



**MESSER**   
Cutting Systems

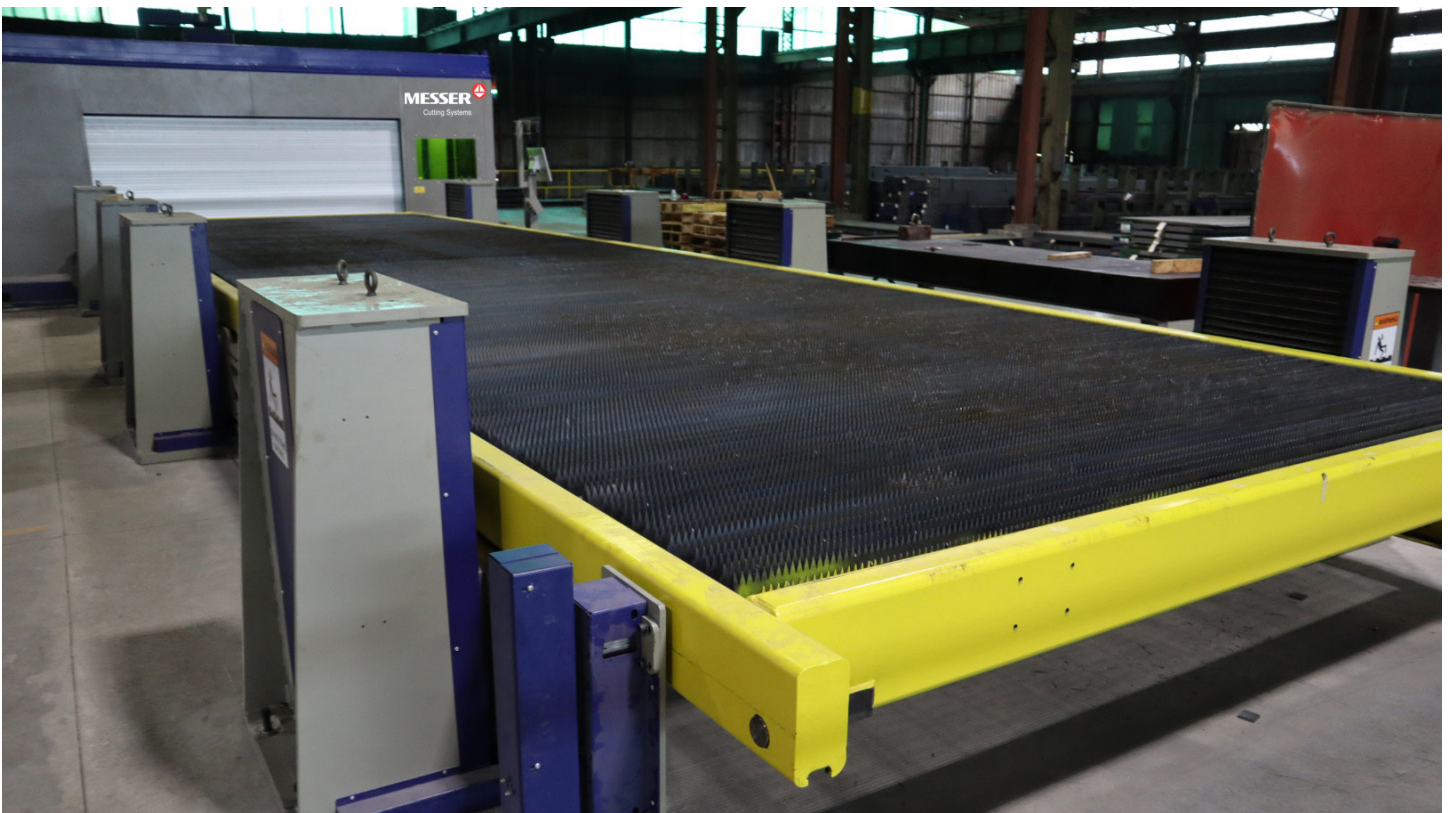
# METALMASTER XCEL-LASER

Large Format, Fiber Performance.

