



STEEL CONSTRUCTION MACHINERY | PLATES

GEMINI

GEMINI: DRILLING AND CUTTING OF STEEL SHEETS

The Gemini is the complete plate processor solution for fabricators and manufacturers of all sizes. It handles from light to heavy plates for thermal cutting, marking, drilling, tapping, milling, bevelling and more, with unprecedented productivity and accuracy. This achieves the lowest part cost due to its minimal floor space, low capital investment and productivity.

PROCESSES

DRILLING

MILLING

TAPPING

COUNTERSINKING

SCRIBING

OXY CUTTING

PLASMA CUTTING

PLASMA BEVEL

FEATURES

DRILLING UNIT

The high speed machining spindle allows extremely productive drilling of holes from 5 to 80mm. For larger holes up to 400mm the Gemini can mill holes with exceptional accuracy on diameter and concentricity.

TOOL CHANGER

Automatic tool change systems, managed by the CNC, having 8, 16 or 24 positions allow to equip the line with all the necessary tools.

ADVANCED MILLING

Dedicated software upgrades allow special milling operations such as straight slots, special curve slots, countersinking with milling tool, "Y" and "J" calking, and other special cycles.

OXY TORCHES

Gemini systems can be equipped with up to three oxy cutting torches to cover all manufacturing needs.

HYPERTHERM PLASMA UNITS

The brand new Hypertherm XPR300 or HPR400XD power source can supply one or two high-definition plasma torches, for straight or bevel cut.

HYPERTHERM TRUE HOLE

Hypertherm true hole technology is available on this model.

SCRIBING

Scribing operations are available for identification marks or part numbers, fabrication and bending lines, center locations for positioning and welding, deeper marking viewable after painting/galvanizing.

CUTTING BENCH

Bench made of a sturdy grid suitable to guarantee the stable positioning of the plate during the processing. The bench is pre-arranged to receive the fume exhaust and filtering system.

FUME EXHAUST SYSTEM

The exhaust system filters the fume generated by thermal cutting operations. The air is cleaned according to the latest health and safety requirements.

DOUBLE GANTRY SYSTEM

Gemini systems can be combined in tandem with another Gemini or with our Kronos plate cutting systems to optimize the productivity with lower costs.

ADVANTAGES

- Simple floor mounted installation without need for special foundations.
- Multiple integrated plate clamps rapidly adjust to the plate thickness to reduce the clamping cycle. The clamps rigidly secure the plate to the material bed to eliminate vibration and extend tool life even during aggressive machining.
- Precision laser for plate referencing that automatically rotates the plate nesting program to eliminate the need to square plates prior to processing
- Remote diagnosis is possible through a network connection that allows our service team to perform routine checks.

TECH SPECS

AUTOMATIC GANTRY CNC DRILLING AND THERMAL CUTTING SYSTEM FOR PLATES – GEMINI

G25SP

Plate size [max mm]	2540x6100
Plate thickness with plasma [max mm]	80
Plasma straight torches [max no.]	1
Plasma bevel torches [max no.]	1
Plate thickness with oxy [max mm]	100
Oxy-fuel torches [max no.]	3
Drilling heads [max no.]	1
Drilling tools per head [max no.]	6
Drilling diameter [max mm]	40
Drilling thickness [max mm]	80
Spindle power [kW]	15
Spindle max RPM	7000
Machine weight [kg]	4500

AUTOMATIC GANTRY CNC DRILLING AND THERMAL CUTTING SYSTEM FOR PLATES – GEMINI

G32SP

Plate size [max mm]	3100x6100
Plate thickness with plasma [max mm]	80
Plasma straight torches [max no.]	1
Plasma bevel torches [max no.]	1
Plate thickness with oxy [max mm]	100
Oxy-fuel torches [max no.]	3
Drilling heads [max no.]	1
Drilling tools per head [max no.]	6
Drilling diameter [max mm]	40
Drilling thickness [max mm]	80
Spindle power [kW]	15
Spindle max RPM	7000
Machine weight [kg]	4800