



ALLWORLD
MACHINERY SUPPLY

PRODUCTS & SERVICES **GUIDE**

SALES. SERVICE. **SOLUTIONS.**



ALL WORLD IS A
SOLUTIONS PROVIDER
SUPPORTING THE
MANUFACTURING INDUSTRY

PARTS SALES | SERVICE & REPAIR | CUSTOM ENGINEERING

For three decades, the All World team has helped manufacturers around the world find premium, affordable solutions for their parts and service needs.

Whether standard issue or custom specific, our experienced team will do whatever it takes to provide our customers with a solution that works for their application and budget.

CUSTOMER RELATIONSHIPS MEAN **EVERYTHING** TO US

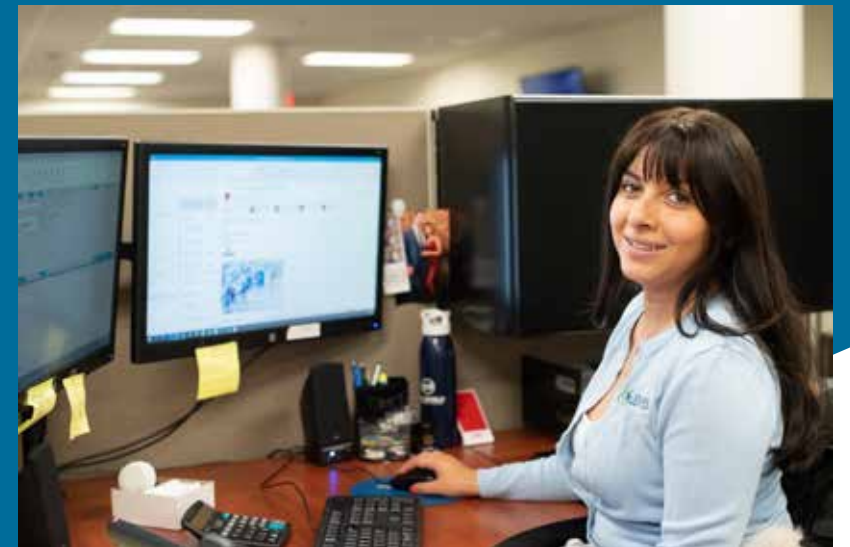
The All World customer experience means getting personalized attention and a hassle-free solution. We do this by applying our large inventory, engineering expertise, years of experience, and full-scale service capabilities to come up with a solution that fits the customer's application and budget.

When you call All World, **your problem becomes our problem.**

RELIABLE & EXPERIENCED **CUSTOMER SUPPORT**

- No minimum orders
- Same day shipping
- Competitive pricing
- Full turn-key support
- Custom engineering
- Global partnerships
- Innovative craftsmanship

100% CUSTOMER FOCUS





YOUR ONE-STOP-SHOP

FOR AFTERMARKET MACHINE TOOL PARTS

azbil

BANDO

DAIKIN

CKD

OMRON

Shell Lubricants

**ROYAL
PRODUCTS**

SAKAGAMI

YAMATAKE

NOK

PATLITE

Fuji Electric

Metrol

LUBE USA

SMC

**MITSUBISHI
ELECTRIC**

TAISEI KOGYO



KYODO YUSHI

DEUBLIN

BRANDS

A-RYUNG MACHINERY
ALL WORLD MACHINERY
AZBIL / YAMATAKE
BALLUFF
BANDO
BIJUR DELIMON
BROTHER
CHANNELLOCK
CKD USA
DAIKIN
DAITO
DEUBLIN
ESTWING
FANUC
FKD
FORSHEDA
FUJI ELECTRIC
FYH
GATES
GRACE USA
GRAYMILLS
GRUNDFOS
HABOR
Hawe
HITACHI SEIKI
HORIUCHI
HYDROKOMP
IDEC
IFM EFECTOR
IKO
INA
JOHNSON LEVEL
KANTO SEIKI
KITAGAWA
KLUBER
KOGANEI
KOMA PRECISION, INC.
KYODO YUSHI
LUBE USA
MASUDA
MAYHEW
METROL
MITSUBISHI ELECTRIC

MITSUBISHI
MURR
NACHI
NEWALL ELECTRONICS
NITTA MOORE
NOK
NOP
NSK
NTN
OGURA
OMRON
OPTIBELT
ORIENTAL MOTOR
PANASONIC
PATLITE
PHILLIPS
PIONEER STEEL
PISCO
RBI
ROYAL PRODUCTS
SAKAGAMI SEISAKUSHO
SCANWILL
SCHMERSAL
SHELL
SHOWA
SMC
SUMITOMO PRECISION PRODUCTS
TAISEI KOGYO
TAIYO
TAMAGAWA
TELEMECANIQUE
TERAL
TOKYO KEIKI
TOYO-OKI
UMV
VALQUA
VICKERS
WAGO
WILDE TOOL
WRIGHT TOOL
YAMASHIN
YUKEN