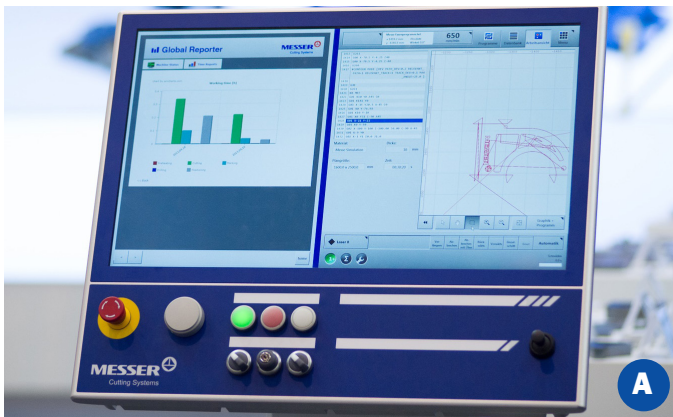
# OPTIONAL CONFIGURATIONS



Reduce footprint with optional motorized enclosure and standard Slagger® table.



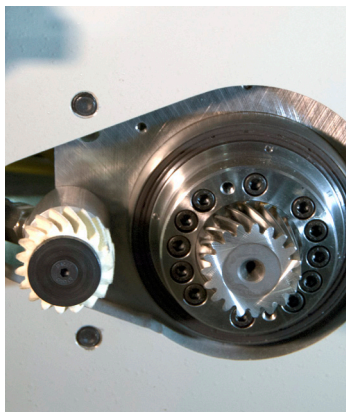




**A**

### INTUITIVE, FEATURE RICH INTERFACE

The **Global Control<sup>Plus</sup>** CNC control features a 24" touch screen display with easy-to-use interfaced packed in the industry's only IP65 rated enclosure. The control features on-board process database, CAD import, extensive custom shape library, true-shape nesting. The Windows® interface with integrated network support allows for remote diagnostics with a touch of a button and optional OmniFab suite offers end-to-end communication and productivity monitoring.



**B**

### SMOOTH MOTION WITH SWIFT ACCELERATION

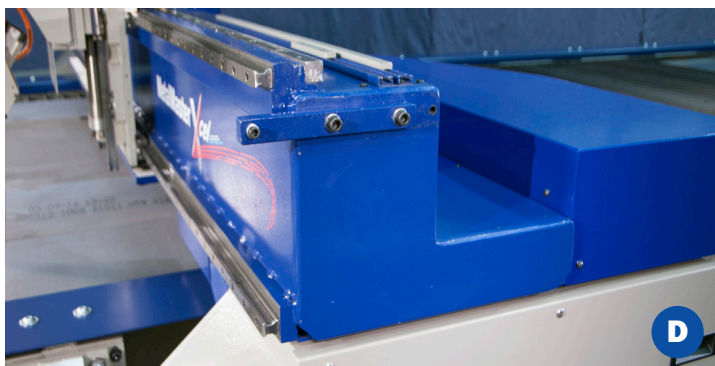
Propelled by X and Y axes, backlash free helical rack and pinion digital 8.4 H.P. and 4.7 H.P. AC servo motors, driven through planetary gear reducers with a maximum acceleration rate of 193in/sec<sup>2</sup> or .5g ensures smooth precise motion.



**C**

### EFFORTLESS SELF-CLEANING CUTTING TABLE

The **Slagger®** self-cleaning cutting table is fast and easy. The cleaning cycle begins with a touch of a button and is completed in minutes, reducing downtime. Slag removal can be made even easier with an optional slag bucket or slag scoop.



