COMOSO

CONTROLLED MOTION SOLUTIONS

MFCP company

CONTROL PANEL SOLUTIONS

OUR VALUE PROPOSITION

Controlled Motion Solutions/Motion & Flow Control Products is a team of engineers, technicians, and salespeople that work together to support the production and implementation of your control panels.

Comoso/MFCP specializes in bringing innovative solutions into the controls that operate your manufacturing processes. We do this by establishing a collaborative relationship, sharing expert advice, and offering unique designs to deliver a one-of-a-kind control panel platform based on the customer's requirements. This is not a "one size fits all" solution; we work with you to find what works best for your business.

We consider the whole system need, not just your product needs. Our team can design & install anything from OEM controls to custom-engineered control solutions to fit your unique needs. We provide high-quality service that is on time and within budget. With Comoso/MFCP, quality doesn't come with a price; it comes as a standard.

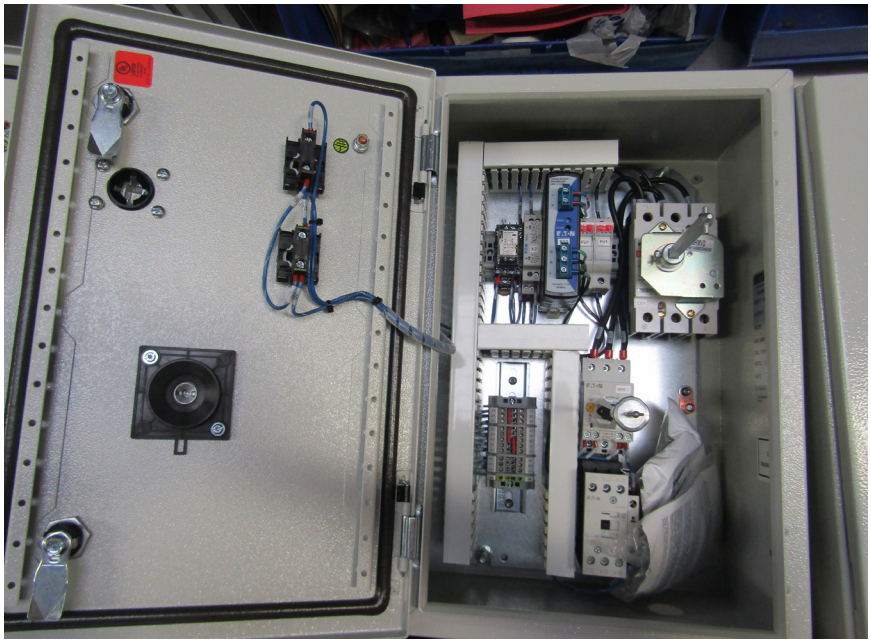
We make sure to use the best industry practices and standards for all of our work. UL-508A is the industry's most widely recognized electrical industrial control panel standard. UL-508A helps to ensure the safe and reliable operation of all types of electric and electronic equipment. Comoso/MFCP is certified UL-508A.

The control panel is a crucial part of any project, and it's even more critical when you want to create something innovative. We're always looking for new ways to help our clients meet their specific needs while staying on the cutting edge of technology--let us know what your requirements are to assist you better. We listen and understand. The technical sales voice is our specialty, and it's why so many OEMs trust us when designing control panels--because they are more complicated than they look!

If you're a manufacturer looking for a knowledgeable, collaborative partner in the production of your control panels, Comoso/MFCP is here to help. We specialize in bringing advanced solutions and front-line control panel technology to control hydraulics, pneumatics, or electromechanical products. We offer OEM scale or one-of-a-kind control panel solutions to improve efficiency and maximize profitability for your business from start-up companies with limited resources or established manufacturers seeking new technology or competitive edge.

Contact us for quality, competitively priced products and solutions from industry experts.

