

SPARTUS PROMETEUS CNC TABLE



SPARTUS®

■ SPARTUS Prometeus CNC Table

is a modern and precise thermal cutting device designed specifically for plasma cutting operations. Built with robust components, featuring the intuitive F2300A controller, and offering high-precision motion guidance, the table ensures professional cutting results—both in small-scale workshops and large industrial production lines.

DESIGN AND CONSTRUCTION

The SPARTUS Prometeus table features a heavy-duty, durable frame made of closed steel profiles, ensuring rigidity and stability during operation. High-precision linear guides are used on both the X and Y axes, enabling smooth and accurate movement of the cutting assembly. The water table allows the work area to be flooded, effectively reducing dust, smoke, and spark emissions during cutting.

CONTROL SYSTEM

At the heart of the SPARTUS Prometeus CNC table is the F2300A controller – an advanced control unit dedicated to cutting operations. The device features a 10.4-inch high-resolution (800×600 px) color LCD display and an integrated membrane keyboard for comfortable and intuitive operation. Thanks to its robust steel casing, the F2300A controller performs exceptionally well in demanding industrial environments.

Key features of the F2300A controller:

- Supports G-code in TXT, NC, MPG, and B3 formats.
- Automatic return to origin.
- On-panel scaling, rotation, and positioning of part layouts.
- Cutting path preview (Trace Preview).
- Functions for pause, resume, step-back, and restart after power loss.





TECHNICAL SPECIFICATIONS



PARAMETER	VALUE
Working area	1500x3000mm
Drive system	Panasonic Servo Motor
Drive ratio	Rack and pinion / linear bearings
Maximum load capacity	1500 kg
THC controller	Yes
Limit switches	Yes
Maximum cutting thickness	Depends on the selected power source
Controller type	F2300A
Number of controlled axes	3 axes
Positioning accuracy	±0,002 mm
Maximum cutting speed	15 000 mm/min
Supported file formats	G-code, CAM: FastCAM, SmartNest, IBE
Supported languages	Polish, English, French, Portuguese, Russian
Display	10.4" LCD, 800×600
Internal memory	256 MB
Power consumption (min.)	≥80 W
Operating temperature	5°C do +60°C
Operating humidity	0–95% (non-condensing)
Cutting modes	Plasma, Marker, Demo
Shape library support	Yes – 49 built-in patterns
Automatic functions (e.g. return to origin, pause, demo)	Yes

OPERATION AND START-UP

The CNC table is ready for operation after completing a basic initialization procedure:

- Powering on and axis calibration.
- Selecting the appropriate cutting program.
- Loading the material and setting the starting point.
- Adjusting cutting parameters (torch height, speed, torch type).
- Starting the cutting process from the control panel or automatically according to the program.

The F2300A controller also allows for quick return to the home position, path backtracking, and restarting of interrupted cutting operations.

CAPABILITIES AND APPLICATIONS

The SPARTUS Prometheus table is suitable for a wide range of industrial applications:

- Cutting sheet metal (mild steel, stainless steel, galvanized, aluminum).
- Manufacturing steel structures, machine components, decorative elements.
- Depending on the plasma source and cutting nozzle used, the table enables precise cutting of sheets of various thicknesses — from thin parts to thick steel plates.

FASTCAM SOFTWARE

The SPARTUS Prometheus CNC table comes with FastCam software, designed for preparing files for plasma cutting. The program allows for easy creation and editing of vector drawings and automatic optimization of cutting paths. With its intuitive interface and advanced features, FastCam significantly speeds up the production preparation process, minimizes errors, and increases work efficiency.

RECOMMENDED SPARTUS POWER SOURCES

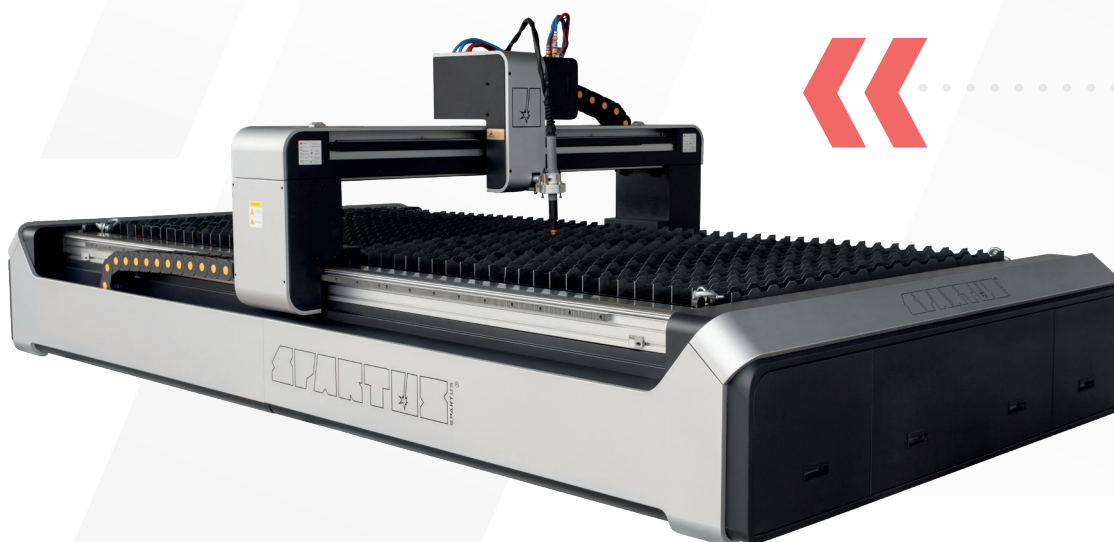
ProCUT
85CNC



ProCUT
125CNC



ProCUT
145CNC



The SPARTUS Prometheus CNC table is an advanced tool for demanding users who require reliability, precision, and extensive configuration options. Thanks to the F2300A controller, compatibility with various plasma sources, and robust construction, this machine is an excellent choice for automating sheet metal cutting processes across a wider range of industrial sectors.