**D**

### RIGID CONSTRUCTION

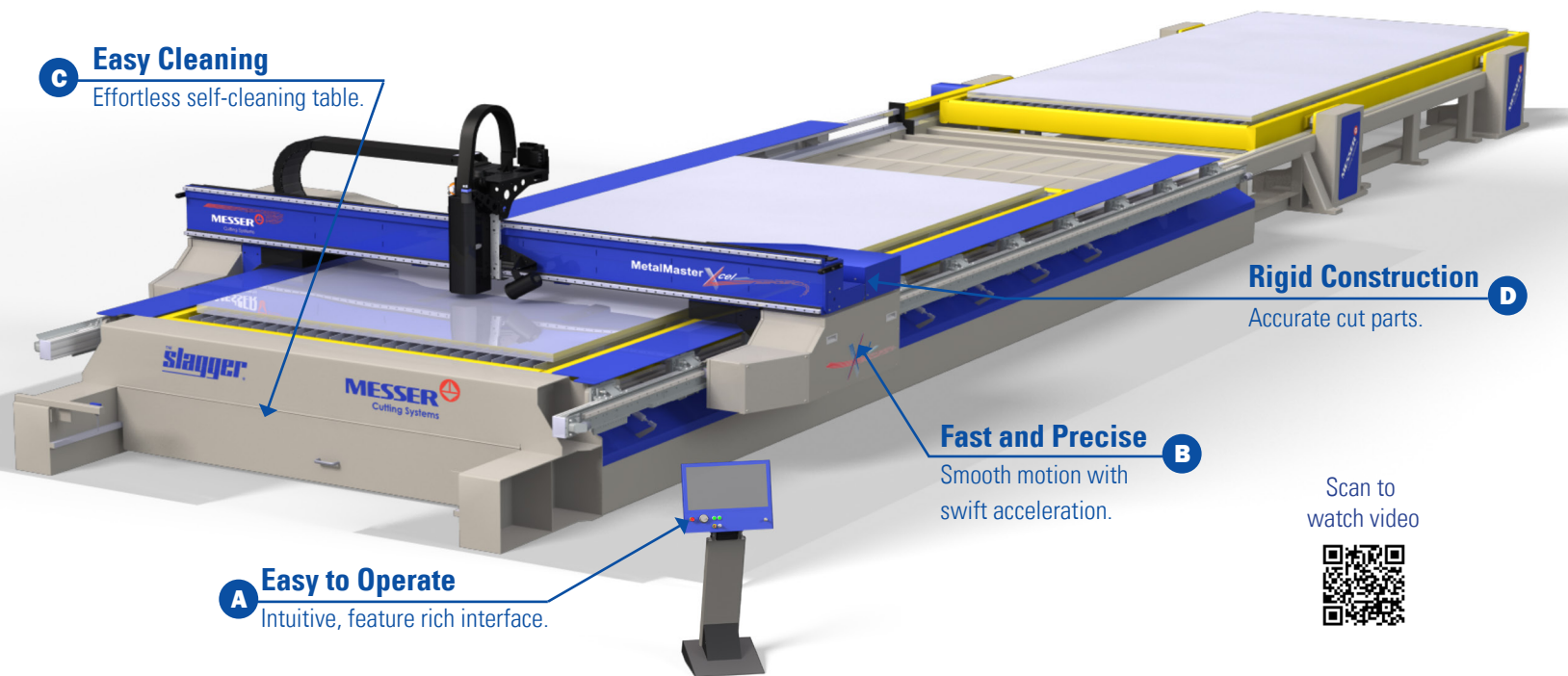
The gantry is a stress relieved fabricated tab and slot high strength steel box beam design which is lightweight, with minimum bending and twisting.

**C** **Easy Cleaning**  
Effortless self-cleaning table.

**A** **Easy to Operate**  
Intuitive, feature rich interface.

**B** **Fast and Precise**  
Smooth motion with swift acceleration.

**D** **Rigid Construction**  
Accurate cut parts.



Scan to  
watch video



# OMNIFAB SOFTWARE

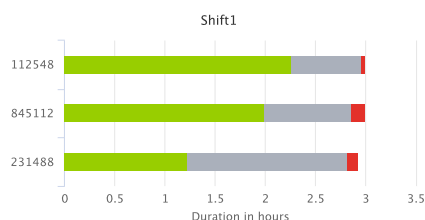
MESSER  SOFT



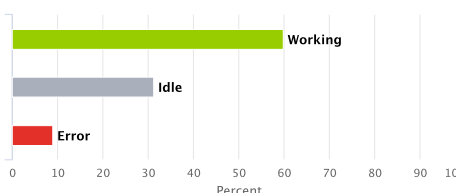
## Report details

Report Machine Performance in Working Day  
Machine name CN - FM3015-P  
Period Working Day  
Start 2018-12-05 08:00  
End 2018-12-06 00:00

