



DOUBLE GANTRY SYSTEM

Kronos HP & SP Series can be combined in tandem with another Kronos or with our Gemini plate cutting and drilling system to optimize the productivity with lower costs and minimal floor space.

MAIN ADVANTAGES

- Reduced manpower (one operator for two machines)
- Lower total investment
- Same Fanuc controls and drives
- Common rails & table
- Less material handling & improved safety
- Reduced floor space
- Higher availability & greater flexibility
- Increased throughput capacity
- Less downtime and maintenance
- Installation of the overall system in one step, or the possibility to add the second system at a later stage

TECH SPECS

AUTOMATIC GANTRY CNC THERMAL CUTTING SYSTEM FOR PLATES – KRONOS	KR25SP	KR32SP	KR36SP	KR25HP	KR32HP	KR36HP
Plate size [max mm]	2540x6000	3100x6000	3600x6000	2540x6000	3100x6000	3600x6000
Plate thickness with plasma [max mm]	50	50	50	80	80	80
Plasma straight torches [max no.]	1	1	1	2	2	2
Plasma bevel torches [max no.]	1	1	1	2	2	2
Plate thickness with oxy [max mm]	150	150	150	150	150	150
Oxy-fuel torches [max no.]	4	4	4	4	4	4
Drilling heads [max no.]	1	1	1	1	1	1
Drilling tools per head [max no.]	4	4	4	4	4	4
Drilling diameter [max mm]	16/24	16/24	16/24	16/24	16/24	16/24
Spindle power [kW]	5,5	5,5	5,5	5,5	5,5	5,5
Spindle speed [max RPM]	6000	6000	6000	6000	6000	6000
Machine weight [kg]	2500	2800	3000	2500	2800	3000

	KR153PC	KR204PC	KR206PC	KR208PC
Plate size [max mm]	1500x3000	2000x4000	2000x6000	2000x8000
Plate thickness with plasma [max mm]	50	50	50	50
Plasma straight torches [max no.]	1	1	1	1
Machine weight [kg]	4000	5000	7500	10000

06-2019 Advanced Agency VA



KRONOS

Automatic Gantry CNC
High definition Plasma &
Oxy Cutting System
for plates

Please review FICEP's terms and conditions of sale and system specifications that are in our formal proposal. The manufacturer reserves the right to change specifications and features from those indicated in this brochure. Current specifications and features are part of the formal quotation. The raw material mentioned on this catalogue are in accordance with the following standards: UNI EN 10025 for technical conditions; UNI EN 10029 for dimensional tolerances; UNI EN 1090 - UNI EN 9013 for pieces execution tolerances.



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Kronos HP, SP & PC are heavy duty gantry style thermal cutting systems engineered for steel fabricators who manufacture connection plates, gussets, stiffeners, etc. from stock material. The Kronos integrates all the cutting and marking processes into one single operation to reduce material handling cost.

KRONOS HP & SP – Main features

Kronos HP & SP Series can be equipped with up to four oxy-fuel cutting torches, and with one or two high-definition plasma torches for straight or bevel cutting. The Kronos systems are engineered to address a wide variety of cutting applications.

The plasma generators are from Hypertherm and range from the XPR170XD up to the latest XPR300. This brand new Hypertherm power source incorporates several additional unique features and benefits in terms of cut quality on mild and stainless steel, bevel capabilities and performance, optimized productivity, reduced operating costs and nozzle life.

All models can also be equipped with Hypertherm HPR400XD.

The cutting table consists of a sturdy grid suitable to guarantee the stability of the plate during the processing. The cutting table is pre-arranged to receive the fume exhaust and filtering system.

The Kronos systems can also be configured with an optional 5,5 kW drilling spindle with a 4-positions automatic tool changer for the production of small holes.



KR25HP



Bevel plasma torch



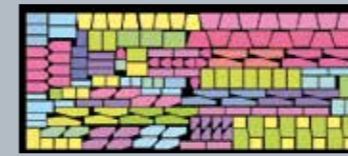
Plasma torch



Drilling unit with a 4-position automatic tool changer



Pegaso is the latest generation CNC for Ficep lines where the PC, CNC and PLC are all integrated into a single circuit board for maximum reliability. Pegaso is based upon a field bus technology using CanBus and EtherCAT for controlling up to 32 separate CNC axes.



Automatic nesting with comprehensive software



Hypertherm True Hole Technology



KR36HP

KRONOS PC Series

Designed for high-definition Hypertherm plasma cutting as the main frame is constructed of aluminum so the torch positioning can accelerate and decelerate in milliseconds to achieve the highest cut quality. The cutting table is a welded design so the electrical cabinet can be integrated to reduce floor space and installation time. The PC Series is as equipped with automatic torch height control to increase consumable life and deliver optimum cut quality.



Play video