



IMAGINE

A W O R L D O F P O S S I B I L I T I E S

YOUR "PROBLEM SOLVER" FOR CRITICAL
SERVICE ACTUATION SYSTEMS

FLO-TORK,[®] INC.



BACKHOE



BOOM ROTATION

FLO - T O R K

IMAGINE A WORLD WHERE YOUR CRITICAL SERVICE ACTUATION PROBLEMS ARE SOLVED.



SOLAR POWERED



IMAGINE:

YOU GIVE YOUR CRITICAL SERVICE APPLICATION PROBLEMS TO AN ACTUATOR MANUFACTURER WHO TRULY LISTENS, ANALYZES THE INFORMATION, AND THEN PROVIDES THE CORRECT SOLUTION. THEY DO IT RIGHT THE FIRST TIME AND AT A REASONABLE COST. A SOLUTION THAT INCREASES YOUR SYSTEM UP-TIME AND REDUCES MAINTENANCE COST. A DOUBLE SAVINGS TO YOU!

THIS DOES HAPPEN.

IN THIS WORLD OF INCREASED PRESSURE TO PERFORM WITH REDUCED STAFFING LEVELS, HIGH PRODUCTION REQUIREMENTS, AND LIMITED MAINTENANCE TIME, WOULDN'T IT BE NICE TO BE ABLE TO PURCHASE A COMPLETE SYSTEM OPTIMIZED TO YOUR MOTION/FLOW CONTROL REQUIREMENTS?

FLO-TORK, INC. OFFERS YOU THIS CAPABILITY. WE HAVE BEEN DESIGNING MOTION CONTROL SOLUTIONS FOR A MULTITUDE OF INDUSTRIES FOR OVER 45 YEARS. FLO-TORK LISTENS, ANALYZES YOUR INFORMATION AND PROVIDES YOU WITH ROTARY OR LINEAR ACTUATORS INCLUDING COMPLETE "NATURAL SYSTEM" PACKAGES WHICH SOLVE YOUR APPLICATION PROBLEMS.

CALL US AND LET US PUT OUR DESIGN CAPABILITIES TO WORK FOR YOU.

IMAGINE BEING ABLE TO TURN THE PROBLEM OVER TO A SINGLE SOURCE. WHEN YOU KNOW YOUR PROBLEM IS UNDERSTOOD AND THE SOLUTION IS RIGHT, YOU CAN MOVE ON TO THE NEXT.....

"NATURAL SYSTEMS"

A "Natural System" includes the power supply, pump, controls, enclosures and mounting hardware required to provide you with a complete self-standing system to meet your automation requirements. FLO-TORK can design and build a complete system—direct gas, gas over oil, electro-hydraulic, electro-pneumatic for various pressures and temperature installations to meet your needs.

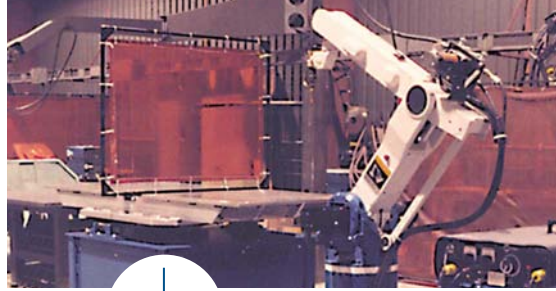
If a power source is your problem FLO-TORK'S capabilities include the supply of solar systems to meet these needs.



HYDRAULIC POWER SYSTEMS



HEAVY DUTY MILL



MULTI-POSITION ROBOTICS



POSITION CONTROL

D I D Y O U K N O W

HEAVY DUTY MILL

ACTUATORS ARE USED IN HIGH CYCLE SEVERE ENVIRONMENT APPLICATIONS INCLUDING EDGE GUIDES, COIL BOXES, ROLL CHANGING AND ROTARY OR INDEXING TABLES. TORQUE RANGES OFTEN EXCEEDING 1,000,000 IN. LBS.

SOLAR POWER

WHEN POWER IS NOT AVAILABLE OR THE RISK OF POWER FAILURE IS NOT ACCEPTABLE, AN ALTERNATIVE IS AVAILABLE WITH SELF CONTAINED SOLAR POWER. SYSTEMS INCLUDE AC OR DC ELECTRO-HYDRAULIC PUMPS, BATTERY BACKUP, HAND PUMPS, MANUAL OPERATIONAL OVERRIDES AND REMOTE CONTROL SYSTEMS.

MULTI-POSITION ROBOTICS

ARTICULATED MOVEMENTS REQUIRING LONG CYCLE LIFE AND CUSTOMIZED DESIGNS ARE AVAILABLE. OUR "PROBLEM SOLVER" APPROACH WILL PROVIDE THE RESULTS NEEDED.