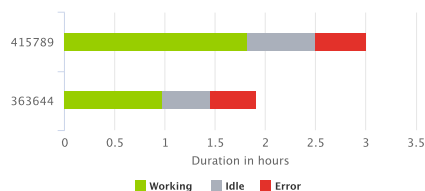
## Utilization per shift



## Machine utilization



## Shift2



## Idle Reasons

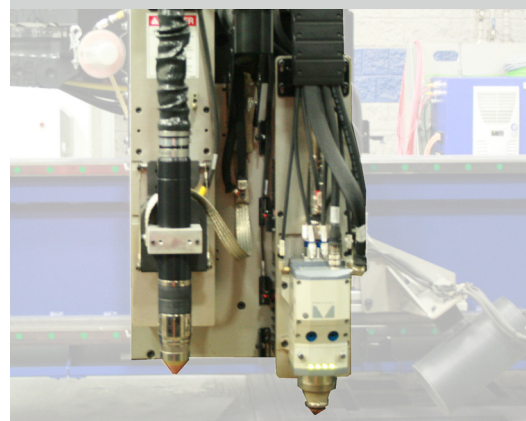
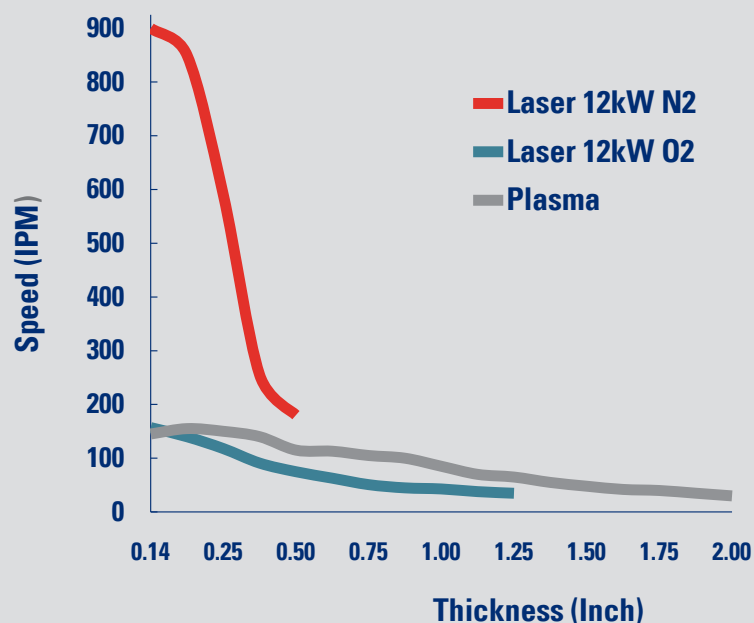


## OMNIFAB SOFTWARE

Increase efficiency and productivity with end-to-end communication throughout the production process. Measure performance with OmniFab "Machine Insights".

# PERFORMANCE

## Typical Cut Speeds



## PLASMA AND FIBER COMBINATION

Maximize performance, precision, and thickness range by combining laser and plasma on one machine.

## SIZING MATRIX

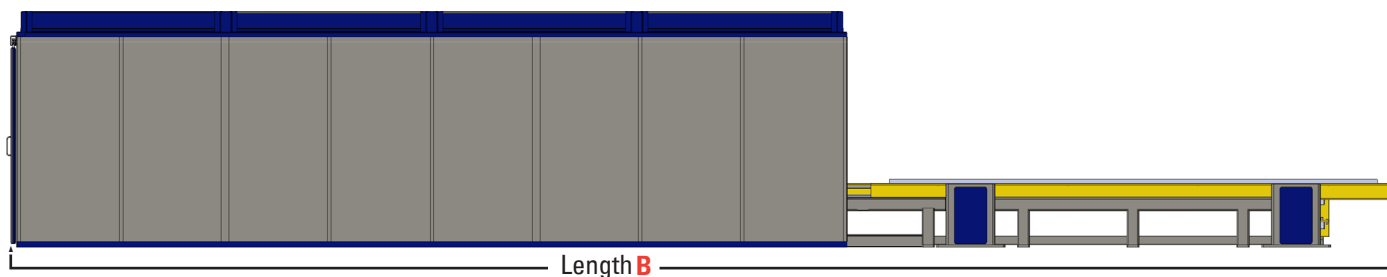
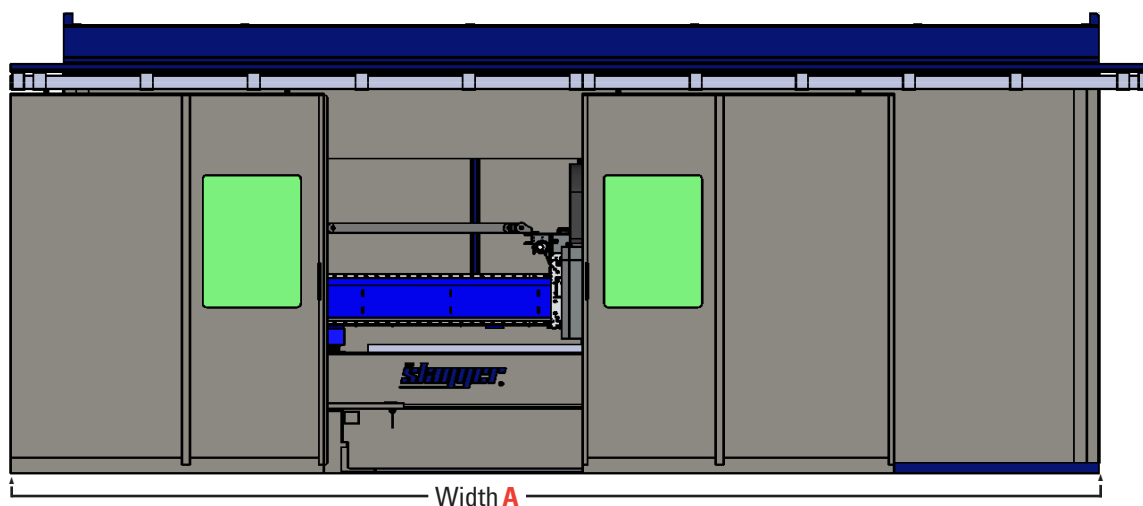
MODELS	A	A	A	B
	Machine Width 6' Plate	Machine Width 8' Plate	Machine Width 10' Plate	Machine Clearance Length
<b>STANDARD SHUTTLE TABLE WITH ENCLOSURE</b>				
MetalMaster Xcel & Shuttle 10' Plate Length	208"	232"	256"	464" (38.67')
MetalMaster Xcel & Shuttle 15' Plate Length	208"	232"	256"	595" (49.58')
MetalMaster Xcel & Shuttle 20' Plate Length	208"	232"	256"	720" (60')
MetalMaster Xcel & Shuttle 25' Plate Length	208"	232"	256"	848" (70.67')
<b>XTREME SHUTTLE TABLE WITH ENCLOSURE</b>				
MetalMaster Xcel 30' Plate Length	208"	232"	256"	1007" (83.92')
MetalMaster Xcel 40' Plate Length	208"	232"	256"	1263" (105.25')
MetalMaster Xcel 50' Plate Length	208"	232"	256"	1519" (126.58')

