

CONTROL

Every Gemini includes a field proven, reliable control. The Burny 1400+ CNC control is standard. Loading programs, setting up for cutting and monitoring cutting progress are easy with this control system.



- CNC Microprocessor based system with 512k of part storage memory.
- Built in library of 53 standard shapes.
- RS232/422 communication port standard. Optional floppy disk reader available.
- Fully integrated drive amplifiers for fast response and low power consumption.
- Includes all necessary process control switches for oxy-fuel or plasma cutting.
- Seamless integration of either the Messer Accu-Lift® Plasma Control Station or the Quick Set® oxyfuel regulation panel.



The state of the art Phantom PC based CNC control is also available on the Gemini.

- Processor is 1GHz with 30 GB hard drive.
- Operator interface is 10.4" TFT USB Touch Screen.
- Includes multi-tasking such as part loading and editing while cutting to increase productivity.

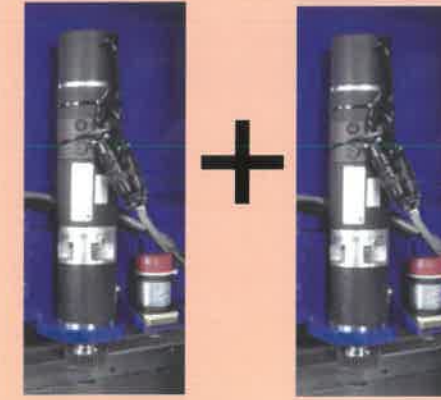


GAS CONTROL

The optional Quik Set gas regulation panel provides a simple way to automate the oxy-fuel hole piercing cycle. By entering the process data into the CNC, hole piercing of material up to 5 inches thick occurs without damaging the torch or the piece part. This makes even an inexperienced operator an expert in oxyfuel cutting!



DRIVES



The Gemini uses separate 300 watt peak motors for each end truck for a true dual drive. Each drive motor is directly coupled to a low backlash planetary gearbox. This combination produces cut parts with excellent edge quality.

CONSTRUCTION

Robust aluminum extrusion with built-in bracing provide maximum stability and rigid alignment for superior cut-part accuracy and repeatability.

- Alloy beam and end truck construction provide high degree of rigidity with low inertia.
- Optional transverse hose and cable system for compact organization of hoses and cables.

THE GEMINI CAN BE EQUIPPED WITH THESE TOOLS

Oxyfuel Torch

- Cut up to 12" thick mild steel
- Messer's Turbo Flame® torch provides 20% faster speeds for high productivity
- Up to 8 torches for maximum oxyfuel cutting efficiency



Marker

- Automated marking of bend lines, weld locations and part identification to eliminate manual layout operations.

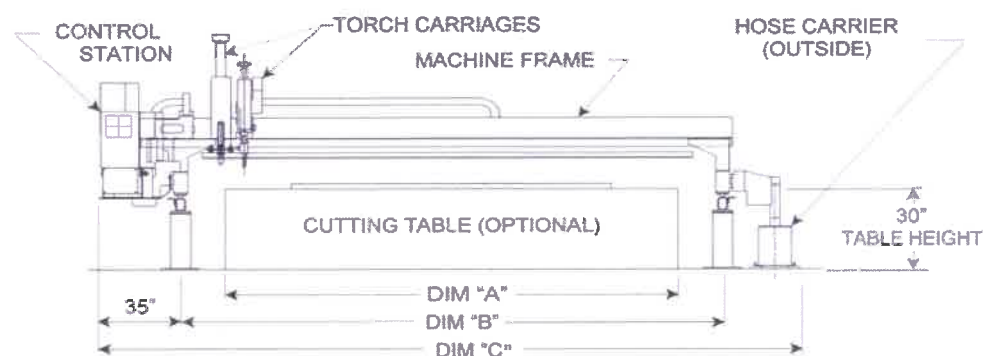
Air Scribe-Thin sheet
Punch Marker-Thick plate
Powder Marker-Colored Line



Plasma

- Cuts mild steel, stainless steel & aluminum
- High cutting speeds with excellent cut quality
- Accu-Lift® torch height control for superior cuts even on warped or wavy plate
- Built-in "swing-away" torch collision protection

MACHINE SPECIFICATIONS



MODEL	Gemini 6	Gemini 8	Gemini 10	Gemini 12
TABLE WIDTH "A" (MAX)	8'-2"	10'-2"	12'-2"	14'-2"
TOOL COVERAGE	6' Plate	8' Plate	10' Plate	12' Plate
• WIDTH	Full coverage of plate size listed with the first 2 tool carriages. Reduced coverage with additional carriages.			
• LENGTH	Basic coverage is 10'-6", expandable in 5' increments to 80'-6".			
RAIL CENTERS "B"	9'-6"	11'-6"	13'-6"	15'-6"
CLEARANCE "C"	14'-0"	16'-0"	18'-0"	20'-0"
AVAILABLE TOOLS				
• MAX QUANTITY CUTTING TOOLS	6	8	8	8
• PLASMA	2	2	2	2
• OXYFUEL	6	6	6	6
• MARKER	1	1	1	1
OXYFUEL	TURBO FLAME® Torch with capacity to 12" thickness (total of 16 torch inches).			
PLASMA	Hypertherm Plasma Systems: • Powermax 1000, 1250 or 1650 • Max 200 HT2000 or HT4400 • HD3070 HPR 130 or HD4070 Precision Innerlogic Finline or Proline Precision Plasma Systems Thermal Dynamics Plasma Systems			
MARKERS	Air Scribe, Punch or Powder			
MATERIALS CUT	Mild Steel, Stainless Steel or Aluminum			
SPEED	Up to 500 IPM jog speed			
AVAILABLE OPTIONS	• Quik-Set Gas Panel • Modems for Downloading Programs • Tracing and Digitizing Unit • Programming Software from FastCAM® or MTC • Heat Shield			
AVAILABLE CONTROLS	• Burny 1400+ CNC System • Phantom PC Based System			

Equipment Available From:



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**VERSATILE
 PLATE CUTTING
 PERFORMANCE IN AN
 ECONOMICAL PACKAGE**

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