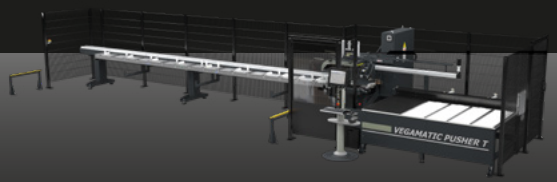
2-axis semi-automatic CNC cutting-off centre with horizontal blade feed designed for cutting aluminium, PVC, light alloys in general. It performs automatic cutting according to cutting lists. Cutting angle from 45° to 135° or from 22°30’ to 157°30’. Industry 4.0 ready.

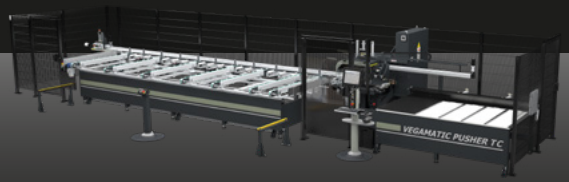
+ 2-AXIS CNC CUTTING CENTRE
+ 550 mm HORIZONTAL BLADE
+ INTEGRAL PROTECTION OF THE CUTTING AREA

VEGAMATIC PUSHER

2-axis semi-automatic CNC cutting-off centre with horizontal blade feed designed for cutting aluminum, PVC, light alloys in general.It performs automatic cutting according to cutting lists. Cutting from 45° to 135° or from 22°30’ to 157°30’. It can be fitted with customized horizontal and vertical drilling units. Industry 4.0 ready.

+ 2-AXIS CNC CUTTING CENTRE
+ 550 mm HORIZONTAL BLADE
+ AUTOMATIC SETTING OF THE CUTTING ANGLE
+ INTEGRAL PROTECTION OF THE CUTTING AREA





VEGAMATIC PUSHER T

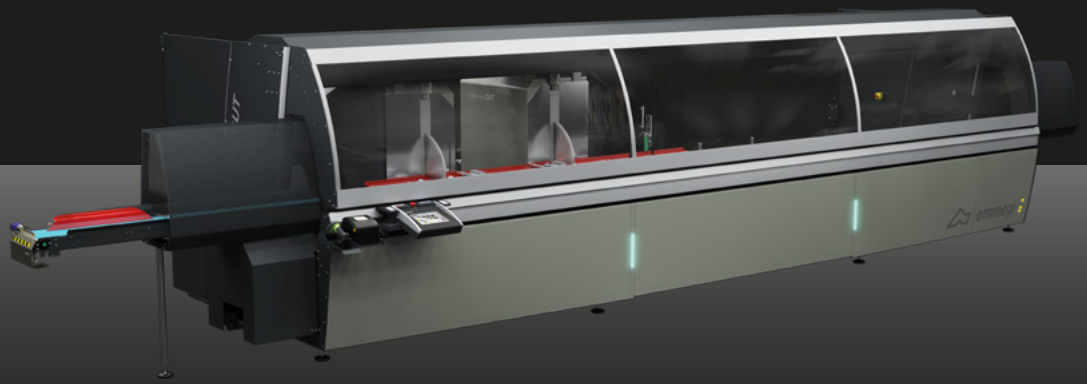
3-axis automatic CNC cutting-off centre with horizontal blade feed designed for cutting aluminium, PVC, light alloys. It performs automatic cutting according to cutting lists and beveled cut on both sides of the profile. Cutting from 45° to 135° or from 22°30’ to 157°30. Automatic unloading magazine on the opposite side. Industry 4.0 ready.

+ 3-AXIS CNC CUTTING CENTRE
+ 550 mm HORIZONTAL BLADE
+ AUTOMATIC STORAGE UNLOADING
+ INTEGRAL PROTECTION OF THE CUTTING AREA

VEGAMATIC PUSHER TC

3-axis automatic CNC cutting-off centre with horizontal blade feed designed for cutting aluminium, PVC, light alloys. It performs automatic cutting according to cutting lists and beveled cut on both sides of the profile. Cutting from 45° to 135° or from 22°30’ to 157°30’. Automatic bar feeder and automatic unloading magazine on the opposite side. Industry 4.0 ready.

