

1530

BUILT BY OMAX



global**MAX**

# The GlobalMAX Story

OMAX has focused on providing precise, easy to use, high quality abrasive waterjets since 1993. Our development of high pressure pump technology and software that predicted the behavior of the waterjet led to the creation of machines that cut virtually anything with extraordinary precision. OMAX continued to push the evolution of our product lines and technology to meet the technical capabilities and budgetary constraints of customers. For our latest line, we aimed to extend OMAX engineering and manufacturing to those customers looking to add basic waterjet capabilities to their shop on a tight budget. We believe this product offers tremendous value to customers anywhere in the world.

## Introducing GlobalMAX

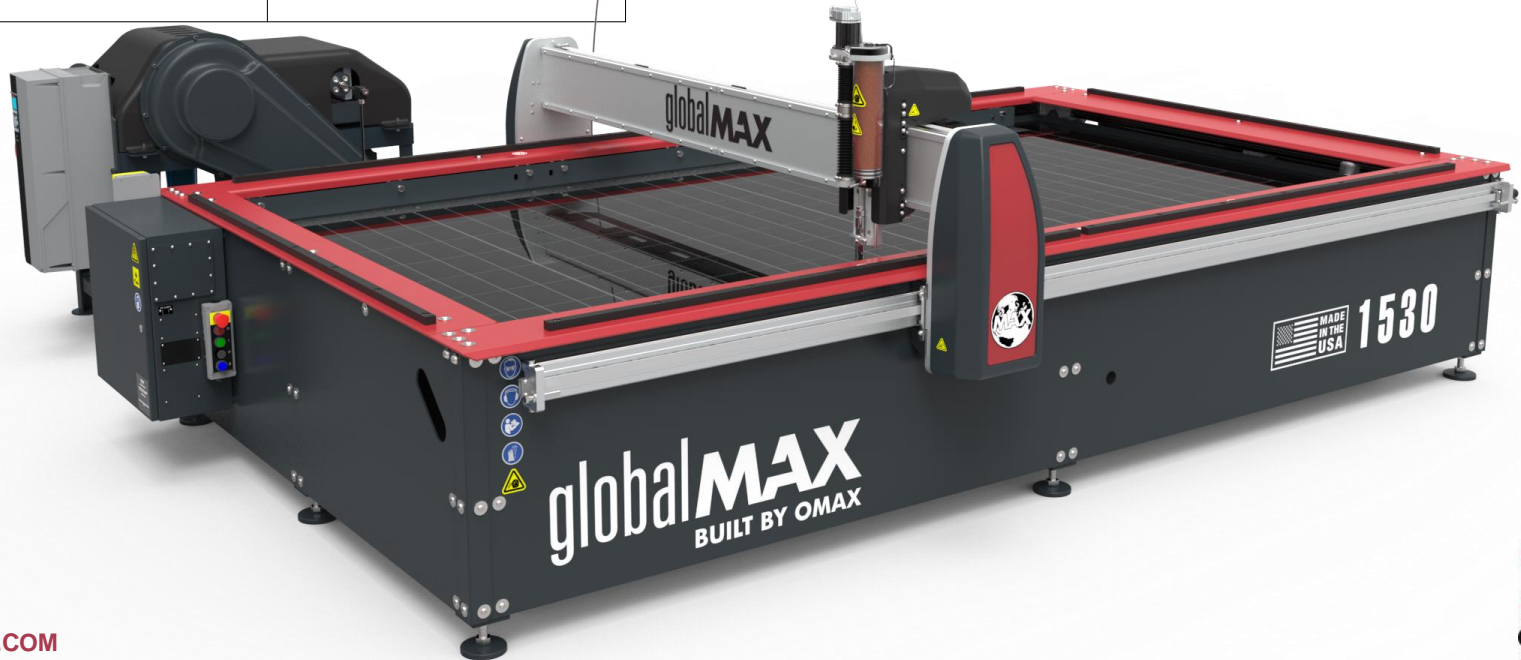
# GlobalMAX 1530

## Machine Dimensions / Cutting Dimensions

Footprint (without Control)	3.86 m x 3.66 m
Weight	1800 kg
Height (w plumbing)	2.75 m
Operating Weight	7000 kg
X/Y Work Envelope	3.05 m x 1.53 m
Z Axis Travel	125 mm

