

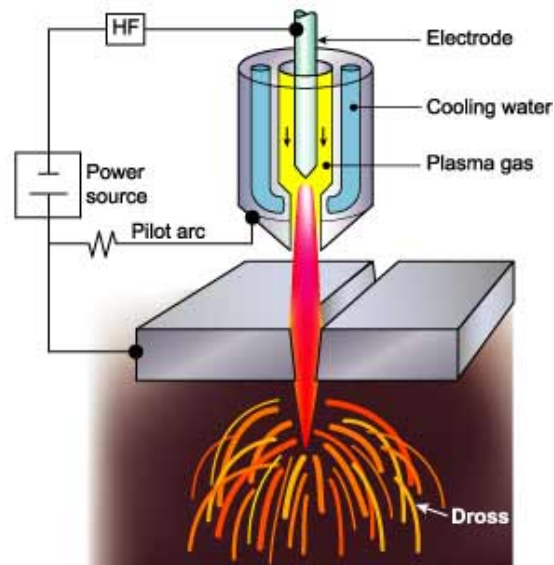
## PLASMA CUTTING

**Gestión de Compras** designs, develops and manufactures a huge range of pieces forming by plasma cutting.

### PROCESS:

Plasma cutting is an operation that cut conductive materials using a high frequency and high voltage spark to ionize a gas flow. For this purpose a pressured gas is forced through a focused nozzle at high speed toward the work piece. Then the electrical arc ionizes the gas, this conductive ionized gas is called plasma. The plasma melts the material being cut and the high velocity stream of ionized gas mechanically blows the molten metal away.

On the following diagram we can see how plasma cutting process works:



In plasma cutting there are two principal working systems, hand-held and computer numerically controlled (CNC). Hand-held is used up to 38 mm for fast and less accuracy cuts. Secondly CNC systems are used to make precise incisions up to 150 mm thick.

## PRODUCTION:

**Gestión de Compras** designs, develops and manufactures a huge range of pieces forming by plasma cutting. We work all materials and thickness that this method permit us.



There are many types of plasma cutting, it depends basically of which gas is used:

- High-definition plasma cutting.
- Nitrogen plasma.
- Oxygen plasma cutting.
- Argon plasma.
- Etc.

## MATERIALS AND PRODUCTS:

To carry out this process the material cut must be conductive metals. The most common used are:

- Steel
- Aluminium
- Brass
- Copper

Plasma cutting is used on automotive industry to produces chassis and frames. Construction industries use that to cut and fabricate huge beams or metal-sheet goods. Is also used in shipbuilding and mining to pipe and ventilation fabrication and repair for example.



## STANDARD AND CERTIFICATES:

Our factories have the most demanding certifications for customers to ensure product quality as:

- ISO 9001
- ISO 14001
- AS 9100.

Besides the safety certificates are also required, such as:

- OHSAS 18001
- ISO 9013



## CONTACT:

In **Gestión de Compras** work with a wide range of customers from different sectors but have in common the search for products that suit your needs at the best Price and the guaranteed maximum quality. Check with us about any product. We have a qualified staff who will advise you.

**C/ Marzo, 9**

**02002 Albacete (Spain)**

**Phone: + (34) 967 221 602**

**Fax: + (34) 967 223 369**

**Email: [info@gestiondecompras.com](mailto:info@gestiondecompras.com)**