



**KRAFT**  
FLUID SYSTEMS

**THE MOBILE SYSTEMS  
INTEGRATION EXPERTS**

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[WWW.KRAFTFLUID.COM](http://WWW.KRAFTFLUID.COM)





# HYDRAULICS



## CATEGORIES



### PUMPS

Open & Closed Circuit  
Piston, Gear



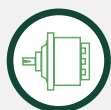
### MOTORS

Bent Axis, Axial Piston,  
Radial Piston, LSHT Orbital,  
Gear, High-Torque Vane



### VALVES

Proportional, Sectional,  
Monoblock, Cartridge,  
HIC & Hybrid Assemblies



### FINAL DRIVES

Planetary Gearboxes,  
Slew Drives, Input Adapters,  
Right-Angle Drives, Axles



### CONTROLS

Mobile Electronic Controllers,  
Displays, Joysticks, HMI Devices,  
Telematics

## WHAT WE DO

Kraft Fluid Systems specializes in developing and supplying customized system solutions that optimize performance, reliability, and cost to meet the rigorous requirements of our mobile equipment OEM clients. We focus on industries such as construction, work truck, mining, agriculture, forestry, material handling, defense, oil & gas, turf care, and specialty equipment.

We deliver fully integrated systems using mobile hydraulic, electronic, and electrification components from the top manufacturers in the industry.



# HYDRAULICS LINE CARD



**Danfoss Power Solutions**  
Open and closed circuit piston products, LSHT motors, steering, proportional valves, mobile electronics, gear pumps and motors, cartridge valves and custom HICs



**HBC-radiomatic**  
Radio remote controls



**MP Filtri USA**  
Filtration, particle counters, reservoir accessories



**SPICER**  
Torque-Hub®

**Spicer® Torque-Hub®**  
Torque-Hub® final drives, input adapters, right-angle drives



**HydraForce**  
Cartridge valves, custom manifolds and HICs, proportional valve drivers



**Concentric**  
Gear pumps, motors, rotary flow dividers, hydraulic power packs



**Argo-Hytos**  
Directional control valves, filtration



**ASA Hydraulik**  
Heat exchangers, butterfly valves



**Daman**  
Standard and custom hydraulic manifolds



**Durst**  
Pump drives, transfer cases, bevel drives, worm drives, parallel shaft gearboxes



**elevāt**  
Mobile machinery IoT solutions



**Emmegi**  
Heat exchangers, combination coolers



**Geartek**  
Cast iron gear pumps, motors, flow dividers



**Hydro-Gear**  
Hydrostatic transaxles, closed circuit piston pumps, wheel motors



**Hydro Leduc**  
Fixed displacement piston pumps and motors



**Kinematics Manufacturing**  
Slew rings, slew drives



**Mico**  
Off-highway brakes, actuators, controls



**miniBOOSTER**  
Hydraulic pressure intensifiers



**MTS Sensors**  
Linear position and liquid-level sensors



**Murr Elektronik**  
Distribution blocks, cables, connectors



**Rineer Hydraulics**  
High-torque vane motors



**Rotary Power**  
Heavy-duty radial piston motors



**SFP Hydraulics**  
Hydraulic accumulators



**Sure Grip Controls**  
Joysticks, control handles



**Topcon Electronics USA**  
Rugged displays, operator panels



**Walvoil / HydroControl / Galtech**  
Sectional and monoblock valves, hydraulic remote controls, selector valves



**Valvole**  
Counterbalance valves, electronic controllers

# ELECTRIC DRIVES



*Battery-Powered Machine with Diesel Backup*

## WHAT WE DO

Our experience applying electric drives for optimized vehicle performance began over 25 years ago with fully integrated DC wheel drives for automated guided vehicles (AGVs). Our knowledge and in-house capabilities have expanded to include AC induction and permanent magnet synchronous motors, generators, motor controllers, application software development, batteries, and chargers. Our success has grown beyond the material handling industry by expanding into fully electric and hybrid off-highway mobile equipment, agricultural machinery, theme park technologies, aviation ground support equipment, mining vehicles, and custom utility vehicles.

Kraft delivers complete integrated electric drive systems for mobile applications across the USA and Canada.