## Machine / Pump Specifications

Maximum Load	488 kg/m <sup>2</sup>
Speed (X/Y)	12.7 m/min
Output pressure	3100 bar



# Software

OMAX took our core software technology and adapted it to the needs of the GlobalMAX user

## Intelli-MAX Global

- Powered by generation 4 cutting engine
- Developed specifically for abrasivejet cutting
- Includes LAYOUT CAD and MAKE controller software

## Easy to Use Features:

- Included cost estimation tool
- Automatic tools for lead in/out, path generation and collision prediction



# High Pressure Pump

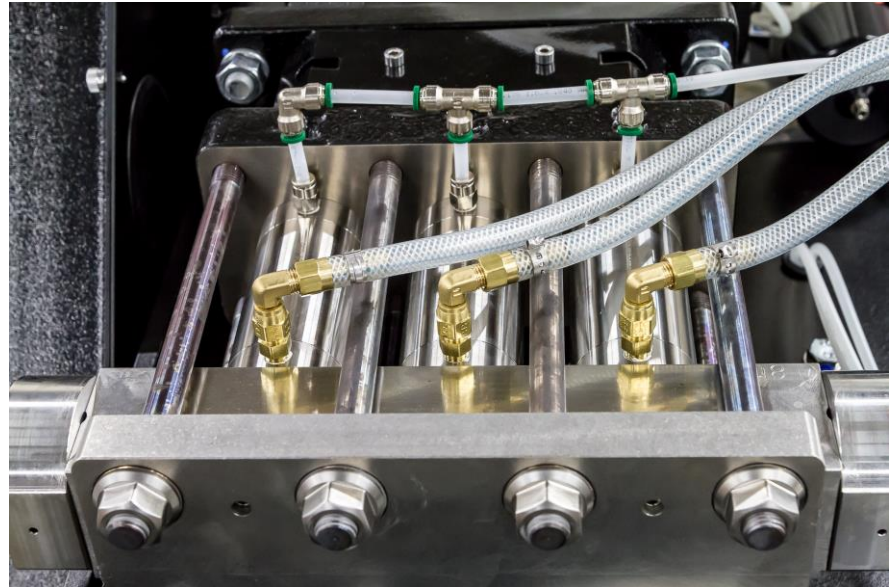
We started with a proven foundation and created a configuration that balances cutting speed with reliability

## Powerful, efficient GlobalMAX Pump

- Direct drive technology proven in thousands of installations worldwide
- 20 and 30 horsepower options
- Built specifically for GlobalMAX Jetmachining Systems

### Benefits:

- Converts over 85% electric power to cutting power
- Variable Frequency Drive allows for operating flexibility while reducing power consumption
- Designed to provide smooth pressure output for optimal cut quality