OIL CHILLER REPAIR

- Preventative maintenance or complete overhaul
- Rental units available (certain locations)
- New units in stock & ready to ship

**Also available for Habor, Kamui, Kanto Seiki, Kouwa & Mac*



SERVICES



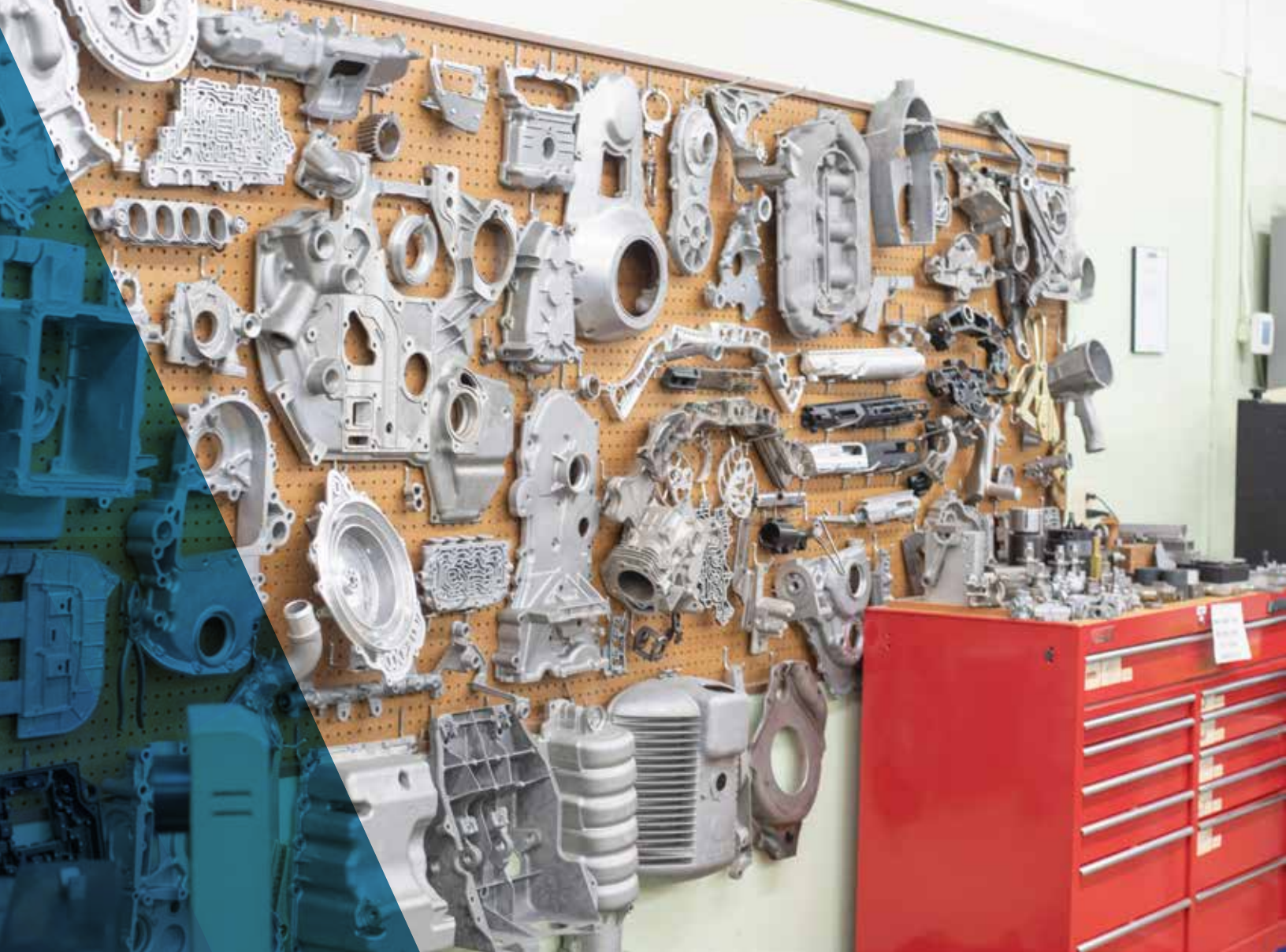
- Ball Screw Repair
- Cylinder Repair
- Chiller Repair
- Pump Repair
- Rotary Table Repair
- Spindle Repair
- PLC, Drive, & Motor Repair
- Installation (Filtration Systems)



