

GLOBAL CONNECT

DIGITAL



Digitally work quickly and decisively.

You can meet current and future challenges such as a shortage of skilled workers, energy transition and scarcity of resources with flexible processes in manufacturing production. Digital solutions from Messer Cutting Systems connect machines and systems.

The Global Connect provides added value with real-time relevant information. With Omniwin and OmniFab software provides you with the right information at the right time. You act quickly and decisively and use data and information to procure quoting to final costing.

Production planning:

Get the most out your machines.

Digitally generating cut jobs including nesting plans for any machine by sorting, jobs urgency, material, or other key attributes.

Preparing work:

Get started with your cutting jobs right away.

The integration of OmniFab into the new control Global Connect with the Element 400 cutting machines raises your processes to all new level. The digital execution of your cutting orders and the control of the cut parts.

Scheduled cutting orders are available to you directly in the control and ready for processing. Your operators access all information - digitally from not only the control but by desktop or mobile phone keeping the team always up-to-date.

Production:

Cut intuitively, error-free, faster, and more accurate.

The Global Connect impressive modern design, is extremely easy to use. You see all cutting orders glance you can screens intuitively guide you through production steps.

Any additional information can be pre-configured by OmniFab and directly transferred to the controller or be added to by the operator. Rely on plate processing without manual intervention, reliable production data reports and historical traceability back to starting point.

Production automation:

Gain time for more cutting jobs.

The Global Connects prepares for the next cutting job while another cutting job is still being cut. It records machine parameters and configurations for in advance of the next cutting job.

Take the next step to automation: Since you can fully configure the cutting jobs, the machine has to the ready all the information including position and alignment of the plate.

Production monitoring:

Always keep an eye on your production progress.

You always have an overview of the actual progress in your production. Is a cutting order still being prepared, has it already started or is it finished? The Global Connect with the connection to OmniFab gives you meaningful and reliable

More technical information on back.

TECHNICAL GUIDE

Global Connect, Global Connect S, Global Connect L

DIGITAL

		Global Connect	Global Connect S	Global Connect L
Display	18.5" Multi-touch Display, IP65 Protection Rating	X	X	X
Hard Drive	≥ 8 GB DDR4-RAM	X	X	X
Storage	≥ 160 GB M.2 SSD	X		
	≥ 240 GB M.2 SSD		X	
	≥ 80 GB CFast Card			X
Processor	≥ Intel® Core™ i7-9700E 2.6 GHz, 8 Cores	X		
	≥ Intel Celeron G3900TE 2.3GHz 2 Cores		X	
	≥ Intel Atom® x5-E3940, 1.6 GHz, 4 Cores			X
Operating System	Microsoft Windows 10 IoT Enterprise 2019 LTSC, 64-Bit	X	X	X
Ethernet Network	On-board 1 x Ethernet 100/1000BASE-T	X	X	X
	Wireless hardware for connection to customer-supplied network	X	X	X
Enclosure Tool	8-position joystick, Handwheel/Feedrate override input device	X	Optional	Optional
Inputs/Outputs	EtherCAT	X	X	X
USB Ports	4 x USB 3.0 ports	X		
	1 x USB 3.0 ports		X	X
Power	USP included	X	X	X

APPLICATIONS

Global Connect: Featured on the Element 400, Element 400L Unitized, and Fiber Blade V.

Global Connect S: Featured on the Element 400, Element 400L Unitized and the Fiber Blade V.

Global Connect L: Featured on the MetalMaster 3.0.



The **Global Connect L** (Lite) featured on the MetalMaster 3.0 with the optional 8-position joystick and handwheel/feedrate.