+ 3-AXIS CNC CUTTING CENTRE
+ 550 mm HORIZONTAL BLADE
+ AUTOMATIC BAR FEEDER
+ AUTOMATIC STORAGE UNLOADING
+ INTEGRAL PROTECTION OF THE CUTTING AREA



COMPOUND ***CUT***

Twin-head cutting-off machine with 9 controlled axes which include the automatic movement of the mobile head, electronic management of two rotation axes of the cutting units, blade feed and vertical translation of the cutting units to maximize the work area. It allows reaching angles from 45° (internally) to 22°30’ (externally) on horizontal axis and from 0 to 45° on vertical axis with decimal cutting precision. The feed of 600 mm widia blades can be carried out on two axes, optimizing the cutting chart in the vertical direction, to cut profiles more than 500 mm in height and ensure an optimal adjustment of blade exit speed and stroke. The HS (High Speed) version has a higher speed X axis and all the protections required for automatic machining operations, also with the machine unattended. Industry 4.0 ready.

9 - AXIS CNC

FULLY ENCLOSED and SOUNDPROOFING CABIN

600 mm

WIDIA BLADES

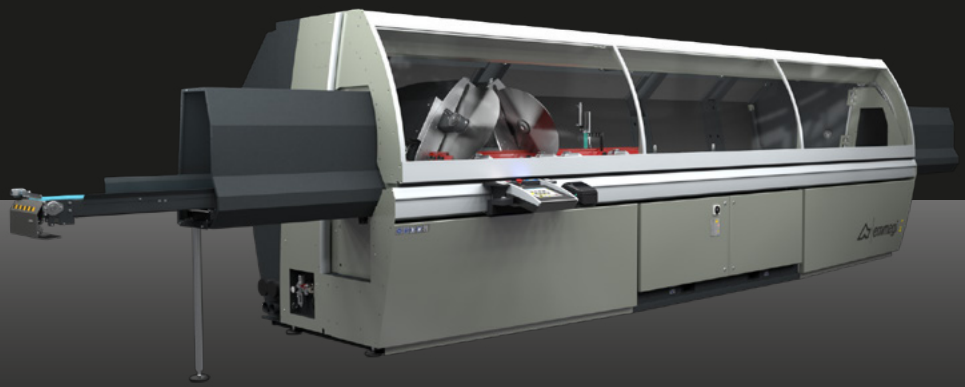
Ergonomic design for

EASY BAR LOADING

easy setting vice system

for profile clamping

TWIN-HEAD MACHINE for COMPOUND CUT



PRECISION ***RS - RSHS***

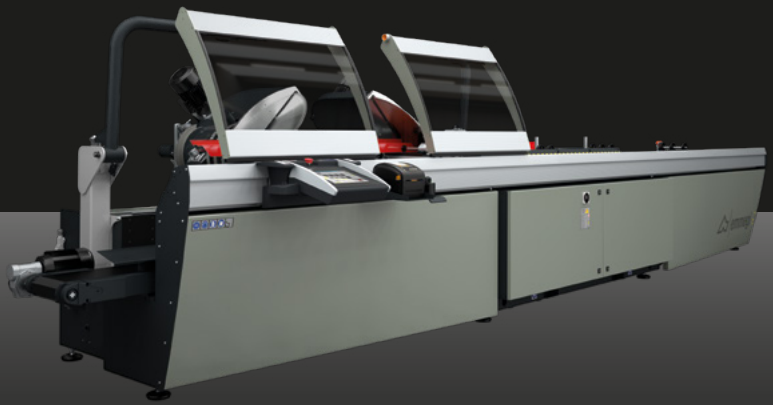
5-axis CNC twin head cutting machine for aluminum, PVC and light alloys, with electronic management of all angles from 22°30’ (internal) to 45° (external) with a resolution of 280 positions per degree. Two different blade-feed modes: standard feed, optimizes the cutting chart in the vertical direction; radial mode, produces wide working dimensions in the horizontal direction. Automatic fully enclosed cutting area and frontal access to the electric and pneumatic panel. Industry 4.0 ready.

- 5-AXIS CNC
- 600 mm BLADES WITH RADIAL CUTTING
- HORIZONTAL HOLD-DOWN DEVICES SYSTEM
- HIGHER SPEED X-AXIS (HS VERSION)

PRECISION ***T2 - T2E - T2E HS***

3 or 5-axis CNC twin-head cutting-off machine for aluminium, PVC and light alloys with electronic management of all 45° (internal) to 15° (external) angles, with a precision of 280 positions. In the basic version blade advancement is driven by a couple of hydro-pneumatic cylinders. In version E this advancement is managed by a couple of CN axes. 550mm-blade. Available with a useful cut of 5 m or 6 m in length. Industry 4.0 ready.