CONTROL PANEL EXAMPLES



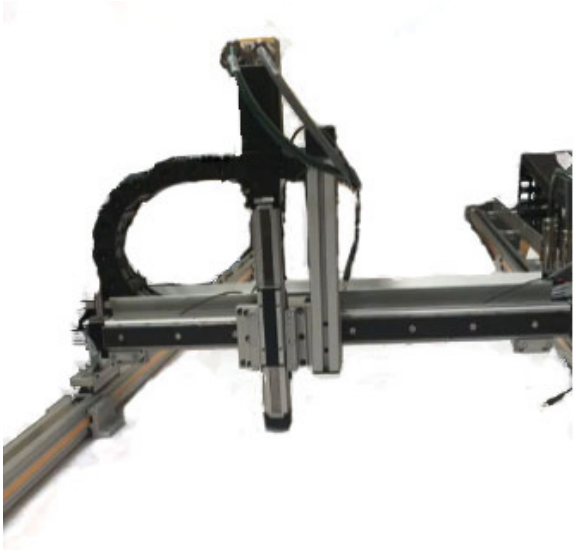
MOTOR & PUMP PANELS

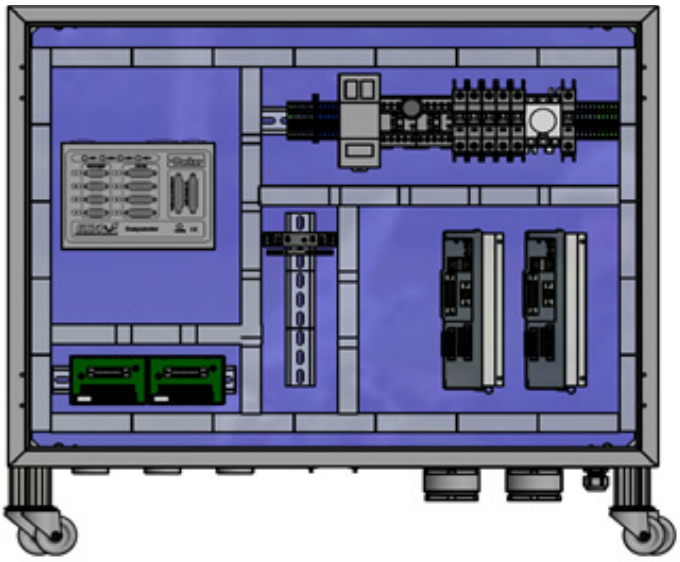
MOTOR AND PUMP PANELS

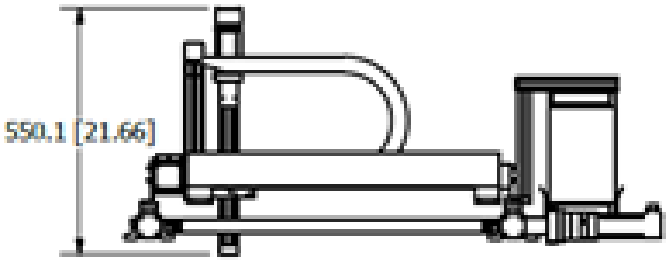
- Hydraulic power units control panels
- Water Pump
- Farming/irrigation pump panels
- AC/DC drives and related controls
- Softstart pump panels
- DOL pumps

