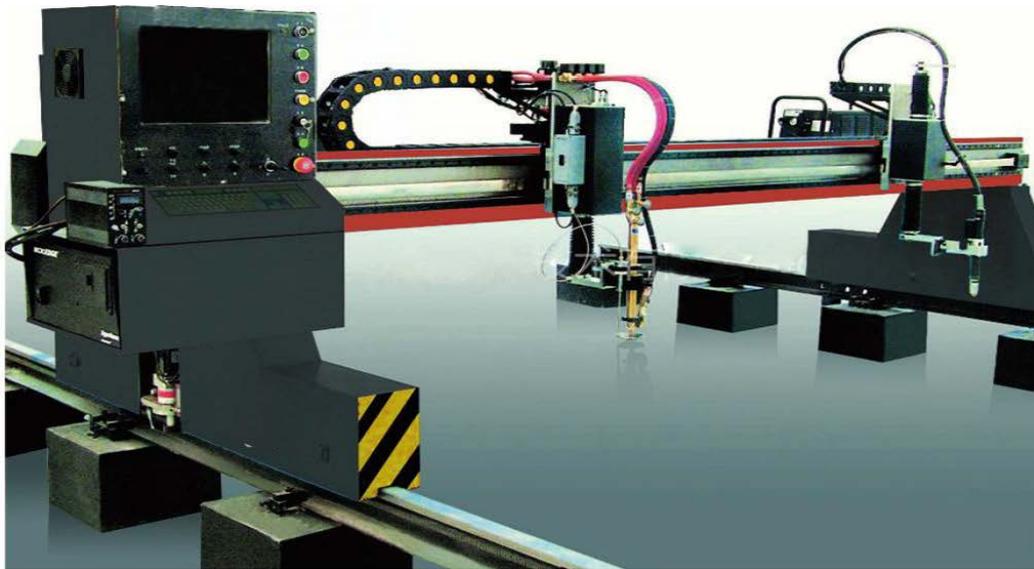


CNC GANTRY GAS CUTTING MACHINE



CNC GANTRY GAS CUTTING

Model	Railway Span (mm)	Railway Length (mm)	Valid Cutting Length (mm)	Valid Cutting Width (mm)	Cutting Speed (rpm)	Longitudinal Cutting Torch (sets)	CNC Cutting Torch (sets)	Cutting Thickness (mm)
CNC-3000	3000	15,000	125,000	2200	20 - 4000	9	2	6 -150
CNC-4000	4000	15,000	125,000	3200	20 - 4000	9	2	6 -150
CNC-5000	5000	15,000	125,000	4200	20 - 4000	9	2	6 -150
CNC-6000	6000	15,000	125,000	5200	20 - 4000	9	2	6 -150

DESCRIPTION

DANOX offers large gantry design and performance in a compact package. The rugged gantry features all-steel construction with machined mating surfaces for stiffness and accuracy. Heavy duty weldments support triple machined T-rails to provide a sturdy, stable foundation. Featuring a precision linear rail Y-axis guiding system, precision three-axis rack-and-pinion drives, digital AC drives and AC brushless motors, this machine delivers the cutting performance you would expect from much more expensive gantries.

Plasma stations

DANOX can be equipped with air plasma systems up 120 amps or Plasma System, which allows the machine to cut and mark with the same plasma torch. The system is available for 100, 200, 300 or 400 Amp configurations.

Plasma under water cutting systems

As per customer needs, advantages of under water Plasma cutting, Noise reduction, Arc-glare, Smoke & fumes reduction, Heat absorption.

*Note: Water tables will accumulate slag and sludge and will require periodic cleaning and drainage. Depending on what you are cutting, the contents of your table may be classified as toxic and will require special drainage services. Depending on your location, environmental procedures will vary and you should consult your local environmental authorities when considering plasma water disposal.

In summary, understanding the limitations of either open-air or underwater plasma cutting will help you make informed choices about the best cutting process for your needs, saving time and potential frustration in the long run. For our demonstrations, cutting materials 1/2" above water provides the optimal combination of benefits. Noise and smoke are greatly reduced with the water being close enough to the cutting face however the ohmic contact is never interrupted and cut quality is maintained.

Oxy-Fuel torch stations

DANOX may be equipped with up to 4 oxy-fuel cutting stations. The stations feature heavy duty motorized lifters with capacitive height control and pilot flame torch ignitors. An electronic proportional valve gas control sets high/low preheat pressures, cutting oxygen pressure, and pierce ramp automatically through the built-in process database.

Plate marking

Plate marking can be accomplished by the plasma system or by an optional air scribe marker, allowing accurate marking and cutting on the same parts.



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