- + 3 OR 5-AXIS CNC
- + 550 mm BLADE
- + SOUNDPROOFED INTEGRAL PROTECTION CABIN
- + HIGHER SPEED X-AXIS (HS VERSION)



PRECISION ***TS2***

Twin-head cutting-off machine with 3 controlled axes with automatic movement of the mobile head and electronic management of all 45 ° (internal) to 15° (external) angles. Blades feed driven by hydro-pneumatic cylinders. 550 mm-blade. Available with a useful cut of 5 m or 6 m in length. Industry 4.0 ready.

- 3-AXIS CNC
- 550 mm BLADE
- AUTOMATIC LOCAL PROTECTION
- INTUITIVE TOUCH-SCREEN INTERFACE

PRECISION ***C2***

Twin-head cutting-off machine with 1-axis controlled (X-axis) with pneumatic tilting of the heads from 90° to 22°30’ outwards. The intermediate angles are managed by a mechanical stop. The blades progress by means of hydro-pneumatic cylinders. 550 mm blade. Available with a useful cut of 4 and 5 m in length. Industry 4.0 ready.

- \+ 1-AXIS CNC
- \+ 550 mm BLADE
- \+ AUTOMATIC LOCAL PROTECTION

COMBI

Electronic twin-head cutting-off machine with 3 or 5-axis for compound cuts. Motorized and electronically controlled rotation of the horizontal axis (22°30’ external and 45° internal) and the vertical axis (45° internal). 500 mm-blade Available with a useful cut of 4 or 6 m in length.

- \+ 3 OR 5-AXIS CNC
- \+ 500 mm BLADE
- \+ TWIN-HEAD MACHINE FOR COMPOUND CUT

RADIAL

Electronic Twin-head cutting-off machine with radial movement of the blades, automatic displacement of the mobile head and internal tilting up to 30°, designed to cut large-size profiles. 500 or 550 mm blade. Available with a useful cut of 4 or 6 m in length.

- \+ 1-AXIS CNC
- \+ 500 OR 550 mm BLADE
- \+ RADIAL CUTTING FOR WIDE PROFILES

NORMA

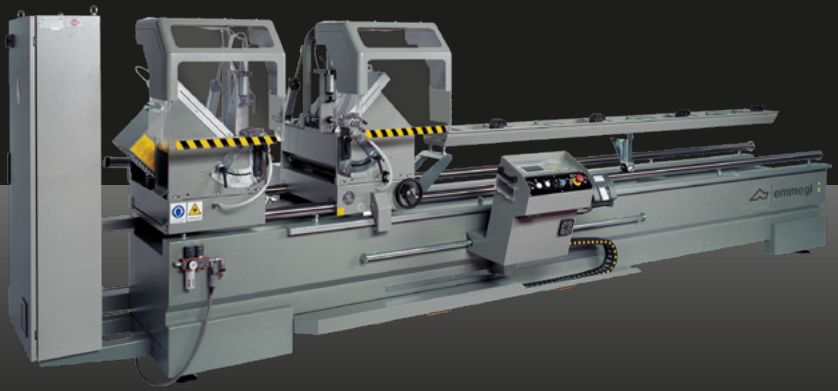
Electronic twin-head cutting-off machine with manual (NORMA VIS) or automatic movement (NORMA 2) of the mobile head. Manual rotation (45° left and right) and tilting (45° in relation to the horizontal axis) of the cutting units. 400 mm-blade available with a useful cut of 4 m or 5 m in length.

- 400 mm BLADE
- ERGONOMIC LOADING
- EASY TO USE

TWIN FERRO

Twin-head cutting-off machine for cutting steel and stainless-steel profiles. The machine is capable of setting the angular positions of both cutting heads at - 45° / 0° / + 45° in addition to all the angular settings about the vertical axis, with an accuracy on each degree of 240 positions. Available with a useful cut of 5.2 m in length.

