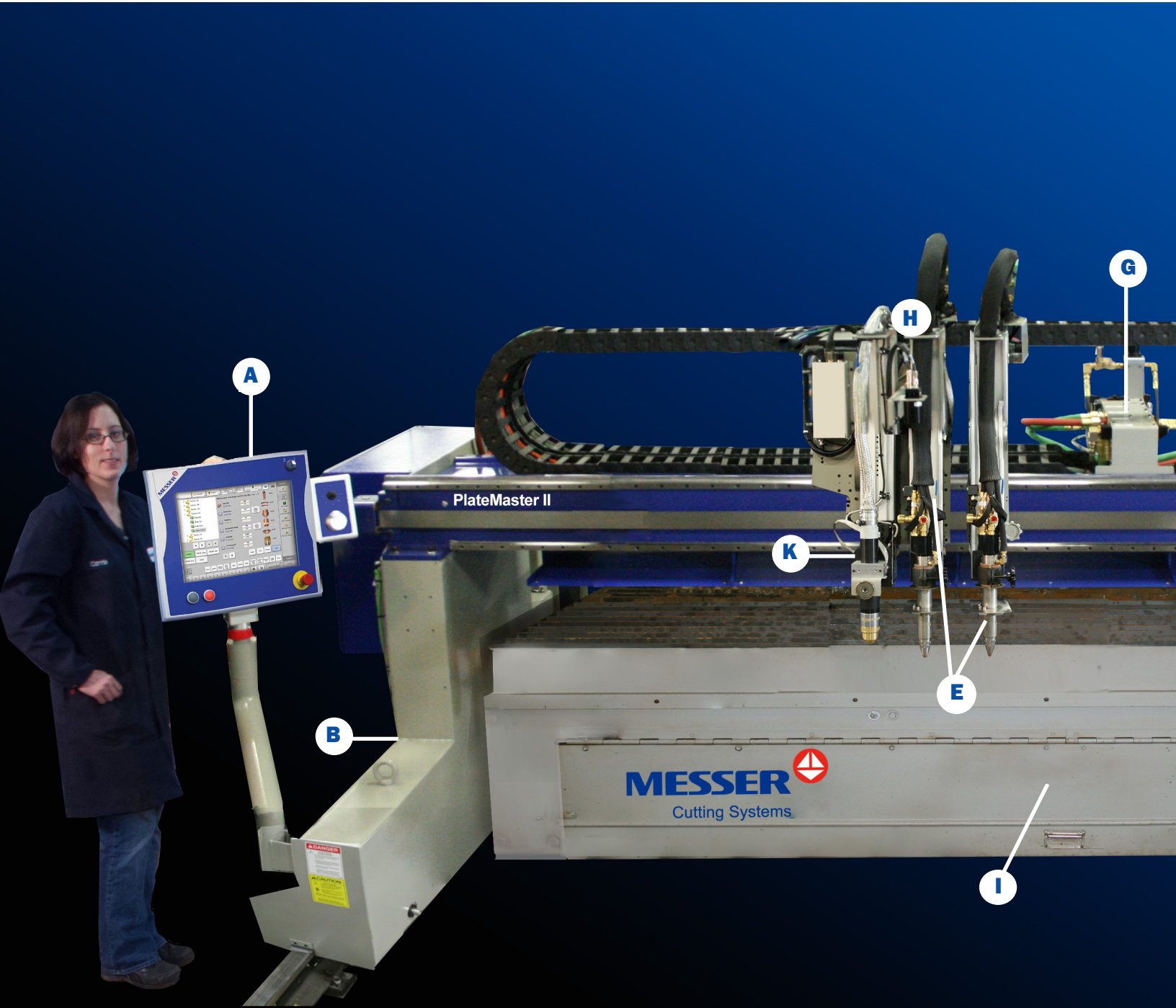


MESSER 
Cutting Systems

PLATEMASTER II

YOUR PATH TO PROFIT

THE PLATEMASTER II YOUR PATH TO PROFIT

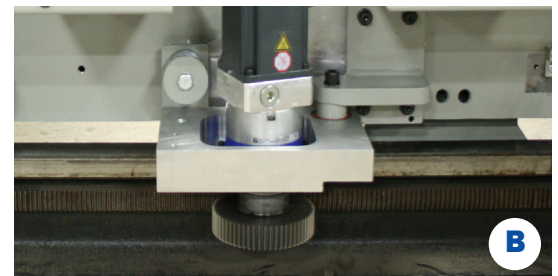




A

GLOBAL CONTROL^S

Easy-to-use, feature rich, Windows[®] interface. The Global Control^S is a compact touch screen process database featuring custom shape library, CAD import, and true-shape nesting. Virtual Service puts Service experts one push button away. Easy to learn functions allow employees to become expert operators in minutes.



B

BRUSHLESS DIGITAL DRIVES

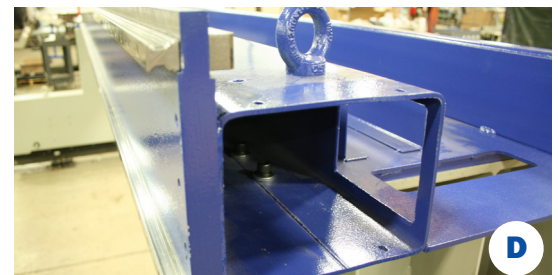
Zero maintenance, high compliance digital drives provide a smooth cut edge. No brushes to change and no required tune-ups productivity is maximized.



C

X-AXIS WHEEL AND GUIDES

Large diameter drive wheels combined with a pre-loaded compliant guide system deliver superior drive motion.