508A

MECHATRONIC SYSTEMS

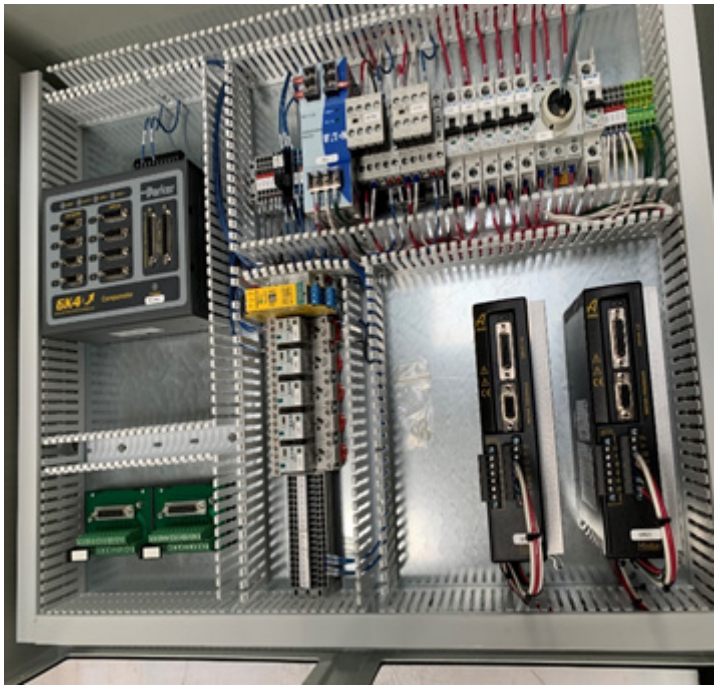




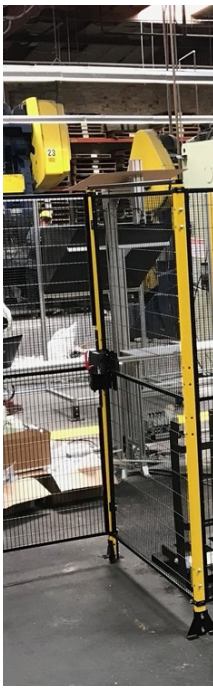


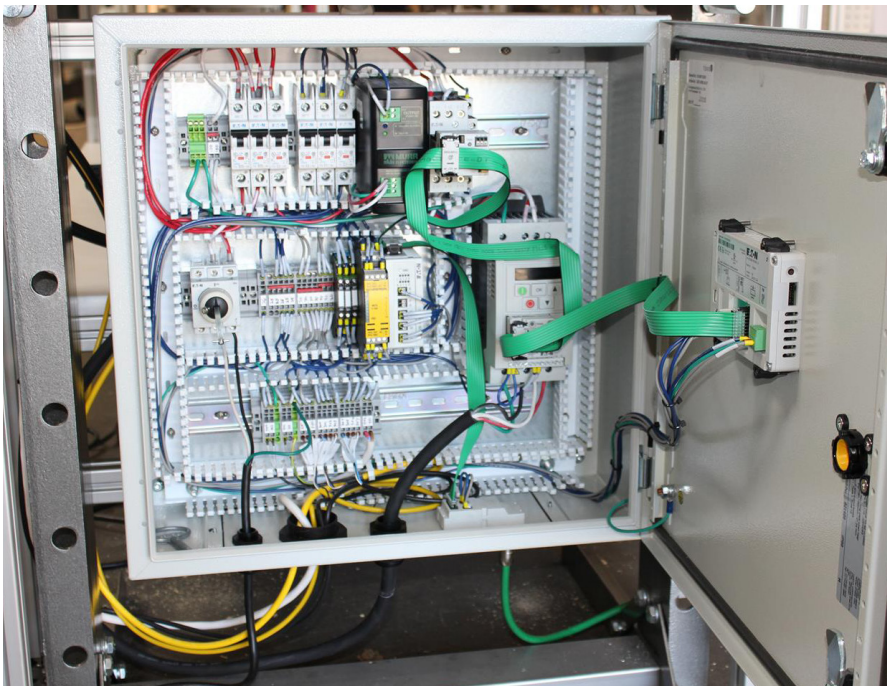
CUSTOM MECANICAL AND MOTION CONTROL SYSTEMS

- Positioning Systems
- Gantries
- Press Systems
- Motion Control Panels
- Customer Systems
- Factory Authorized Training
- Motion Controller and Drive Programming