- 1-AXIS CNC
- 350 mm BLADE
- STURDY DESIGN
- STEEL AND STAINLESS STEEL APPLICATIONS



CLASSIC - DOPPIA

Electronic Twin-head cutting off machine with manual (CLASSIC VIS) or automatic movement of the mobile head through a C.C. motor and pneumatic management of all angles up to 22°30’ (external), according to the model. 450 or 500 mm-blade. Equipped with an industrial computer for an optimal viewing of the cutting lists (CLASSIC STAR). Available with a useful cut of 4, 5, 6 m in length. Useful cut of only 5m in legth for DOPPIA LIBRA and DOPPIA MAGIC.

CLASSIC STAR

- 1-AXIS CNC
- 450 OR 500 mm BLADE
- DIGITAL VIEWER FOR INTERMEDIATE ANGLES
- STURDY DESIGN
- INDUSTRIAL PC

CLASSIC VIS

- 1-AXIS CNC
- 450 OR 500 mm BLADE
- STURDY DESIGN
- X AXIS DIGITAL VIEWER

CLASSIC LIBRA - DOPPIA LIBRA

- 1-AXIS CNC
- 450 OR 500 mm BLADE
- DIGITAL VIEWER FOR INTERMEDIATE ANGLES
- STURDY DESIGN
- LIBRA PLC CONTROL

CLASSIC MAGIC - DOPPIA MAGIC

- 1-AXIS CNC
- 450 OR 500 mm BLADE
- DIGITAL VIEWER FOR INTERMEDIATE ANGLES
- STURDY DESIGN
- MAGIC PLC CONTROL

AUTOMATICA ***ER***

Single head rising blade machine for 90° cutting. It can be set up with four different diameter blades, the blade feed is N/C electrical driven. It can be provided with inverter, to control the blade rotation speed for the best adjustment. It can be equipped with an automatic bar loading magazine and with custom drilling units. Industry 4.0 ready.

+ IDEAL FOR INDUSTRIAL APPLICATION
+ 350, 450, 550, 650 mm BLADE
+ REPEATABLE AND RELIABLE CUT
+ AUTOMATIC BAR LOADING

SCA/ ***E***

Single-head, rising blade cutting-off machine, with N/C automatic rotation of the vertical axis and hydraulic tilting of the horizontal axis. Cutting with angular settings from 90° to 22°30’ (left and right) on the vertical axis and from 90° to 35° (right only) on the horizontal axis. Equipped with digital position display for the horizontal axis.

+ 650 mm BLADE
+ COMPOUND CUT
+ WIDE CUTTING DIAGRAM
+ STURDY AND ERGONOMIC DESIGN

FIX

Single-head, rising blade cutting-off machine for large sections. Designed for cutting at 90° only.

- \+ 650 mm BLADE
- \+ WIDE CUTTING DIAGRAM
- \+ STURDY AND ERGONOMIC DESIGN

*SCA - SCA **MINI** P*

Single-head, rising blade cutting-off machine, with left loading side, able to perform cuts from 20° left to 20° right (SCA) or from 15° left to 15° right (SCA MINI P) and intermediate angles.

- \+ 400 (SCA MINI), 450, 500, 550 (SCA) mm BLADE
- \+ ADJUSTABLE BLADE SPEED ROTATION
- \+ COMPATIBLE WITH ELECTRONIC STOP GAUGE SYSTEM
- \+ USER-FRIENDLY AND INTUITIVE CONTROL

VEGA

Single-head cutting-off machine with horizontal blade feed and left loading side, pneumatic Twin side tilting of the cutting head in fixed positions: 45° to the left, 90°, 45° and 22°30’ to the right. A special positive stop also allows cutting at intermediate angles.

- 450 OR 550 mm BLADE
- INTERMEDIATE ANGLES MECHANICAL STOPS
- HORIZONTAL CLAMPING SYSTEM

MSP

Single-head, descending blade cutting-off machine with left loading side, rotation of the cutting head to 45° (left and right) and manual tilting by 45° referred to the horizontal axis.

- 400 mm BLADE
- MANUAL CUTTING
- ERGONOMIC DESIGN

M-S

Single-head, rising blade cutting-off machine designed for cuts at 90°, 45° left and right and intermediate angles.