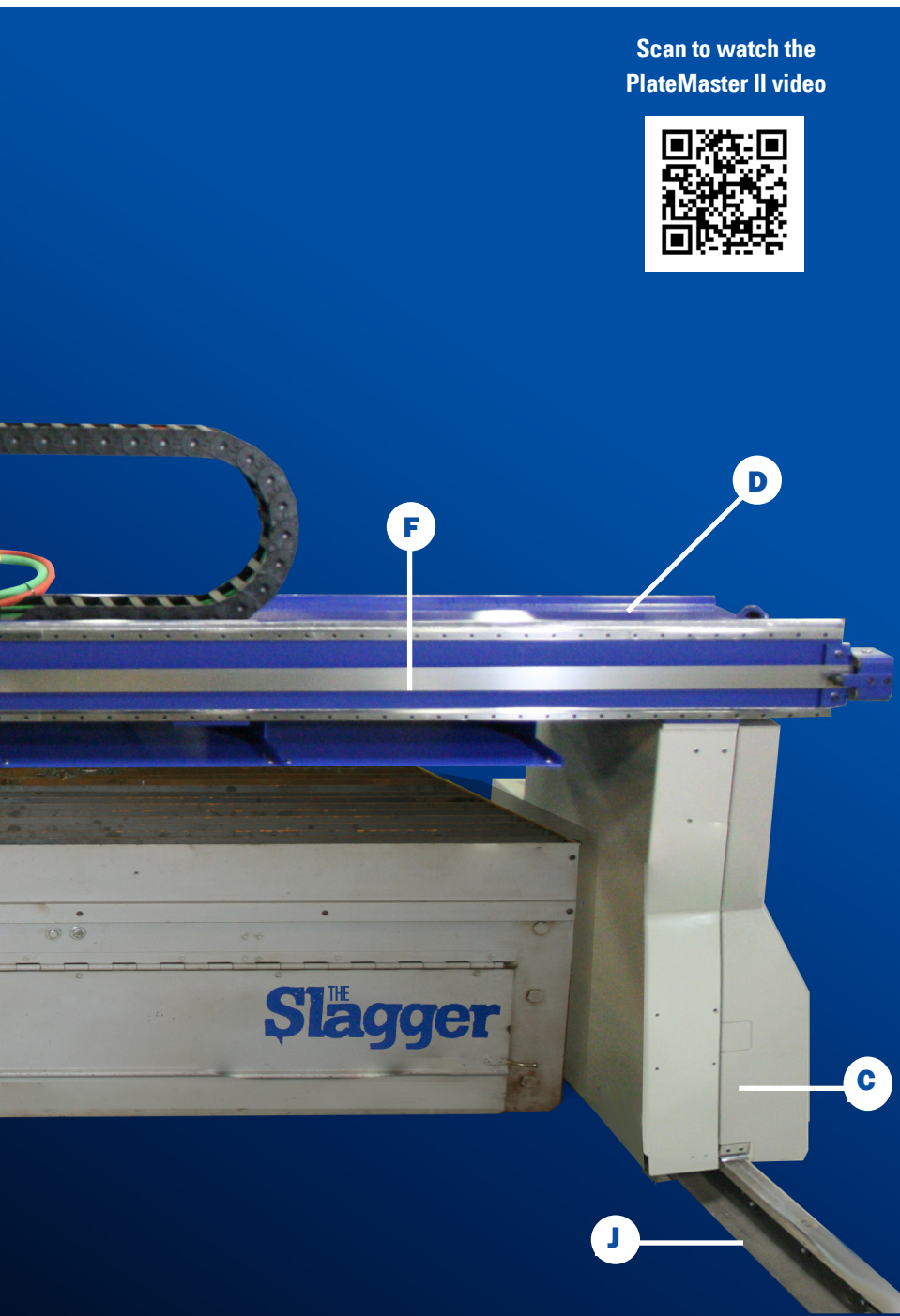


D

RUGGED BOX BEAM

Dual steel box beam, precisely machined way, and gear rack surfaces provide lasting strength, durability, and precision.

Scan to watch the PlateMaster II video

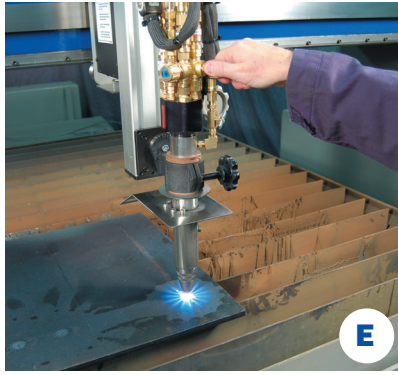


F

D

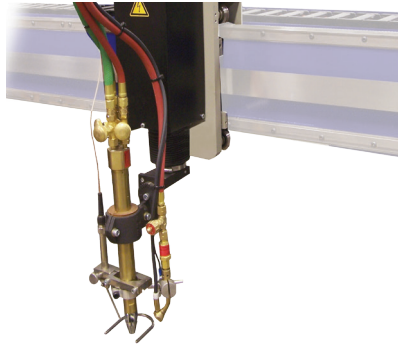
C

J



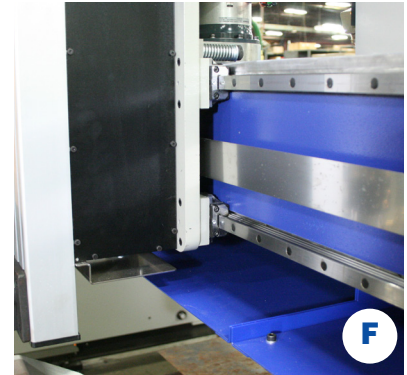
ALFA OXY-FUEL TORCH WITH SL LIFTERS

Fast oxy-fuel cutting with integrated height sensing and ignition. No probes to burn or external ignitors to foul. Coupled with our SL Series Lifters designed for harsh environments let you spend more time cutting and less time in setup. (Optional)



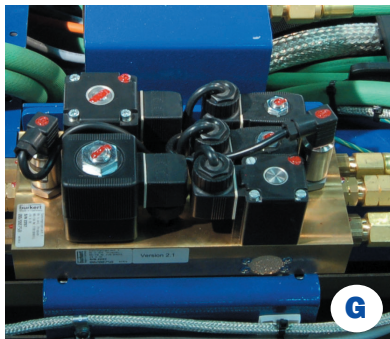
TURBOFLAME™ TORCH WITH THE EL-170 TORCH LIFTER

Cut up to 20% faster with many fuel gases. Combine the EL-170 Torch lifter for an accurate, smooth vertical torch positioning with 118 IPM with 6.7" of stroke. (Optional)