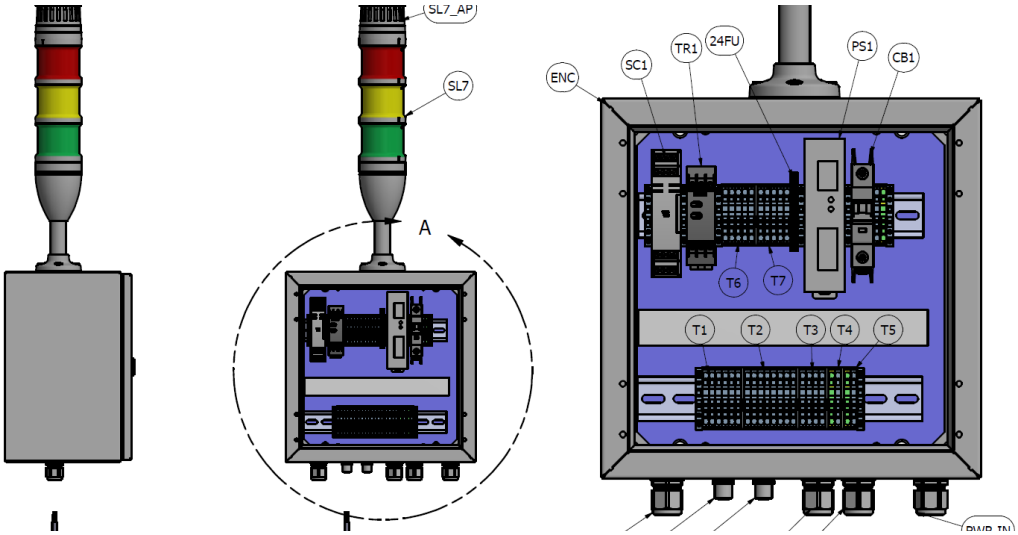


SAFETY CONTROL PANELS



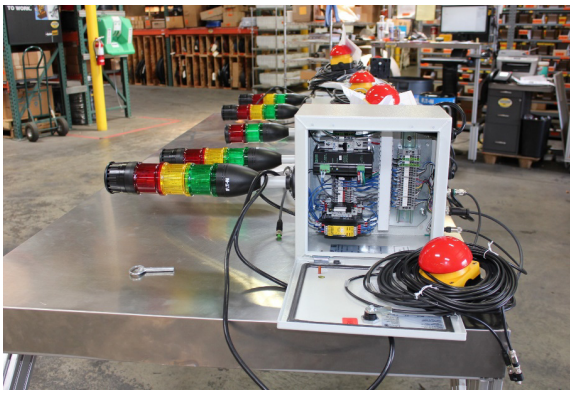


SAFETY CONTROL PANELS

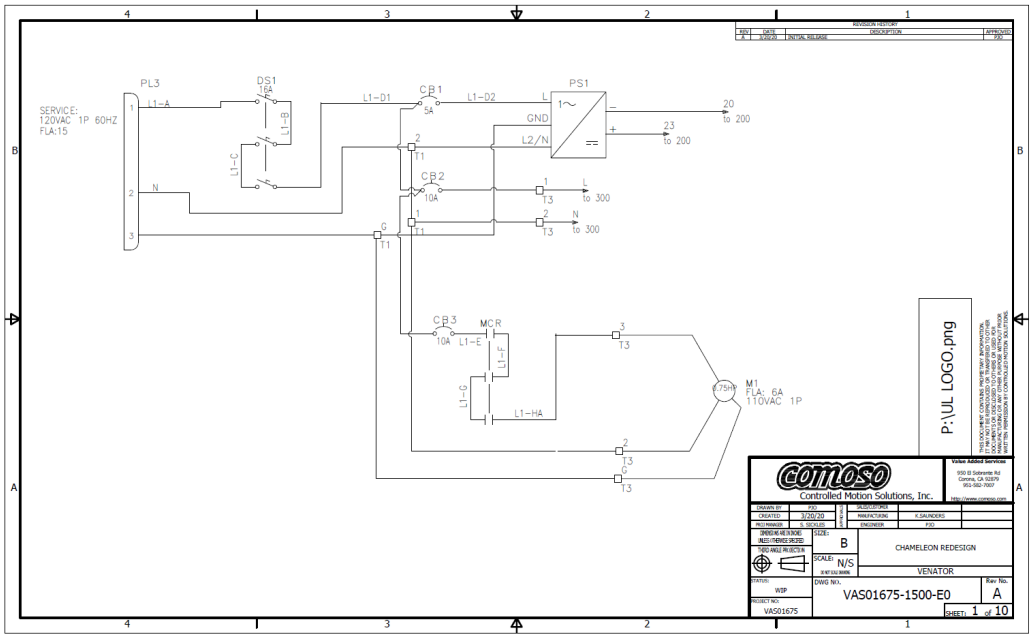


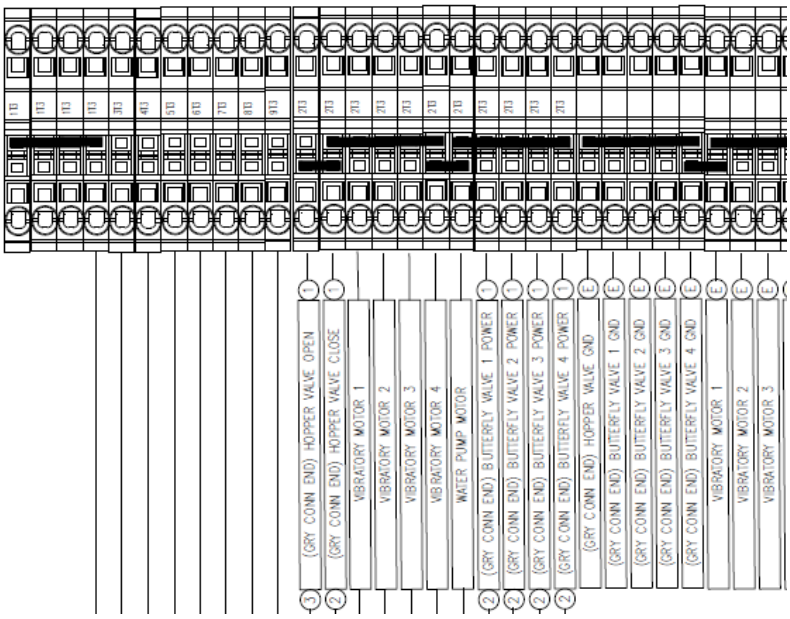
SAFETY CONTROLS

- Built to meet ISO 13849 CAT4
- Integration with
- Hard Guarding
- Pneumatic Controls
- Safety Interlocks
- Light Curtains



