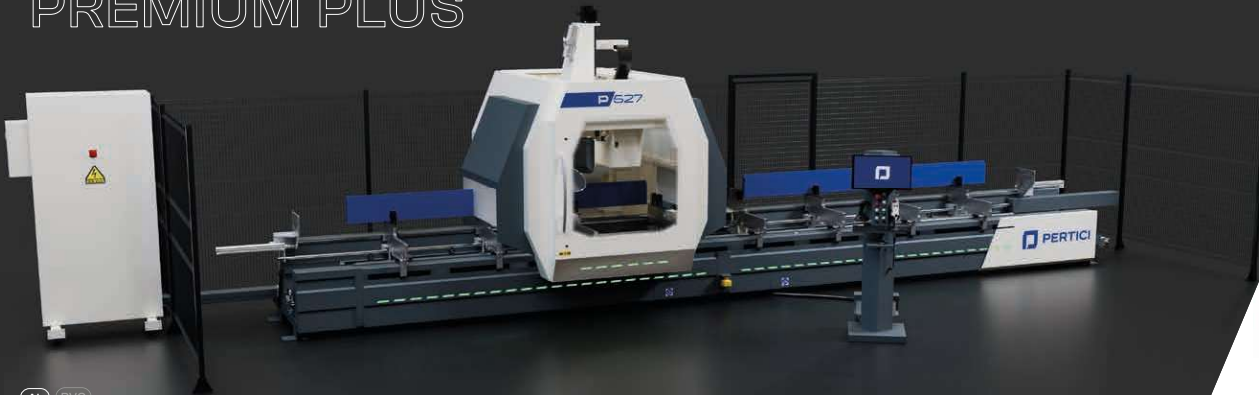




P527 | P529 PREMIUM PLUS



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CNC machining center with 5 controlled axes, designed to perform milling, drilling, rigid threading, cutting and end milling operations on bars or workpieces, even large ones, in aluminium, PVC, light alloys in general 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 encoder is a powerful solution in the industrial sector. With a power output of 11 kW in S1 and the HSK-F83 cone connection, it is able to deal with heavy machining with great efficiency. The encoder, a key component of the electrospindle, ensures the highest rotation accuracy. Some machining operations require low speed, such as milling with large tools or rigid tapping. The encoder proves to be a reliable helper even in these situations, guaranteeing the rotational stability that is essential for precise results. The combination of unlimited movements of the A and C head axes allows the electro spindle to position itself at any angle. From $\pm 90^\circ$ for the A-axis to $\pm 320^\circ$ 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 accommodate standard milling cutters and disc 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, exploits 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 PLUS VERSION:

In addition to what is already present in the Premium version, and in addition to the **electrospindle** already mentioned in the description, the Premium Plus version is enriched with interesting solutions. Here are some of them.

- > The machine has a **fast 120 m/min X-axis**, an interesting solution that improves the cycle of the workpiece.
- > The internal cleaning of the machine is entrusted to a **chip conveyor belt** (optional). This component plays an important role in keeping the machine in perfect working condition, ensuring a longer service life.
- > One of the distinguishing features is the special **clamps absolute encoder**. This isn't just a technical detail: it's the key to achieving maximum positioning accuracy. With this encoder, you can be sure that you know the position of the clamps at all times, ensuring perfect machining.