- 300 mm BLADE
- MANUAL CUTTING
- VERTICAL AND HORIZONTAL VICES

RIFILA

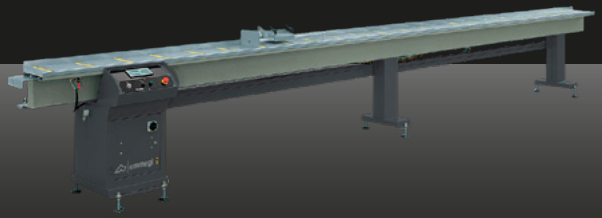
Single-head trimming machine with rising blade, for extruded profiles and flat sheets of aluminium. The especially rugged structure allows well defined and accurate cutting and ensures perfect parallelism between the profiles faces. Furthermore, it can be equipped with profile support roller conveyors to increase its versatility.

- 350 mm BLADE
- ADJUSTABLE STOP
- MAX TRIMMING HEIGTH 120 MM

300 B2

Portable single-head cutting off machine with upper table featuring a guide for workpiece trimming. Equipped with blade protection casing and tilting saw unit with inclination of up to 45° on the horizontal axis on the left side, and ranging from - 45° to + 45° on the vertical axis. It allows cutting at any intermediate angle.

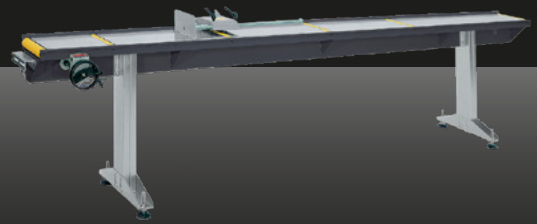
+ 300 mm BLADE
+ MANUAL BLADE FEED
+ HORIZONTAL VICES

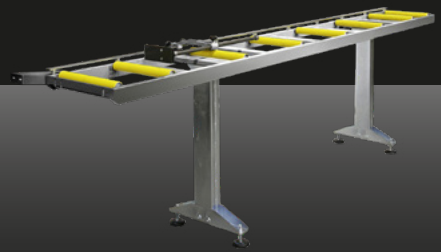


MICROBO

Measurement and profile support verification system with movement of the lock through C.C. motor and electronic encoder reading. Measurement repeatability tolerance ± 0.3 mm.

+ CUTTING LISTS MANAGEMENT
+ PNEUMATIC LIFTING WORKPIECE STOP
+ 2 LENGTHS VERSIONS AVAILABLE (7.200 - 4.200mm)
+ USB-PORT AND LAN RJ45





FERMO MV - VIS

Measurement and profile support verification system with positioning of the end stop using a handwheel and reading of the quota on the digital display screen. Positioning tolerance ± 0.5 mm.

+ MV DIGITAL VIEWER
+ VIS DIGITAL READER ALLOWS REPROGRAMMING POSITIONING
+ 2 LENGTHS VERSIONS AVAILABLE (5.780 - 3.780 mm)

INFEED ROLLER - OUTFEED ROLLER

Structure in steel tubular with adjustable feet and PVC-coated steel rollers. 3,500 mm-long roller conveyors with 240 mm rollers, or 4,000 mm-long with 440 mm rollers. Unloading roller conveyors equipped with metric rod and measuring lock.

+ SUITABLE TO BE CONNECTED TO ALL MT MACHINES
+ EASY INSTALLATION
+ STURDY DESIGN

MG-PROFESSIONAL EXHAUSTERS

Exhauster for aluminium, steel and PVC swarf and chips, designed for cleaning machines and the work environment or extract swarf from work units that require high vacuum values.

The use of a high-depression side duct turbine/venting system makes this products suitable for various extraction requirements.

Equipped with an anti-static filter, they can manage the extraction of aluminium, steel and PVC swarf and comes complete with a wheel mounted, quick release collection tank.

MG2-T

- 2,2 KW MOTOR POWER
- TURBINE VERSION WITH SILENCER
- N.1 SUCTION INLETS
- ANTI-STATIC BAG FILTER

MG8-T

- 5,5 KW MOTOR POWER
- TURBINE VERSION WITH SILENCER
- N.2 SUCTION INLETS
- ANTI-STATIC CARTRIDGE FILTER

MG8-TP

- 5,5 KW MOTOR POWER
- TURBINE VERSION WITH SILENCER
- N.2 SUCTION INLETS
- ANTI-STATIC CARTRIDGE FILTER
- AUTOMATIC START BY MACHINE