# Drive System

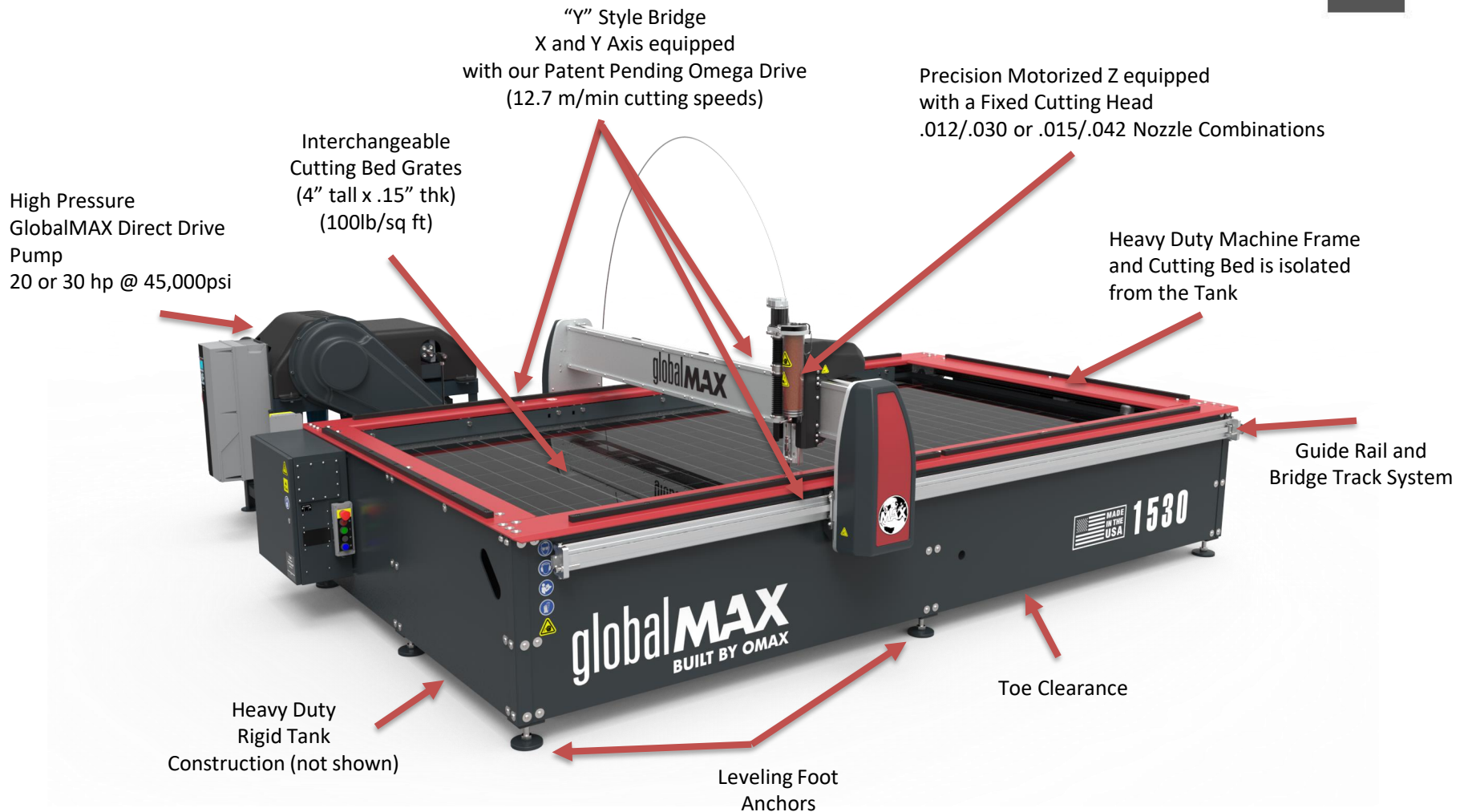
We reimagined the Rack and Pinion drive systems used by our competitor's best products and created something better

## Patent Pending Linear Omega Drive System

- Drive mechanism provides smoother transition of rotary motion to linear motion compared to Rack and Pinion
- Mechanism requires no lubrication which can attract and retain abrasive particles
- 180 degree engagement virtually eliminates backlash and improves reliability