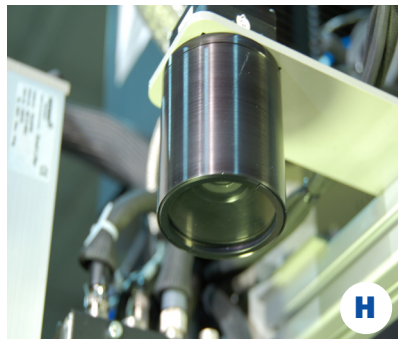
MULTI STATION DRIVE BAND

High strength stainless steel band provides easy, cost saving, multi-torch cutting and fast torch spacing setup.



OMNIFLOW

Operators concentrate on cutting and not on costly torch setup and adjustments using this automated gas control system. Internal database makes novice operators an expert in minutes. Less scrap and set-up time means more profit.



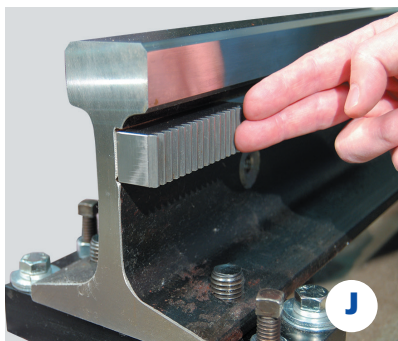
VIDEO CAMERA

The on-board video camera can be used as an alignment tool and to monitor the cutting process. The image is conveniently displayed on the 15" TFT color screen of the Global Control[®]. (Optional)



THE SLAGGER® TABLE AND BLADE

Heavy-duty zone and ducted table with push-button automatic cleaning. Spend more time cutting and less time cleaning. The Slagger® blade shown pushing slag in the slag bucket. (Optional)



X-AXIS RAIL SYSTEM

Oversized floor mounted rail provides a rigid foundation for smooth stable machine motion. Fast, accurate installation is assured with precision leveling and alignment pads.



SURESTOP COLLISION SENSOR

Eliminate expensive torch repairs after a collision. Drop torch back in holder for quick and simple realignment to help save downtime and money. (Optional)



VIRTUAL SERVICE™

With a push of a button on the Global Control, Messer's team of experts provide remote trouble-shooting, software upgrades and expert assistance when needed.

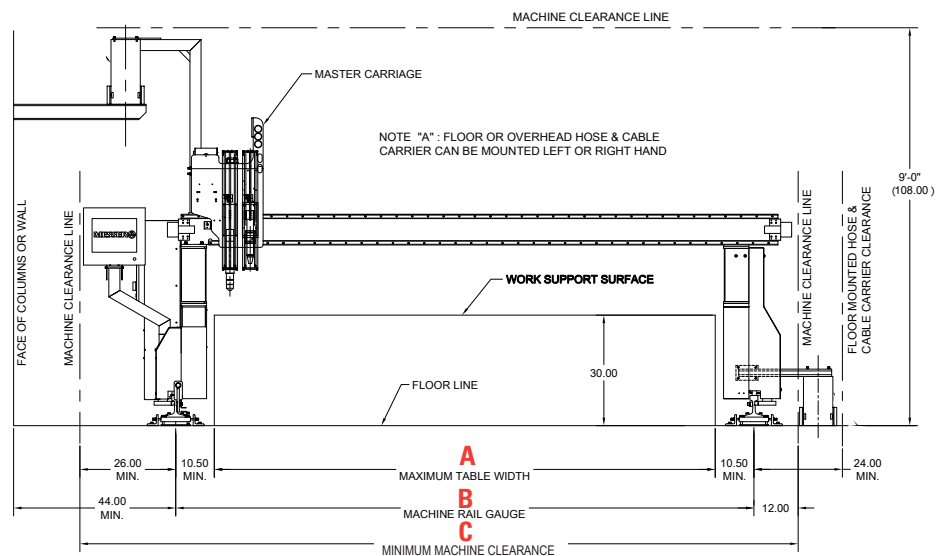
THE PLATEMASTER II

Messer Cutting Systems, PlateMaster II is an economical solution for plate cutting needs. Rugged floor mounted rails are machined from 90 lb/yd crane rail stock with heavy, internally gusseted end trucks support the dual-box beam for smooth motion. The PlateMaster II can support two high performance plasma systems and up to six oxyfuel systems including the ALFA Oxyfuel Torch which has integrated ignition and probe-less height control. All torch systems are suspended by the Messer SL or PL Series of torch lifters which are rugged, high speed, low maintenance and provide rigid torch support for the smoothest cut finish.

