

WORKHOLD BETTER



CLAMPMAX[®]
HYDRAULIC POWER SYSTEMS

HYDRAULIC CLAMPING POWER FOR THE FUTURE OF SMART MANUFACTURING

BASE UNIT



PRECISION

Built specifically to handle workholding clamp operations on fixtures that are installed on CNC machine tools. Digital control features that allow you to monitor and change pressure and flow or start and stop the unit on the fly.

DESIGN

Small, compact design that is built for longevity, mobility, and reliability. Quiet and cool operation with the ability to start and stop the unit with a 24 VDC signal.

VARIETY

Fully customizable with smart pressure, level, and flow sensors that are IoT ready. The manifolds are available with up to 12 stations, with valve stacks on each station configurable to your project's requirements. Utilize a wide range of programmable operating pressures and flows which are digitally controlled.

FLUID POWER



01

Inverter-based system designed for maximum performance while maintaining low energy consumption, low operating temperature, low noise, and minimal oil usage.



02

Capable of anywhere from 225 PSI to 3000 PSI standard, and up to 5000 PSI with boosted pressure options.

03

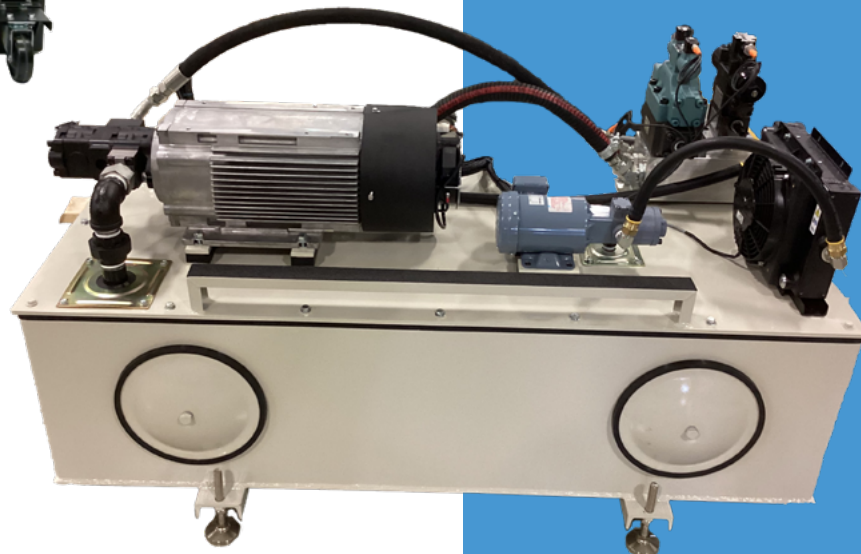
Can operate from 1 to 12 separate valve station configurations.

04

Unit capable of Live Hydraulics functioning for continuous pressure to your fixture.

05

Higher volume flow rate than conventional systems. (up to 5 GPM)

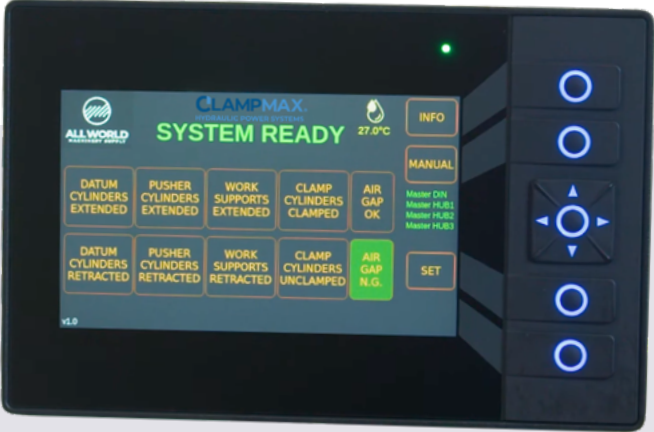


COMPATIBILITY & CONNECTIVITY



Simply integrates machine tools, robotics, and other industrial control platforms via discrete IO, Modbus, Ethernet IP, or communication protocol.

IoT-ready system with Smart Pump and Smart Sensor technology using IO Link.



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SYSTEM READY 27.0°C

DATUM CYLINDERS EXTENDED	PUSHER CYLINDERS EXTENDED	WORK SUPPORTS EXTENDED	CLAMP CYLINDERS CLAMPED	AIR GAP OK
DATUM CYLINDERS RETRACTED	PUSHER CYLINDERS RETRACTED	WORK SUPPORTS RETRACTED	CLAMP CYLINDERS UNCLAMPED	AIR GAP N.G.