SCHEMATIC DEVELOPMENT

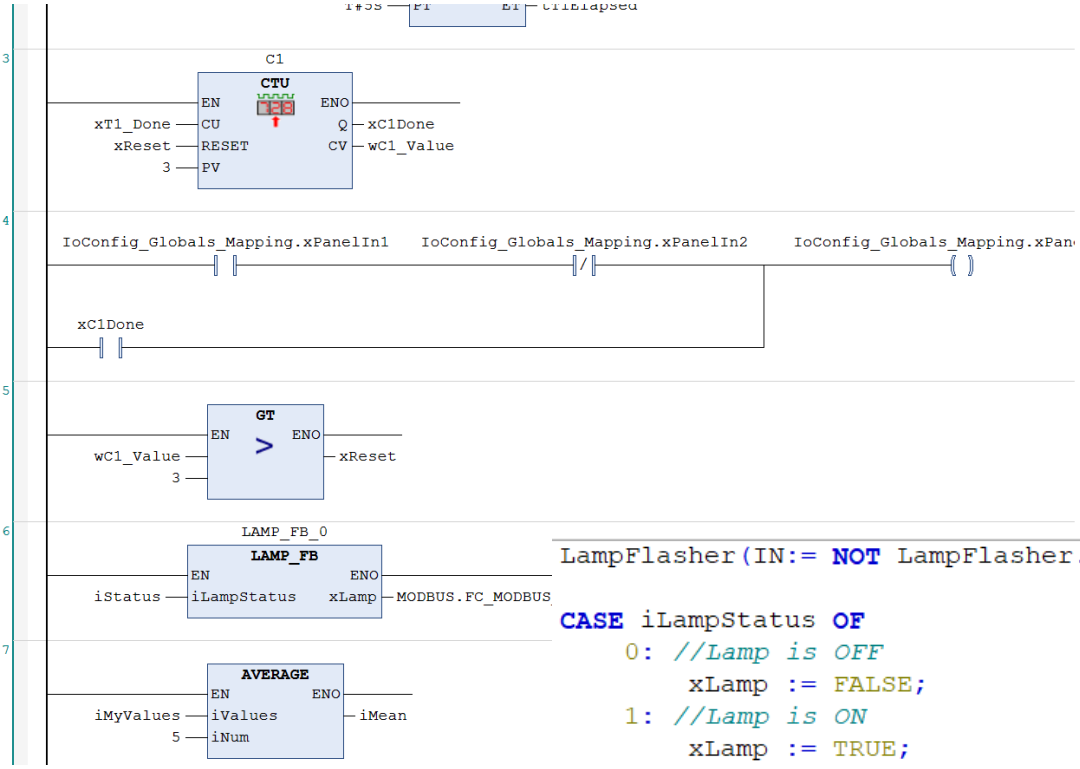




CAPABILITIES

- Fully documented schematics
- 3D layout of enclosure ensures all components fit with proper clearance
- Detailed Terminal Block Diagrams to ease field wiring
- Revision control to ensure proper build
- Full BOM development based on scope of work/technical requirements