## CATEGORIES



**WHEEL DRIVES**  
Integrated Vertical & Horizontal  
Drive Systems, Axles



**MOTORS**  
Traction, Steer,  
Hydraulic Pump-Motor,  
Hybrid Generator Motor



**CONTROLLERS**  
Motor Controller Inverter,  
Master Vehicle Controller



**BATTERY SYSTEMS**  
Lithium-Ion Batteries,  
Battery Management  
Systems, Chargers



**ELECTRONICS**  
Encoders, Displays,  
Radio Controls



# ELECTRIC DRIVES LINE CARD



**Schabmüller**  
Integrated wheel drive packages,  
low voltage and high voltage motors,  
pump motors



**Vanguard by Briggs & Stratton**  
Fully integrated lithium-ion  
battery solutions



**InMotion**  
Low voltage and high voltage  
motors, motor controllers



**Concentric**  
Hydraulic power packs, electro-hydraulic  
steering units, electric water pumps



**Delta-Q**  
Industrial battery chargers



**elevāt**  
Mobile machinery IoT solutions



**HBC Radiomatic**  
Radio remote controls



**Kinematics Manufacturing**  
Slew rings, slew drives



**Murr Elektronik**  
Distribution blocks,  
cables, connectors



**Posital Fraba**  
Encoders,  
inclinometers



**Danfoss Plus+1**  
Mobile electronics, microcontrollers,  
displays, joysticks, sensors,  
Plus+1® GUIDE



**Danfoss Editron**  
High voltage motors and power  
converters, 30kW TO 1000kW



**Spicer® Torque-Hub®**  
Torque-Hub® final drives,  
input adapters, right-angle drives



**Schafer Driveline**  
Utility vehicle axles



**Schwarz Müller**  
Low voltage Plus+1®  
mobile inverters



**Shilla**  
Slew rings,  
slew bearings



**Superior Tire & Rubber**  
Rubber and polyurethane  
wheels and casters



**Sure Grip Controls**  
Joysticks, control handles



**Topcon Electronics USA**  
Rugged displays,  
operator panels



**Valence**  
Lithium-ion  
battery solutions



**Zivan**  
Onboard and stationary  
battery chargers

# SYSTEMS INTEGRATION

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## MOBILE HYDRAULICS

Complete open and closed circuit system design for medium and high power applications. Components from Danfoss, HydraForce, and other leading manufacturers in the mobile hydraulics industry.

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## ELECTRIC DRIVES

Experienced in drive systems, lithium-ion batteries, and battery management systems for AGVs, battery powered vehicles, and hybrid machinery.

Kraft Fluid Systems works in partnership with clients as an extension of their engineering team to integrate mobile hydraulic, electric drive, and electronic control systems. Our mobile hydraulic sales team members, all of whom maintain Hydraulic Specialist certification through the International Fluid Power Society, write specifications, skillfully design hydraulic circuits, and select components.

Our electric drive sales team has acquired highly specialized knowledge and experience applying a wide range of electric drive solutions on fully electric and hybrid machinery.

Together, both teams collaborate with innovative clients to bring low emission, electrified mobile machines to market that are quiet and energy efficient.

Both sales teams are supported by Kraft's experienced application engineering department. In addition to mobile hydraulic and electric drive system design, Kraft's engineering team expertly develops and programs intelligent machine control systems for the unique needs of our diverse client base.

Our sales and engineering teams deliver value through a keen focus on client needs and market demands, offering education on new products and technologies. Our mission is to align customer-defined value with integrated systems that deliver the best cost, profitability, and results for our clients.

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## MOBILE ELECTRONICS

Comprehensive electronic control systems design including programming, displays, joysticks, radio controls, operator panels, wiring harnesses, steering, and telematics.

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## POWER TRANSMISSION

Full integration of hydraulic and electric motors with planetary gearboxes for track, wheel, and shaft output applications. Fully integrated slew drives and small vehicle axle assemblies.

# ABOUT KRAFT



## THE MOBILE SYSTEMS INTEGRATION EXPERTS

Kraft Fluid Systems is the leading distributor of mobile hydraulic equipment and electric drive solutions in the Midwest United States. The company sells, services, and inventories products from world class manufacturers. With almost 50 years of experience, Kraft is the preferred distributor when seeking hydraulic components, power transmission equipment, electric drive technologies, and electronic controls for mobile OEM integrated solutions.

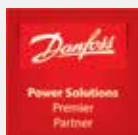
We are known as the mobile systems integration experts. The employee-owners at Kraft have the technical expertise and knowledge to provide the best custom solutions based on decades of hands-on experience and training like no other in the industry.

Kraft helps clients sell more machines using our world-class products, creativity, and passion, to develop the best application solutions.

### KFS SERVICES & RESOURCES



- Danfoss Premier Partner
- Danfoss Hydrostatics Build Center
- Danfoss PVG Build Center
- Danfoss Plus+1® Programming
- Danfoss Service & Repair Center
- Torque-Hub® Service & Repair Center
- Custom Manifold Assembly & Test
- Custom Power Unit Assembly & Test
- System Development
- Prototype Testing
- Field Startup Assistance
- Customer Training Sessions
- Customer Stock Programs
- Hydraulic & Electrical Schematics
- IFPS Certified Personnel
- Troubleshooting Assistance





# SALES TERRITORY

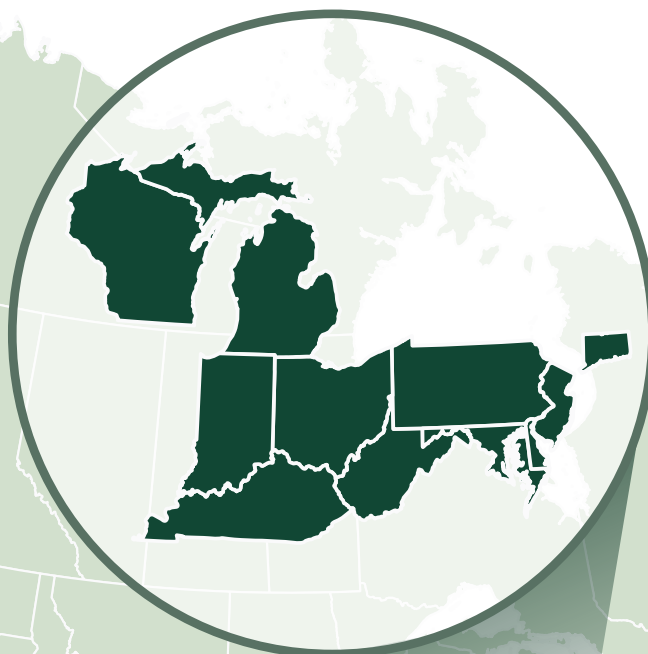
Headquartered in Cleveland, Ohio, with 12 sales offices, Kraft Fluid Systems is able to provide each client with fast, responsive service.

## MOBILE HYDRAULICS

- Connecticut
- Delaware
- Indiana
- Kentucky
- Maryland
- Michigan
- New Jersey
- Ohio
- Pennsylvania
- West Virginia
- Wisconsin

## ELECTRIC DRIVES

- United States
- Canada



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