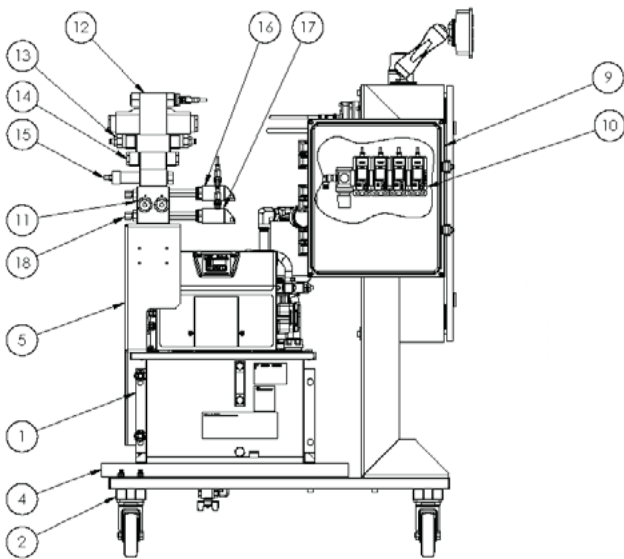
INFO
MANUAL
SET

Master DN
Master H1,B1
Master H1,B2
Master H1,B3

v1.0



CUSTOMER SUPPORT



01

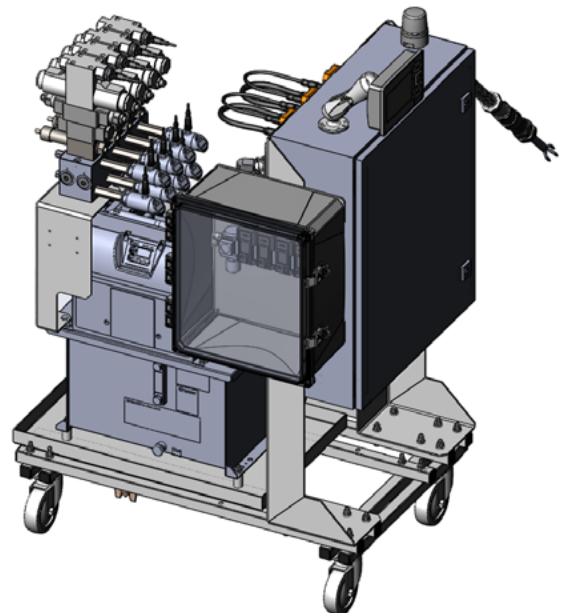
Quotes are typically completed within 24 to 48 hours, and all items are stocked for fast delivery.

02

All quotes come with a concept hydraulic schematic for a visual representation.

03

All standardized parts are in inventory. The typical lead time for unit delivery is 3-4 weeks and 1-2 weeks for expedited projects.



OPTIONAL ACCESSORIES

Precise control plus energy efficiency to fit your application.



PLC W/ INTEGRATED HMI

Robot or machine communications that allow for continuous monitoring in real time.



RELAY CONTROL

Reroute inputs and outputs without a PLC. Economic version of device operation.



LEVEL SENSOR

Level monitoring and temperature control allowing for complete operation monitoring.

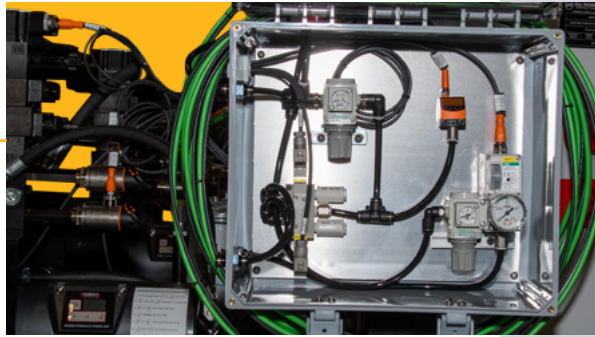


WHEEL KIT & DRAIN PAN

Options for mobility and serviceability to keep a clean workspace.

AIR BLOW BOX

Creates an air blast to clean the part feed datums on the fixtures for a clean and proper part seat.



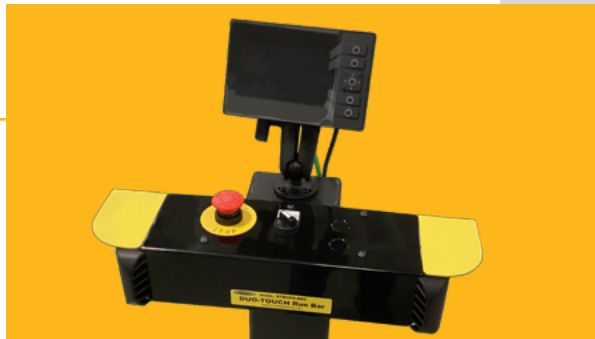
AIR GAP SENSING

Part presense detection on workholding fixtures for confirmation of proper part location.



OPTOTOUCH BAR

Floor-mounted two-handed control bar with safety relay to ensure safe operation and total control of the machine when coupling and decoupling fixtures.



COUPLED FIXTURES

Versatile manual charge handle fixture coupling for stand-alone machines and pallet pools.





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HEADQUARTERS

6164 ALL WORLD WAY
ROSCOE, IL 61073

(815) 943-9111

ALLWORLDMACHINERY.COM