- Diagnostic Repair
- Ball Bar Analysis & Laser Calibration
- Lubrication System Repair & Retrofit
- Machine Installation
- Preventative Maintenance Programs



- Machine Retrofitting
- Machine Rebuild & Repair



WORKHOLDING FIXTURES

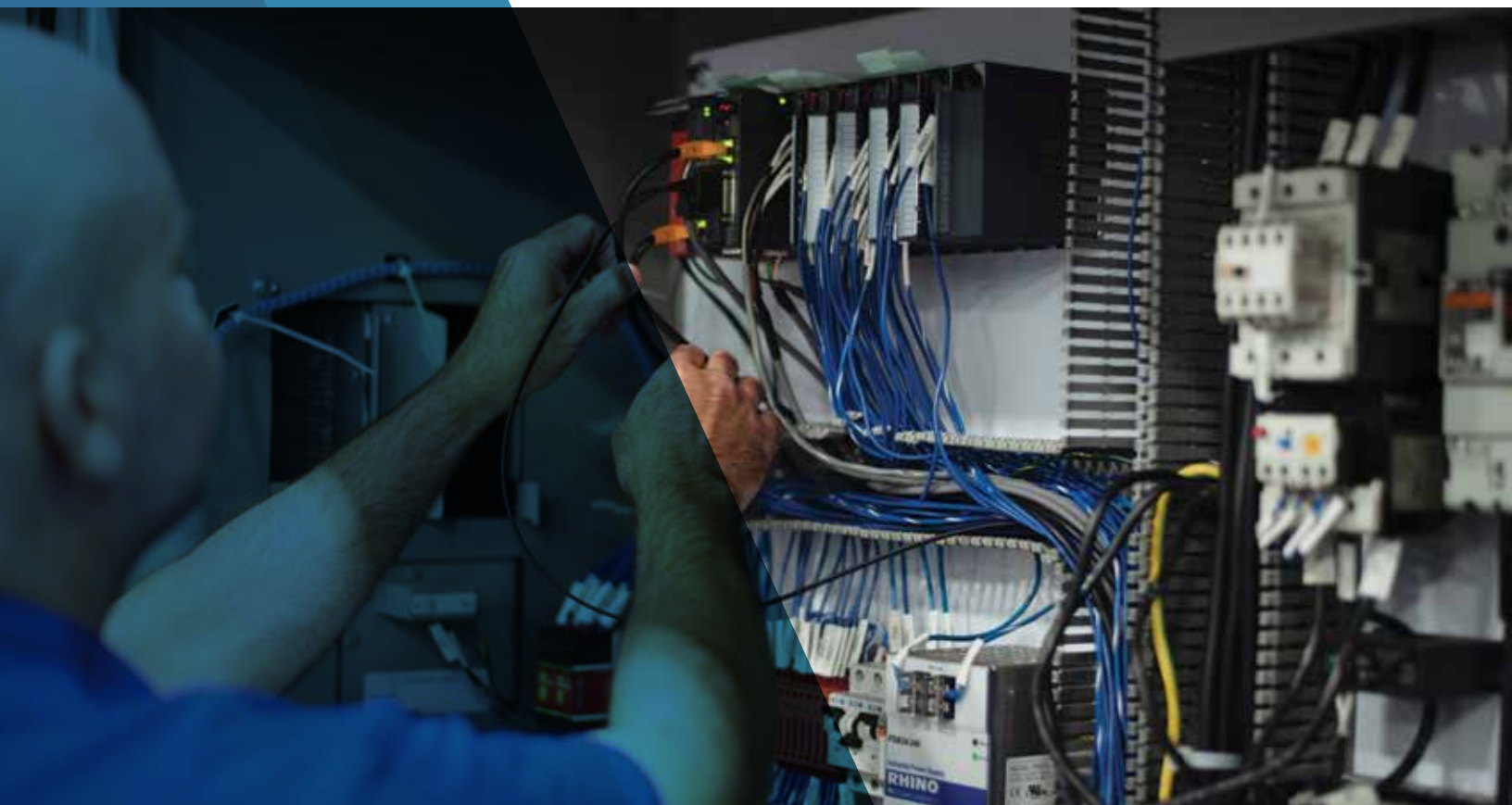
Our team has been designing custom workholding fixtures since 1963. Most of our customers require fixtures to machine parts but some use our fixtures for deburring or welding. We have designed and built custom workholding fixtures for the automotive, sporting goods, healthcare, energy and agriculture industries. Additionally, we have designed and built custom workholding fixtures to hold aluminum and magnesium die castings, sand castings, forgings, and bar stock. Our fixtures can be fully integrated into robotic cells or manually loaded on single stand-alone machines.