# GlobalMAX Jetmachining Center



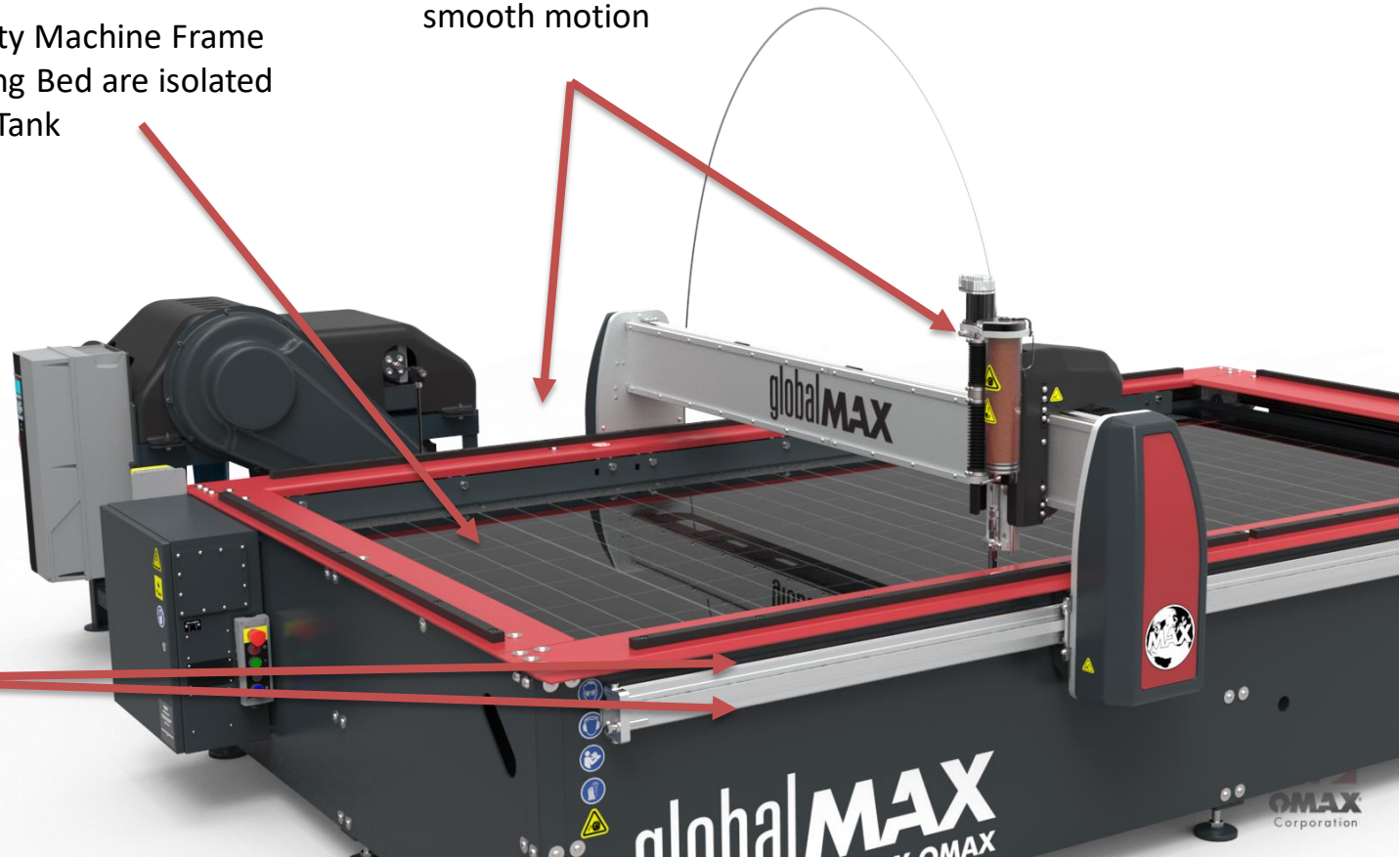
# Improving your cut quality and accuracy

OMAX engineered solutions that improve the quality of work from your waterjet

Heavy Duty Machine Frame and Cutting Bed are isolated from the Tank

Omega Drive System provides smooth motion

Hardened Stainless Steel precision ground guide rails

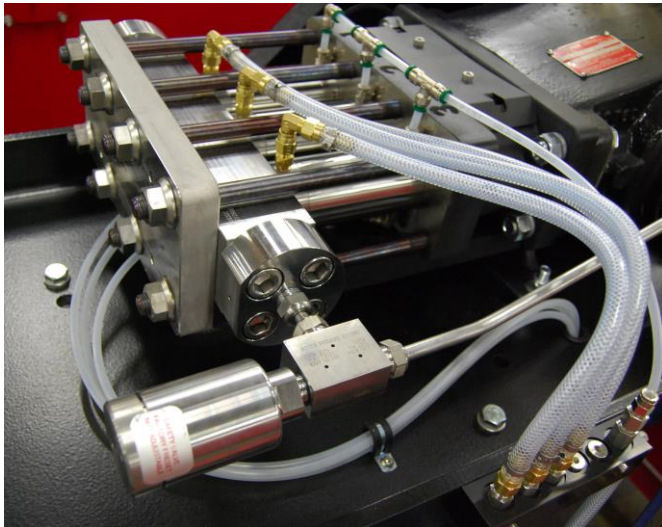


# Reliability and durability

## Innovations, simplicity and rugged materials

### Patent Pending Omega Drive

- Component wear will have minimal impact to drive systems because of the high level of engagement.
- Component replacement, if necessary, is easy and inexpensive

