

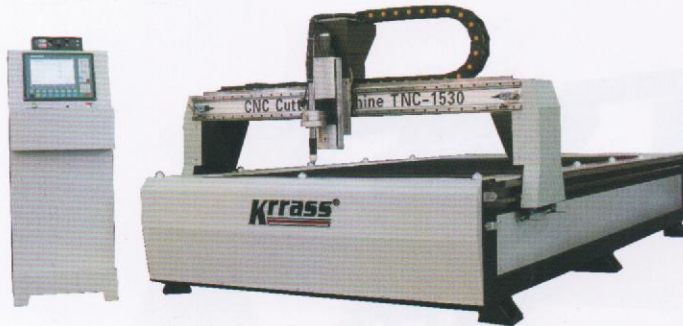


► **KRRASS<sup>®</sup>**

**PROFESSIONAL MANUFACTURER  
OF CNC SHEET METAL  
EQUIPMENT**



## Desktop Plasma Cutting Machine



- The machine is desktop gantry structure with double-side drive, X & Y axes track are precise cylindrical linear guide rails, precise gear and rack drive, runs stably.
- Machine frame adopts the whole welding and annealing treatment, main frame is made by medium-sized steel pipe through welding; rail base plates are made through the planer precision processing, high strength, good precision and no deformation.
- Crossbeam, side panels and all movable parts are made by aluminum alloy through fine casing and milling, with features of high strength and small inertia, ensuring the high strength and avoiding the cutting positioning instability caused by high inertia.

Model/Specification	TNC-1325	TNC-1530	TNC-1830	TNC-2030
Input Power	AC 220V±10% 50-60Hz 1.0KW , Plasma 380V	AC 220V±10% 50-60Hz 1.0KW , Plasma 380V	AC 220V±10% 50-60Hz 1.0KW , Plasma 380V	AC 220V±10% 50-60Hz 1.0KW , Plasma 380V
Cutting Method	Plasma cutting, Flame Cutting ( According to the need of Customer )	Plasma cutting, Flame Cutting ( According to the need of Customer )	Plasma cutting, Flame Cutting ( According to the need of Customer )	Plasma cutting, Flame Cutting ( According to the need of Customer )
CNC Width (mm)	1900	2100	2300	2500
CNC Length (mm)	3100 ( Can be lengthened if customer require )	3600 ( Can be lengthened if customer require )	3600 ( Can be lengthened if customer require )	3600 ( Can be lengthened if customer require )
Effective Cutting Range (mm)	1300*2500	1500*3000	1800*3000	2000*3000
Cutting Torch Lifting Height (mm)	120	120	120	120
Cutting Torch Quantity	One set of plasma / Flame	One set of plasma / Flame	One set of plasma / Flame	One set of plasma / Flame
CNC Cutting Torch Quantity	1	1	1	1
Cutting Thickness (mm)	Flame 6-150 mm, subject to plasma power	Flame 6-150 mm, subject to plasma power	Flame 6-150 mm, subject to plasma power	Flame 6-150 mm, subject to plasma power
Idle Stroke Speed	0-5000mm / min	0-5000mm / min	0-5000mm / min	0-5000mm / min
Cutting Speed	20-4000mm / min	20-4000mm / min	20-4000mm / min	20-4000mm / min
Drive	Rack drive: bilateral drive	Rack drive: bilateral drive	Rack drive: bilateral drive	Rack drive: bilateral drive
CNC System	Shanghai Fangling, 10 inch IPC ( Industrial Personal Computer ) display	Shanghai Fangling, 10 inch IPC ( Industrial Personal Computer ) display	Shanghai Fangling, 10 inch IPC ( Industrial Personal Computer ) display	Shanghai Fangling, 10 inch IPC ( Industrial Personal Computer ) display
Other Accessories	Lifting pipeline towing chain, one set of tools	Lifting pipeline towing chain, one set of tools	Lifting pipeline towing chain, one set of tools	Lifting pipeline towing chain, one set of tools
Automatic Height Adjustment	1	1	1	1
Nesting Software	Standard configuration : a set of FASTCAM expert edition/SMARTCUT software	Standard configuration : a set of FASTCAM expert edition/SMARTCUT software	Standard configuration : a set of FASTCAM expert edition/SMARTCUT software	Standard configuration : a set of FASTCAM expert edition/SMARTCUT software
Guide Rail Base, Cutting Rack	Provided by factory	Provided by factory	Provided by factory	Provided by factory

## > Gantry Flame Cutting Machine



- Streamlined design originated from EU; adopt overall welded and annealing heat treatment technology to eliminate the machine stress, good rigidity and high accuracy, to ensure long term use without deformation.
- Use double screws and dual-servo motor transmission mechanism which can significantly improve the machine reliability and cutting speed.
- Full-digital CNC controls servo motor.
- Gantry structure, use international top-notch brand speed reducer and high precision linear guide rail, balance transmission, high accuracy.
- Overall casting aluminum beam, the first processing was preceded after two times annealing treatment, then VSR (vibratory stress relief) and high precision processing forming.
- Adopt world-class full-automatic electric proportional valves which can precisely control the cutting assist gas pressure in order to achieve best cutting results.
- Outside fiber circuit is maintenance-free, and the vulnerable components consumption is very low.
- Professional fiber laser cutting software with drawing layout and acute angle smoothing functions is conducive to realize high-speed punching and marking function.
- Compact overall layout needs small floor area, especially suits metal processing enterprises in advertising industry.