MOBILE

UNIQUE DESIGNS THAT ARE ADAPTED TO EXISTING EQUIPMENT AND MEET THE TOUGH MOBILE USE REQUIREMENTS. APPLICATIONS INCLUDE CEMENT CHUTE ROTATIONS, JIB CRANES, CONVEYOR POSITIONING, BACKHOE BOOM ROTATION, MINING EQUIPMENT, MAN LIFT BOOM POSITIONING AND STEERING.

POSITION CONTROL

CRITICAL APPLICATION REQUIREMENTS OF THE AUTOMOTIVE, STEEL, ALUMINUM, PAPER AND FABRIC INDUSTRIES HAVE BEEN SOLVED. THESE PROJECTS INCLUDE TENSIONING, LEVELING, POSITIONING, LOADING AND UNLOADING MACHINES, PARTS ROLLOVER, TILTING AND DUMPING AND LEVELING. ANY TYPE OF ROTARY OR LINEAR MOTION CONTROL.

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WHEN YOU NEED...

- TECHNOLOGY AND FLEXIBILITY OF DESIGN
- QUALITY—PRIMARY SUPPLIER OF CRITICAL SERVICE ACTUATORS FOR U.S. NAVY NUCLEAR SUBMARINES
- HEAVY DUTY HYDRAULICS UP TO 3000 PSI
- HIGH TORQUE CAPABILITY UP TO 50,000,000 LB-IN
- HIGH SPEED CLOSING CYCLES
- EXTENDED CYCLE LIFE
- SPECIAL ROTATION CAPABILITY
- ZERO LEAKAGE
- HIGH MECHANICAL EFFICIENCY
- SPECIAL CUSHIONS AND STROKE ADJUSTORS
- MINIMUM BREAKAWAY PRESSURE
- CUSTOM SHAFTING AND MOUNTING VARIATIONS
- CUSTOM SEALING ARRANGEMENTS
- ENGINEERING SERVICES

LOOK TO FLO-TORK FOR ALL YOUR ACTUATOR SOLUTIONS, FROM STANDARD TO CUSTOM DESIGN



MOBILE

A STORY OF PROGRESS

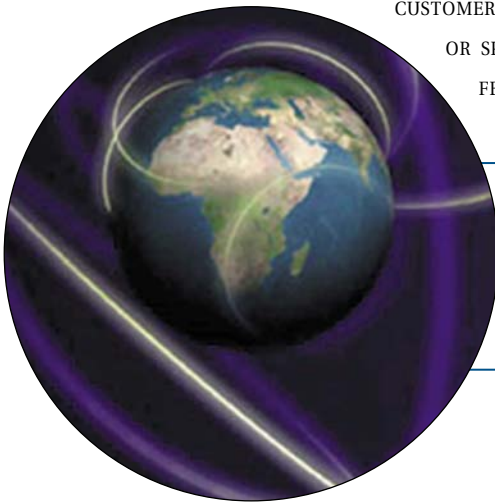
Since its beginning in 1957, FLO-TORK has been recognized for its original approaches to motion design technology and its ability to specialize in rotary actuator applications. These achievements have been made possible by a strong engineering staff that enables the company to custom design components-tailoring unique materials, tolerances and design specifications to each customer's needs.

FLO-TORK, INC. WAS FOUNDED IN 1957 BY JULIUS FEJES, A RESOURCEFUL AND TALENTED ENTREPRENEUR. THE COMPANY'S INITIAL FOCUS WAS PROVIDING HIGH RELIABILITY ACTUATOR SYSTEMS FOR CRITICAL MILITARY AND INDUSTRIAL FLUID POWER APPLICATIONS.

IN THE 1980S, FLO-TORK, INC. BEGAN APPLYING THIS EXPERTISE TO DEVELOPING ACTUATOR PRODUCTS DESIGNED FOR CRITICAL SERVICE APPLICATIONS. THE COMPANY HAS CONTINUED TO EXPAND PRODUCT LINES TO MEET THE NEEDS OF AN EVER-CHANGING MARKETPLACE.

TODAY FLO-TORK OFFERS ONE OF THE BROADEST PRODUCT RANGES OF HYDRAULIC, PNEUMATIC AND ELECTRIC ACTUATORS AVAILABLE TO THE INDUSTRY.

FLO-TORK'S STRENGTH CAN BE SUMMARIZED AS ITS ABILITY TO MEET THE CUSTOMERS' NEEDS. THESE NEEDS MAY UTILIZE STANDARD PRODUCTS OR SPECIALIZED DESIGNS THAT INCORPORATE UNIQUE CONCEPTS, FEATURES AND MATERIALS THAT SOLVE THE MOST DEMANDING APPLICATION REQUIREMENTS.



FLO-TORK'S PHILOSOPHY IS: GIVE US YOUR CRITICAL SERVICE ACTUATOR SYSTEM PROBLEMS AND WE WILL SOLVE THEM!

I M A G I N E THE POSSIBILITIES...

A WORLD OF POSSIBILITIES

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