MG2-V

- 1,5 KW MOTOR POWER
- VENTING VERSION WITH SILENCER
- N.1 SUCTION INLETS
- ANTI-STATIC BAG FILTER
- AUTOMATIC START BY ELECTRICAL CONNECTION TO MACHINE

MG4-V

- 2,2 KW MOTOR POWER
- VENTING VERSION WITH SILENCER
- N.2 SUCTION INLETS
- ANTI-STATIC BAG FILTER
- AUTOMATIC START BY ELECTRICAL CONNECTION TO MACHINE

MG4-VP

- 2,2 KW MOTOR POWER
- VENTING VERSION WITH SILENCER
- N.2 SUCTION INLETS
- ANTI-STATIC BAG FILTER
- AUTOMATIC START BY MACHINE

LILLIPUT

Horizontal end milling machine with manual (290 M, 300 M, 320 M) or electropneumatic (320, 320 INSO, 350 A INSO) feed and automatic machining cycle. Milling of intermediate angles, +45° / 90° / -45° (290 M only at 90°). Quick cutter change with pneumatic control. Scratch-proof work table. Fully guarded and sound-damped work zone with high internal visibility. High speed of tool rotation for improved quality machining on painted profiles and at intermediate angles. The automatically operated sound-damped tunnel available for INSO versions (L=1.100 or 2.000 mm) reduces the noise level emitted by the machine down to about 75 dB (only in mitre milling at 90°).

LILLIPUT 350 A INSO

+ SOUND-PROOF TUNNEL
+ 2,2 KW MOTOR WITH INVERTER
+ ELECTRO-PNEUMATIC FEED
+ 350 mm STROKE
+ PROFILE SUPPORT ROLLER CONVEYOR

LILLIPUT 320 INSO

+ SOUND-PROOF TUNNEL
+ 1,5 KW BRAKE MOTOR
+ 320 mm STROKE
+ PROFILE SUPPORT ROLLER CONVEYOR

LILLIPUT 320

+ 1,5 KW BRAKE MOTOR
+ 320 mm STROKE
+ PROFILE SUPPORT ROLLER CONVEYOR
+ AIR BLAST FOR CLEANING VICES SURFACE

LILLIPUT 320 M

+ 1,5 KW BRAKE MOTOR
+ 320 mm STROKE
+ PROFILE SUPPORT ROLLER CONVEYOR
+ MANUAL FEED

LILLIPUT 300 M

+ 1,1 KW BRAKE MOTOR
+ 300 mm STROKE
+ MANUAL FEED

LILLIPUT 290 M

+ 1,1 KW BRAKE MOTOR
+ 290 mm STROKE
+ MANUAL FEED

COPIA 384 S

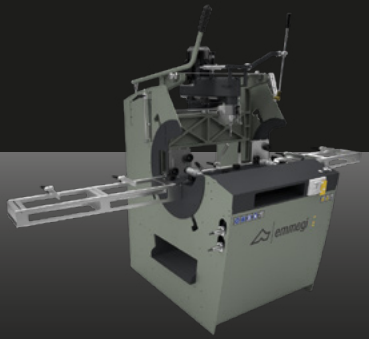
Single-head manual-control copy router with pneumatic locking system and head traversing movement controlled by an indirect lever. Ability to work steel up to 2 mm and stainless steel (optional) up to 2 mm. Equipped with a rotating surface vice table system, the machine works 4 profile faces performing a rotation of 270° to 90° sectors.

+ 1,1 KW MOTOR WITH INVERTER
+ WORKPIECE ROTATION
+ RAPID TOOL CHANGE
+ FOR ALU AND STEEL APPLICATIONS

COPIA 384

Manually controlled single-head copy router with pneumatic vices and traverse of the cutting head with indirect lever. The tool rotation speed can be modified with electronic variable speed drive to allow machining on steel up to 2 mm, as well as to improve quality of milling and longer tool life. Scratch-proof work table.

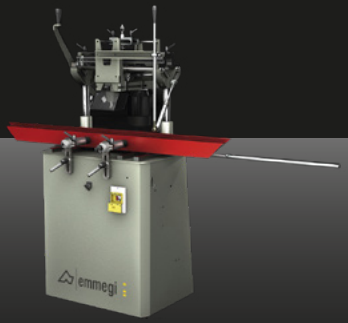
+ 1,1 KW MOTOR WITH INVERTER
+ FIXED WORKPIECE POSITION
+ RAPID TOOL CHANGE
+ FOR ALU AND STEEL APPLICATIONS



COPIA 324

Single-head copy router with manual down feed. Manually controlled single-head copy router with pneumatic viceing and traverse of the cutting head with indirect lever. Predisposition for performing through machining operations on aluminium without turning the workpiece. Scratch-proof work table. Pneumatic stylus with control on the handle.

