



P527 | P529 PREMIUM



AL PVC

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CNC machining center with 5 controlled axes, designed to perform milling, drilling, threading, cutting and end milling operations on bars or workpieces, even large ones, made of aluminium, PVC, light alloys and steel. Choose your machining center to your specific needs, guaranteeing flexibility and maximum efficiency!

Two versions are available, 7mt and 9mt with two different working modes: a single working area or the pendulum mode with two independent working areas offering customized solutions to maximize productivity.



The electro spindle with 11 kW power in S1 and HSK-F63 cone attachment allows even heavy-duty machining such as that typical of the industrial sector. The combination of unlimited movements of the A and C head axes allows the electro spindle to position itself at any angle. From +/- 90° for the A-axis to +/- 320° for the C-axis, freedom of movement is the key to amazing results. The center has an integrated 16-position rotating magazine on the carriage with the ability to store standard milling cutters and disk milling cutters with a maximum diameter of 180 mm. The 450 mm blade tool with HSK-F63 cone connection, housed separately in a dedicated magazine, takes advantage of the 5 interpolated axes of the electro-head to perform compound cuts, straight cuts, end milling and trimming operations. Depending on the length, the center can be configured with 8 or 12 automatic clamps. The arrangement along the X-axis is a key feature of these centers. Each clamp operates independently, allowing extraordinary precision during machining. This system offers incomparable flexibility in workpiece positioning and machining. A remarkable feature of these centers is the ability to

perform profile head machining after cutting and separating the parts. This means that the machine can continue working even after the main cutting phase, significantly increasing the overall efficiency of the production process.

THE ADVANTAGES OF THE PREMIUM VERSION:

In addition to what is already present in the Essential version, the Premium version is enriched with interesting solutions, here we highlight some of them.

- > On the clamps there is an **additional support** that lengthens the support surface.
- > The entire movement system of the clamps, managed by **pipe-holder chains**, is inserted inside the base. This eliminates any type of obstruction on the bed surface, facilitating the extraction of chips and scraps deriving from cutting operations.
- > **The tool length measuring device**, integrated into the machine software, is crucial in industries where accuracy is critical. This is essential to ensure that operations are carried out with the highest possible precision and speed, directly affecting the quality of the work
- > **The grease distribution system** plays a vital role in ensuring that the recirculating ball guides run smoothly. Proper grease application reduces friction, minimizes wear and improves the overall efficiency of the machine.