### STANDARD TABLE WITH MOTORIZED ENCLOSURE

MetalMaster Xcel 20' Plate Length	247"	271"	290"	384" (32')
MetalMaster Xcel 25' Plate Length	247"	271"	290"	448" (37.33')
MetalMaster Xcel 30' Plate Length	247"	271"	290"	512" (42.67')
MetalMaster Xcel 40' Plate Length	247"	271"	290"	670" (55.83')
MetalMaster Xcel 55' Plate Length	247"	271"	290"	844" (70.33')*
MetalMaster Xcel 60' Plate Length	247"	271"	290"	908" (75.67')*

Can accommodate additional lengths on request. \* Additional 4 to 12 feet required with enclosure open.

All dimensions are approximate, please speak with your sales representation for specific dimensions.



# STANDARD AND OPTIONAL FEATURES

## STANDARD FEATURES

- Cutting widths: 6', 8' and 10'.
- Cutting lengths: 10' to 55' in 5' increments.
- Cut material from 26 ga. to 2"-3" thick plate based on process.
- Cuts mild steel, stainless steel, aluminum.
- Machine motion accuracy to +/- .002" in an 80" area verified with a laser interferometer.
- Positioning speeds up to 3000 ipm with acceleration up to 193/sec<sup>2</sup> or .5g.
- The Slagger® self-cleaning zoned and ducted dry exhaust table.
- Global Control<sup>Plus</sup>, Windows® based with easy to use operator interface.
- Multiple reference point positions for efficient start-of-cut locations.
- High-speed CSL Torch Lifter (1180 ipm) with arc voltage height control and infinite adjustable programmable retract (only offered by Messer) features the SureStop Collision Sensor with easy and accurate reset.
- Fast installation and relocation due to modular design.
- Virtual Service™ remote diagnostics and consultation.
- Designed and manufactured in the USA to machine tool and ISO 230-2 standards.
- UL/CUL.

## OPTIONAL FEATURES

- Fiber laser and plasma combination.
- Two fiber lasers up to 15 kW.
- Plasma bevel units: Delta®, Bevel-R®, and Manual Plasma Stripping Bevel Unit for X-Axis.
- Various plate markers: Plasma, Air Scribe, Ink-Jet and Telesis® Pinstamp®.
- Digital and analog video cameras.
- Laser Pointer.
- Global Reporter.
- Slag Scoop or Slag Pit with Bucket.
- Shuttle system with dual pallets.
- Shuttle table enclosure.
- Storage retrieval tower system.
- Plasma station outlet equipment.
- Programming and nesting software.
- Drilling up to ½" diameter.
- Material Handling System.
- Messer dust collector systems.
- Exhaust ducting kit.
- Sentry Service Preventative Maintenance Program.
- Visual Service.

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