- \+ 1,1 KW MOTOR
- \+ FIXED WORKPIECE POSITION
- \+ INDIRECT HEAD TRANSLATION LEVER
- \+ ONLY FOR ALU APPLICATIONS



COPIA 314 S

Manual single-head copy router with long vertical travel and traverse of cutting head with handle or indirect lever. Through machining operations can be performed without turning over the workpiece. Manually controlled stylus.

- \+ 0,75 KW MOTOR POWER
- \+ FIXED WORKPIECE POSITION
- \+ HORIZONTAL VICES
- \+ ONLY FOR ALU APPLICATIONS

ROTOLIMA

Rotary disc filing machine for aluminium, with cutting on 2 faces, provided with goniometer and stop. Scratch-proof work table.

- + 0,75 KW MOTOR
- + SMALL FOOTPRINT
- + ERGONOMIC DESIGN

ITACA / ITACA PLUS

The machine is foreseen for the assembling of aluminium windows and doors through crimping technology. The assembling is carried out through crimping of two parts of profile forming a corner on the specially shaped corner key. The machine is pneumatic (Itaca) or electro-pneumatic (Itaca Plus). Easy to use and versatile.

- + SUITABLE FOR DOORS, WINDOWS AND FACADES
- + EASY ADJUSTMENT PUNCHING UNIT
- + ELECTRO-PNEUMATIC CONTROL (PLUS)

ITACA SOLUTION

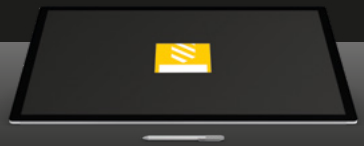
Crimping machine for closing corners of aluminium profiles for doors, windows and facades. The machine is controlled by an electronic system capable of storing the crimping coordinates. This information is required by the management system for the automatic positioning of the profile reference fork and crimping tools. The fork and tools position themselves automatically.

+ SUITABLE FOR DOORS, WINDOWS AND FACADES
+ AUTOMATIC FORK AND TOOLS POSITIONING
+ STURDY AND RELIABLE DESIGN


Admin
home
configuration
reports
production
scheduler
monitor
designer
zoomer
HELP
Vista
Synoptic
Operators
Jobs
Layers
layout1
Jobs
opened today:
closed today:
Avanzamento
items:
qualità:
Workstations
productive:
non-productive:
on alarm:
unused:
Users
connected:
Precision TS2
Stefano Verdi
CGM-100HR
CGM01-II
Mario Rossi
1632-2+2S
Manual mounting workstation
Giovanni Verdi
ITPWI
Manual assembly workstation
Antonio Bianchi
CELMJ-X30
Offline
Online
Stato di ON
Stato di READY
Stato di SETUP

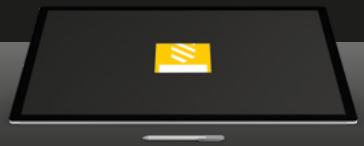
SOFTWARES FOR MACHINING AND CUTTING CENTRES

