

SIZE	6x10	6x15	6x20	6x25	6x30	8x10	8x15'	8x20	6x25	8x30
Tool Coverage	6x10'	6x15'	6x20'	6x25'	6x30'	8x10'	8x15'	8x20'	6x25'	8x30'
Machine Width A	144"	144"	144"	144"	144"	168"	168"	168"	168"	168"
Machine Length B	253.25"	317.25"	381.25"	445.25"	509.25"	253.25"	317.25"	381.25"	445.25"	509.25"

- Tools Available**
- Precision plasma up to 260 amps
 - Conventional plasma systems up to 200 amps
 - Plasma, powder, ink jet or air scribe markers
 - Laser pointer, video camera
 - Drills available for holes up to 3/8"
 - Self-cleaning Slagger® zoned exhaust table
 - MG Systems dust collector system
 - Programming and nesting software
 - Sentry Service preventive maintenance program

Material Thickness 26 ga. to 2" with Precision or Conventional Capacity Plasma

Materials Processed Steel, stainless steel, or aluminum

Control Type PC-based Global Control Plus

- PLUS**
- Quick and easy installation using patent-pending alignment feature
 - Virtual Service™ remote consultation and diagnostics
 - Fast and easy installation
 - Single source responsibility
 - Application support
 - Designed and manufactured by experienced people who care

PRODUCTIVITY

Torch lifters are fully controlled through the PC-based CNC control. Retract after each cut can be set to various heights, including no raise at all.

MG Systems
Your Productivity Process People®

The descriptions, technical data, and illustrations contained in this document are provided for guidance purposes only and are non-binding. Messer reserves the right to make changes in equipment or specifications at any time without notice. 1.5K0508 © 2008 Messer MG Systems & Welding Made in Menomonee Falls, WI

MESSER 

MG Systems & Welding, Inc.

W141 N9427 Fountain Boulevard
Menomonee Falls, WI 53051

Phone: 262-255-5520
E-mail: sales@messer-mg.com
Fax: 262-255-5170
www.mg-systems-welding.com

METALMASTER PLUS

- Advanced unitized table
- Gantry cutting machine
- High productivity
- Excellent cut quality and accuracy



METALMASTER PLUS PROVIDES THE HIGHEST PRODUCTIVITY



MetalMaster Plus
With Glare Curtain

The MetalMaster Plus is a unitized table and gantry cutting machine that utilizes conventional and precision plasma to produce excellent quality parts for the precision fabrication market. This machine is ideal for making parts for air handling equipment, duct work, kitchen equipment, vessels and tanks, boats and leisure vehicles, appliances, and precision sheet metal applications.

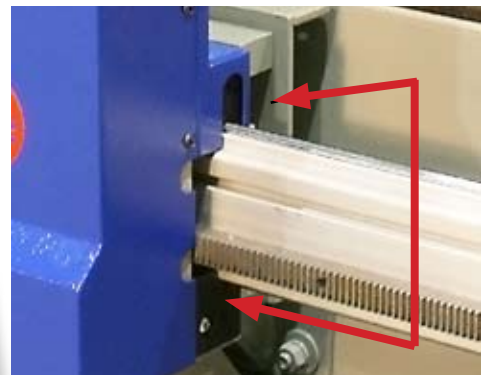
PROFESSIONAL-GRADE CNC CONTROL MAKES EVERY OPERATOR AN EXPERT

The Global Control incorporates many years of our world-wide knowledge in a very easy-to-use operator interface using Windows and PC-based CNC.

- 15" TFT color touchscreen
- Embedded process database for plasma and oxyfuel
- Fiber-Optic I/O Bus Communication System
- Eight position joystick
- Hand wheel/feed rate override
- Standard shapes, nesting, and networking
- Many more features also included

POWERFUL DRIVES YIELD HIGH-QUALITY CUT PARTS AT HIGH SPEEDS

- Motion accuracy of +/- 0.002" in 72" x 72" area
- Positioning speeds up to 1200 ipm with acceleration of 38" per sec²
- Precision rack and pinion drives in X and Y-axis
- Ultra smooth planetary gearboxes in X and Y-axis
- Dual X-axis drives



Top and bottom bearing module (one end of carriage)

X-axis way support with gear rack installed



Operator Station

Back Cover Removed

RIGID FRAME AND BEARING: SMOOTH MOTION AND DEPENDABILITY

- The MetalMaster Plus features an extruded aluminum beam and X-axis ways support, providing high strength while reducing unnecessary weight
- The cross-braced beam is very rigid, providing more accurate cut parts and smooth motion
- Each carriage uses four-bearing way encapsulation with a wide spacing for stable support
- Unique system of gothic arch bearings on circular ways provides 8 contact points per carriage for smooth, precise motion
- Way and gear rack are connected via special grooves in the extrusion allowing future table extensions

MULTIPLE PROCESSES FOR MAXIMUM VERSATILITY

- Conventional or precision plasma and marking or drilling can be implemented in a variety of combinations
- Precision plasma, in conjunction with smooth axes drive systems, creates fine part edge quality
- Marking with either air scribe or plasma marker
- Drilling for material up to 3/8" hole

STANDARD FEATURES

- Tool coverage 6' or 8' wide x 120" long, expandable in 60" length increments to 40'
- Contouring speeds from 0.1 ipm to 400 ipm, rapid traverse speed of 1200 ipm
- Machine motion accuracy: ±.002" accuracy in 72" x 72" area
- Covered power track hose-and-cable carrier in both axes to prevent cable damage
- High-speed MG Systems programmable lifters at 880 ipm
- Unitized construction with zoned and ducted exhaust table
- Accepts conventional or Precision Plasma up to 260 Amps - two torches max/machine
- Marker or drill available (optional) - one system per machine
- Thickness - 26 Ga. to 2" (process dependent)
- Materials Processed - Mild Steel, Stainless Steel, Aluminum
- Designed and manufactured in the USA to machine tool standards
- Motion accuracy and repeatability ensured with a laser interferometer to ISO 230-2 Standard



Optional drill with plasma

ADVANCED UNITIZED CONSTRUCTION FOR LONG-TERM DURABILITY

- Mounted on a rugged, machined, modular steel base
- All ways are aligned at the factory to insure accuracy
- Side-draft exhaust cutting table is integral part of machine
- Utilizes a rigid engineered structure for high acceleration and accurate cutting, even during corner moves
- Unique endtruck attachment for smooth motion throughout travel length
- Covered powertrack to prevent cable damage



Optional Slagger

HIGH PERFORMANCE LIFTERS ACCOMMODATE VARYING PLATE CONDITIONS

- Plasma torch height is accurately maintained by the PL-1 Lifter
- PL-1 Lifter travels at up to 880 in/min, reacting to height changes quickly enough to follow warped or curved plate
- Unique SureStop magnetic torch collision protection for maximum up-time



PATENTED SLAGGER® TABLE YIELDS MAXIMUM PRODUCTIVITY

- The unitized construction of the MetalMaster Plus can utilize a built-in Slagger® (optional)
- Slagger® self-cleaning, zoned and ducted table offers easy cleaning and small parts retrieval
- A built-in zoned and ducted table without self cleaning is included as a standard part of machine

Cam opens and closes zones of the table.