When choosing an engineering partner to develop your next custom workholding fixture, consider our experience. We've designed grinding fixtures for parts that weigh a fraction of an ounce and also for parts that need to be loaded with a crane. Our craftsmanship has shown our fixtures to be repeatable, reliable, durable so that they produce quality parts.

We design and build hydraulic, pneumatic and manual workholding fixtures ranging in size from 200 mm to 1000 mm. Our fixtures can be used for Vertical Machine Centers (VMC's), Horizontal Machining Centers (HMC's), lathes, both horizontal and vertical (VTL's).

Workholding services

- Hydraulic
- Manual
- Rotary



CUSTOM BUILDS

Machine tool applications are not one-size fits all. All World's engineering team specializes in custom-designed applications that are long-lasting, durable, and fit your budget.

Utilizing innovative IOT technology through our vendor partnerships with IFM Efector, Daikin, CKD, and HAWE has allowed us to bring sleek, responsive designs that are capable of bridging the gap between machine tools and automation so that your application can run more effectively. Our solutions can support transfer line systems, boring mills, vertical machines, horizontal machines, robotic workholding, robotic control, or robotic interfacing applications.



WORKHOLDING

ClampMAX® Hybrid Hydraulic Unit

All World's ClampMAX® line of products are going to forever change the way that you look at fluid power workholding applications. We have combined the brilliance of Daikin's inverter-driven hydraulics with next generation innovations brought to us by IFM Efector. By bringing these two technologies together, All World has developed the most advanced workholding hydraulic power generation systems on the market.

These units are compact, powerful, and energy efficient. Each offering multiple pressure and flow parameters with instantaneous in-operation switching to meet the needs of your most advanced applications. With the built-in control panel, setting modifications can be achieved with the touch of a button, significantly reducing initial setup time.

All valves, sensors, and unit alarms are discretely wired utilizing M12 connectors and IFM's patented I/O Hub. This provides the opportunity for a single, clearly labeled trunk cable and eliminates the need for additional terminal strips and wires to complete your setup.

Each unit comes standard with the protection of 10-micron quick spin-on return filters to ensure contamination-free operation and increased lifespan. The culmination of these technologies minimizes build cost, reduces manufacturing timelines, and simplifies future troubleshooting for your maintenance personnel.

PLASTIC INJECTION MOLDING

CorePULL Hydraulic Power Packs

Many plastic injection machine manufacturers do not want to pair a hot, loud, large, and inefficient hydraulic system next to a clean and efficient machine. CorePULL plastic injection molding hybrid hydraulic systems have an inverter controlled variable speed electric motor that solves these issues.

Once the system's desired pressure is met, the CorePULL unit slows to approximately 300 RPM while holding pressure. When there is a need for pressure, CorePULL responds by accelerating to 4,000 RPM within 1/10 of a second; accomplished by utilizing a pressure transducer to sense demands. This reduces heat generation to allow cooler operating temperatures.

Multiple cores or auxiliary functions, such as valve gates can be run using a manifold with a variety of circuit configurations. For better functionality, the keypad on the front of the CorePULL units allows for a fast and easy way to change pressure and flow.

CorePULL Benefits:

- Save up to 63% on energy costs
- No cooling water required
- Quiet operation 60 to 68 dba noise level
- Operates just above room temperature
- Inverter technology

REBUILDING AND RETROFITTING

For nearly 40 years, our technicians have been rebuilding and refurbishing these machines to their original specifications.

Upon delivery, our team will completely disassemble your machine and all components will be thoroughly inspected. During the rebuild process, our team will take your machine down to cast and rebuild it including spindle rebuild, machine scrape, electric and hydraulic inspection, sandblast, and paint all sheet metal. Machines leave our facility rebuilt to factory specifications with optimal alignment and performance.

Along with rebuilding and refurbishing machines, we also carry a large inventory of used machines for sale. These machines have been inspected, refurbished, and tested for optimal performance.

We specialize in Bridgeport, Okamoto, Harig Surface Grinders, Mitsui, and Hardinge lathes.



Bridgeport



MITSUI & CO.

HARDINGE

Okamoto

Harig





CORPORATE HEADQUARTERS

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