For Machining Centres management, Emmegi has a broad range of software: CAMplus, Shape, DriverCL, DriverCAD, Simu-X, Time-X, Mac-X; complementary and integrated with each other. The software listed above allow you to quickly define all machining that needs to be carried out on the workpiece and move on to the production phase in just a few minutes and in a simple and intuitive manner thanks to a user-friendly interface. More specifically, CAMplus allows you to program machining graphically in 3D, visualising the profile and the tool. The software includes the most recurrent figures (holes, slots, rectangles, etc.) that can be broadened with Shape, which allows defining any tool path. For those who work in the door and window frames field, CAMplus is fully integrated with the FP Pro program by Emmegisoft and is interfaced with the most common software on the market by means of DriverCL. For designers who use CAD 3D programs (Autodesk Inventor, SolidWorks, etc.), DriverCAD allows recognizing the machining automatically, with a significant reduction of the programming time and the error rate. CAMplus, DriverCL and DriverCAD additional modules simplify the connection between office and workshop. SolidCut is a specific driver CAD for cutting machines; with this office software we can import single, multiple or assembled step files. The profile code and other informations like length and cut angles can be automatically recognized generating a cutting list to send at the machine. Suitable for Compound Cut, Precision R-T2-TS. Simu-X is the tool proposed for graphic, real and 3D simulation of the work plan. It allows you to verify, in advance of the execution on the machine, the behavior of the machine itself during the machining of the workpieces, checking the correct setting of the milling, drilling and cutting operations, as well as checking the collisions with the vices and/or the workpiece. Time-X is the tool proposed for estimation and allows calculating in advance the workpiece machining time. MAC-X is a web-based software that allows viewing and monitoring the production activities carried out by one or more automatic machines and/or manual stations in real time and getting a complete reporting of the production cycle. All these software are then completed, on the machine, by the operator interface, HDrill and Drill, simple and clear, which provide, in an immediate and efficient way, all the information necessary to use the machine.



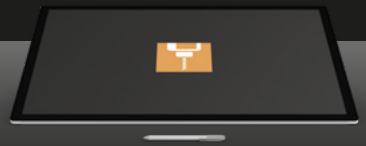
HDRILL

Next-generation operator interface, specifically designed for large, vertically-oriented monitors, optimised for use with touch screens.



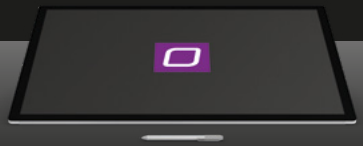
DRILL

Simple and intuitive operator interface.



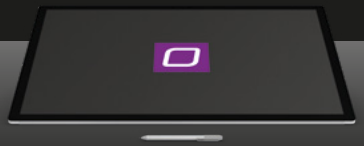
*CAM**PLUS***

Specific 3D CAD/CAM system for programming Emmegi machining centres, it is characterised by extremely high performance integrated in a user-friendly interface. The programming of the machining operations is based on a graphic environment with 3D visualisation.



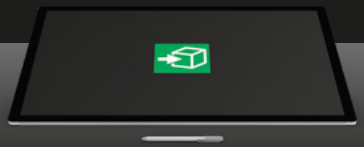
SHAPE

Born as a tool for the programming of special shapes, today Shape has evolved adding to the basic performance the management of special tools such as flow drill, creator, thriller, screw tap bit.



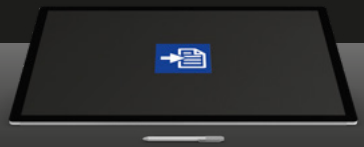
*SHAPE **3D***

Available for 5-axis machining centres, Shape 3D adds to Shape's features the ability to work on curved profile faces, using 5-axis continuous milling functions.



DRIVER **CAD**

The software to import “STEP” and “ACISSAT” formats from CAD-3D programs, such as Autodesk Inventor, Solidworks, etc.

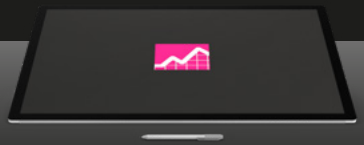


DRIVER **CL**

The software that interfaces with window/door software, management software and CAD/CAM software.

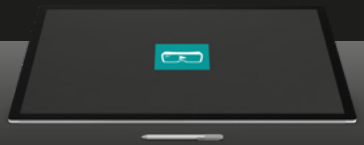
SOLID **CUT**

Driver CAD for cutting machines to import multiple or single step files.



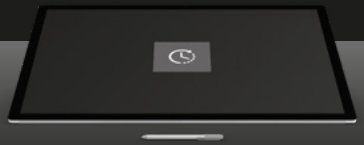
***MAC**-X*

Web software for displaying in real-time and monitoring the production activities carried out by one or more automatic machines and/or manual work stations.



***SIMU**-X*

Graphic, 3D and work cycle simulator. It allows the detailed simulation of the workpiece program with verification of the collisions between operating unit (tool, spindle, structure) and the clamps.



***TIME**-X*

TIME-X is the estimation tool, available in the CAMPLUS suite, to calculate the piece machining time in advance. For machines that work with pre-cut pieces, TIME-X will estimate the machining time of the piece or pieces loaded in a work zone.

emmegi.com