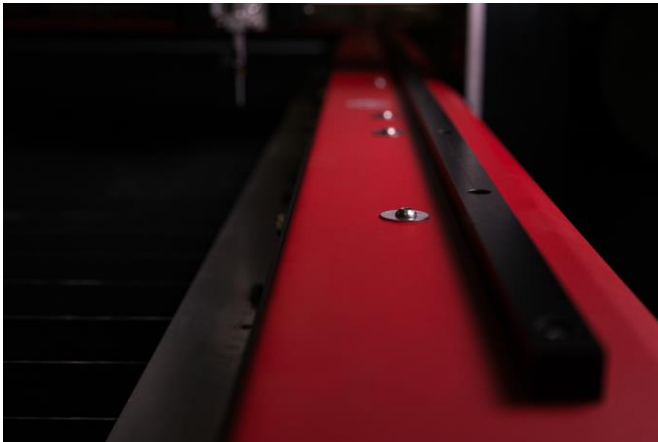


### Proven Direct Drive Pumps

- 45,000 psi pressure cuts fast and reduces stress on the high pressure components
- Capable of 500 cutting hours between maintenance cycles

# Reliability and durability

## Innovations, simplicity and rugged materials

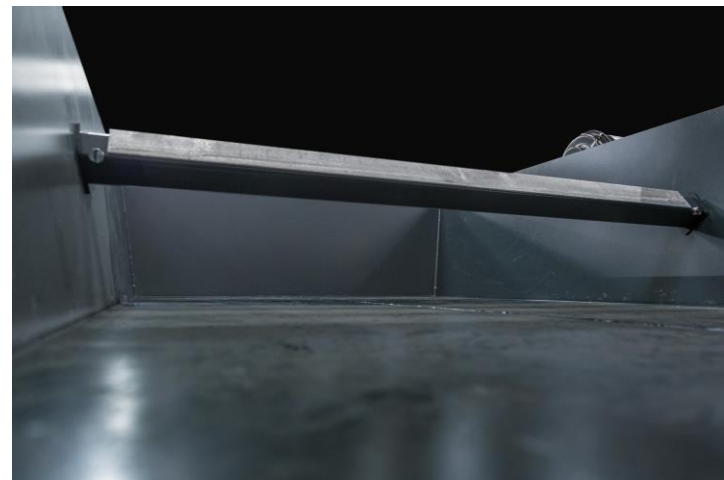


### Durable frame

- Robust frame with 3/16" steel panels
- Aluminum covers will not rust if scratched or dented

### Rugged Tank

- Epoxy coated
- 1/4 inch steel construction



# Ergonomics

The configuration of the GlobalMAX cutting area combined with the machine height and toe clearance means loading and unloading are easier



Easy access to all areas of the cutting bed



718 mm height

Toe Clearance

# Optional Accessories for Easy Operations

## Terrain follower

The OMAX Terrain Follower allows your GlobalMAX to automatically cut all parts from materials with irregular or warped surfaces without the need for special programming.



## Laser feature finder

The Laser Feature Finder helps to perform simple dry runs with this laser attached to the nozzle or Z-axis before you cut parts on valuable stock. Get a rough visual reference of where your jet stream will begin cutting by locating material features without special software.



## Drill

Designed and developed exclusively for OMAX abrasive waterjet machining, the robust Drill Head permits repeatable piercing of laminates and composites prior to abrasive waterjet cutting and accurately pierces small diameter holes in thick material. With the IntelliMAX® Global Software Suite, no separate programming is required.



# Manufactured in the US



## Manufactured in the USA

GlobalMAX tables, pumps, cutting heads, and nozzles are manufactured in the US alongside our OMAX and MAXIEM lines of waterjets. The GlobalMAX is designed and manufactured as a system to ensure complete compatibility for maximum reliability.



## World Class Quality Systems

OMAX is ISO 9001:2015 certified. From purchasing to shipping to customer service, we are committed to continuous improvement that delivers the best quality experience.

# Customer Support & Service



Insert Distributor Contact information here

## Certified OMAX Distributors

- Each OMAX distributor completed extensive training on installation and maintenance of your GlobalMAX
- OMAX distributors stock a range of parts to get and keep your GlobalMAX up and running in a hurry