Equipped with the Global Control^S, with an easy-to-use, feature rich, operator interface, allows employees to become expert operators in minutes.

PLATEMASTER II MODEL MEASUREMENTS

Model	A Maximum Table Width	B Machine Rail Gauge	C Minimum Machine Clearance
PlateMaster II 6'	88.00"	109.00"	147.00"
PlateMaster II 8'	112.00"	133.00"	171.00"
PlateMaster II 10'	136.00"	157.00"	195.00"
PlateMaster II 12'	160.00"	181.00"	219.00"



Drives and motion are proved powerful, smooth and accurate to yield high quality parts.

2.3 hp Digital Brushless AC drives coupled to Alpha brand low-backlash gearboxes, efficiently and accurately drive the machine to speeds up to 1400 IPM. Large, 4.7 inch diameter hardened pinions transmit power thru the one inch wide gear rack. Both X and Y gear rack systems are mounted in machined steps to insure precise alignment and maximum accuracy.

Operator Convenience

- Plasma and oxyfuel gas controls are located in the Global Control^S.
- Global Control^S provides touch screen interface with Windows® to help operators quickly master the machine.
- Operator station is positioned on the left side, comes standard as right side is optional as the Global Control^S swivels and tilts.
- Oxyfuel auto pierce control.
- Twenty home positions for multiple start points.
- Lost cut recovery - reposition to any pierce point.
- All auxiliary functions are easily accessible at the operator's station.

STANDARD AND OPTIONAL FEATURES



STANDARD FEATURES

- Cutting widths 6', 8', 10', 12'.
- Standard cutting lengths up to 72 ft.
- Cut 26 ga. to 6" thick plate.
- Cuts mild steel, stainless steel, and aluminum.
- Contouring speeds up to 400 IPM.
- Positioning speeds up to 1,400 IPM.
- Reinforced steel weldment construction with a rigid beam.
- Machined mating surfaces and bores (critical tolerances of 0.002" maintained).
- Standard powertrack in both axes.
- Up to six oxyfuel torch stations (maximum two plasma stations).
- Up to two stations will cover full rated cutting width.
- Maintenance free digital brushless AC drives.
- Global Control^S is Windows[®] based for easy-to-use operator interface with a compact touch screen.
- Left hand mounted control console tilts and swivels for operator comfort.
- SureStop Collision Sensor allows easy and accurate reset.
- Virtual Service[™] remote consultation and diagnostics.
- Designed and manufactured in the USA. to machine tool and ISO 230-2 standards
- UL/CUL available.

OPTIONAL FEATURES

- Precision plasma up to 800 amps.
- Turbo Flame[™] or ALFA oxyfuel torches.
- Advanced oxyfuel technology with Omniflow automated gas regulation system.
- Torch ignitor, and automatic height control for oxyfuel systems.
- Manual Plasma Stripping Bevel Unit for X-Axis is available with the SL Series Lifters.
- Oxy-fuel lifters: EL-170, SL-200 Series.
- Plasma lifters: PL-1, CLS-200 Series.
- Plate markers: Plasma, Air Scribe, Pneumatic Punch, Zinc Powder, and Ink Jet.
- Digital Video Camera.
- Laser Pointer.
- Global Reporter.
- Programming and nesting software.
- Glare Shield.
- Plasma Air Booster.
- Right hand mounted control console tilts and swivels for operator comfort .
- Zoned exhaust tables, including self-cleaning Slagger[®]
- Rotary Pipe and Tube Cutting system.
- Messer dust collection system.
- Exhaust ducting kits.
- Sentry Service Preventative Maintenance Program.

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