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**Product code:** PROCUT145CNC-PAK-SP125HY-7.5

**Status:** News

Package equipped: • device SPARTUS® ProCUT 125CNC • **Handy plasma torch SPARTUS® 125HY 7.5m with toolbox (free consumables kit)** • Air filter with the pressure control • 3m work clamp • gas hose • user's manual

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### Product description

# ProCUT 145CNC – MODERN PLASMA CUTTER WITH A MAXIMUM CUTTING THICKNESS OF 60MM



The SPARTUS® ProCUT 145CNC is a technologically advanced plasma cutter that sets new standards in the field of precision cutting of metals and other conductive materials. This device is an ideal solution for demanding industrial applications, offering a maximum cutting thickness of an impressive 60mm. Thanks to its three-phase 400V power supply, this cutter is suited for intensive use in various industrial conditions.

A key advantage of the SPARTUS® ProCUT 145CNC is its integrated CNC control socket, making it ideal for applications requiring high precision and repeatability of cuts. The use of the latest technology has allowed for exceptional cutting quality with a cutting current of 125A, which, at a 100% duty cycle, guarantees reliability and efficiency even in the most demanding projects.

The cutter is equipped with an innovative system for initiating the pilot arc without the use of high frequency (HF), which ensures excellent cutting quality and minimizes the wear of consumable parts, contributing to the longer lifespan of the device. Additionally, the advanced control panel with an LCD display allows for easy and intuitive adjustment of cutting parameters, including smooth adjustment of the cutting current and setting of the optimal pressure.

For even greater usability flexibility, the SPARTUS® ProCUT 145CNC offers a 2T/4T mode switch, allowing the operator to adjust the working method to the specific ta

In the SPARTUS® ProCUT 145CNC, there are three main operating modes available, catering to different user needs: standard cutting, gouging, and intermittent cutting.



STANDARD CUTTING is the basic mode in which the plasma stream continuously cuts through the material, allowing for quick and precise cutting of metal or other conductive materials into the desired shape and size. It is the most commonly chosen option for work requiring smooth and even cutting edges.



GRID CUTTING is a specialized mode of operation that is particularly useful for cutting materials with irregular surfaces, such as mesh. Thanks to this feature, the cutter is capable of maintaining a stable plasma arc even in cases of interruptions in contact with the material. This allows for continuous cutting without the need to manually reignite the arc at every interruption, which is a common challenge when processing meshes and similar materials. The use of intermittent cutting mode significantly facilitates and speeds up the cutting process, while also minimizing the risk of damage to the device due to frequent arc extinguishing and reignition. This solution significantly increases work efficiency, enabling smooth and effective cutting even in the case of complex and demanding tasks.



GOUGING is an advanced technique that allows for the creation of grooves or notches of a specified depth in materials. This mode is particularly useful in preparing joints for welding, enabling precise and controlled removal of material or defective welds. Gouging ensures the material is prepared for further welding work, increasing the efficiency and quality of the final product.



The ProCUT 145CNC is a professional device that finds application in manufacturing sectors, heavy industry, and as a reliable source for CNC plasma tables. The SPARTUS® ProCUT 145CNC represents a unique proposition for all those seeking an efficient and precise solution in the realm of plasma cutting.

## Technical parameters

<b>Input</b>	~3× 400V ± 10% 50 / 60 Hz
<b>Cutting current [A]</b>	20 - 125
<b>Max. cutting thickness [mm]</b>	60
<b>Duty cycle [%]</b>	100
<b>Output working voltage [V]</b>	88 - 125
<b>Recomended work pressure [bar]</b>	3,5 - 6
<b>Contactless pilot arc ignition</b>	without HF

<b>2T/4T control</b>	✓
<b>Power factor (cosφ)</b>	0,7
<b>Insulation class</b>	H
<b>Protection class</b>	IP21S
<b>Weight [kg]</b>	36
<b>Dimensions [mm]</b>	800 x 260 x 495

PRODUCT CATEGORIES: [MACHINES](#), [PLASMA](#)

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