

Power requirements

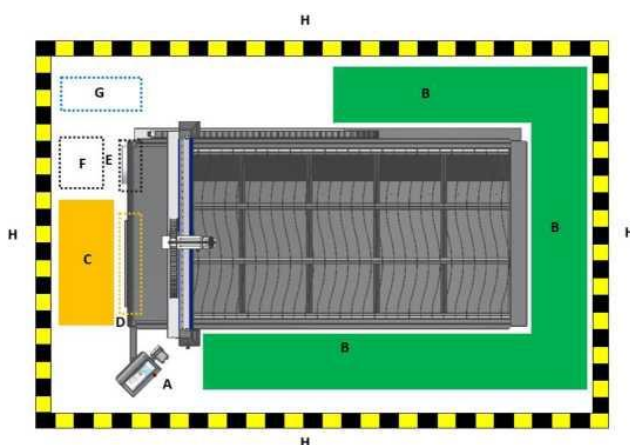
The plasmas of the series GCS-P have two types of connections, both three-phase. See the [Technical specifications] to see the exact specifications of the model you have contracted. The switchboard must have the appropriate differential protection systems and a proper earthing connection.

Compressed air unit

Compressed air with a minimum pressure of 7 atm and a flow of 300 litres/m is needed. With a clean, dry air filtration system.

Correct location for the cutting table **GCS-P**

- The placement of the machine and its different accessories (plasma, turbine, etc.) is very important for the proper functioning of the machine.
- The **GCS-P** Table has been designed for use in workshops, manufacture, etc. In any event, it must be installed on flat, rigid, stable ground.
- Do not install this unit near sources of heat.
- Do not install this unit in environments with dust saturation.
- Operate the machine on ground that does not generate static electricity.
- The electrical installation must be properly earthed.
- When planning the definitive site for the machine, remember the space necessary for handling the material.



- A** – Control panel and orientation of the keypad and screen
- B** - Space for the operator and loading the material
- C** - Space for maintenance only
- D** - Location for the electronics cabinet
- E** – Gas extraction system output (This system must be aligned with the intake of the gas extraction system)
- F** - Gas extraction turbine
- G**- Plasma unit
- H** - Protection zone

Important: Mark the protection area around the machine with black and yellow tape on the ground.

Considerations and tasks prior to the installation of series **GCS-P** machines:

- 1.-The machine must be positioned according to the drawings and installed on flat, rigid and stable ground. It is advisable not to install the machine near others that produce vibrations.
- 2.-The electrical installation must be prepared according to the requirements in the table of electrical data. **Never switch on the machine before the technician has arrived or the guarantee will be cancelled.**

ELECTRICAL DATA OF THE MACHINE				
Machine	Consumption	Sección y N.º de conductores a 400V		Protection magnetothermic switch
		L1, L2, L3, N, PE	Socket	
GCS-P3015	12A*	5x2.5mm ²	3P+N+PE	16A

*This installation includes pre-installation for a turbine of 3kW.

ELECTRICAL DATA OF THE PLASMA				
Plasma	Consumption	Section and No. of conductors at 400V		Protection magnetothermic switch
		L1, L2, L3, PE	Socket	
85A*	25A	4x6mm ²	3P+PE	25A
105A*	29A	4x6mm ²	3P+PE	32A
125A*	38A	4x8mm ²	3P+PE	40A

*This data may vary depending on the specifications of the plasma.

- 3.-The customer will make the pneumatic connection to the machine. This must be prepared following the requirements in the following table.

COMPRESSED AIR FOR THE MACHINE			
Machine	Flow: l/min	Pressure: Bar	Connection
GCS-P3015	50	6-7 Bar	8mm

COMPRESSED AIR FOR THE PLASMA			
Plasma	Flow: l/min	Pressure: Bar	Connection
85-125A	200	6.5 Bar	8mm