PROGRAM DEVELOPMENT




```
LampFlasher(IN:= NOT LampFlasher.Q, PT:= T#2000MS);

CASE iLampStatus OF
    0: //Lamp is OFF
        xLamp := FALSE;
    1: //Lamp is ON
        xLamp := TRUE;
    2: //Lamp Flashes,
        xLamp := LampFlasher.ET > T#1000MS;
ELSE
    //Turn xLamp off with invalid status
    xLamp := FALSE;
END_CASE
```

CAPABILITIES

- Programming to IEC 61131-3 including Ladder and Structured Text
- HMI/Web Visualization Programming
- Fieldbus Expertise - EthernetIP, Profinet, ModbusTCP, EtherCAT, CANOpen, DeviceNET, Profibus, OPC UA and more
- IIOT connectivity

eCOCKPIT

CODESYS

OEM CONTROL SYSTEMS

CAPABILITIES

- Scale production without capital expense and additional labor
- Build to print or developed by Comoso/MFCP
- Factory Acceptance Testing
- Start-up & Commissioning Assistance
- Maintenance Recommendations

KEY PARTNERS

BANNER®

WAGO

TURCK
Your Global Automation Partner

YASKAWA

Parker

DELTA
COMPUTER SYSTEMS

SCE SAGINAW CONTROL & ENGINEERING
Your Enclosure Source ®

ALLIED MOULDED PRODUCTS, Inc.

HellermannTyton

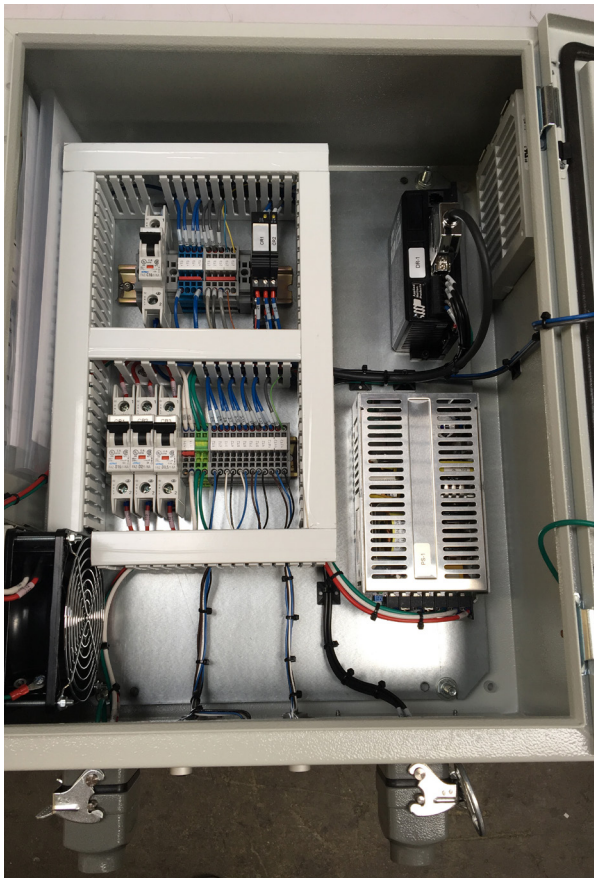
häwa

MURR ELEKTRONIK

SCHMERSAL
THE DNA OF SAFETY

Lovato electric

EATON
Cutler-Hammer



CAPABILITIES

Products

Actuators, Stages & Cylinders
Automation Components
Compressed Air Equipment
Controls
Drives & Motors
Electrical
Filtration
Gauges & Measurement
Hose, Tubing & Fittings
Hydraulics
Machine Safety
Mobile & Truck
Pneumatics
O-Rings & Seals
Sensors & Switches
Tools & Assembly
Vacuum
Valves

Services And Capabilities

24 Hour Mobile Hose Service
Seal Kitting Services
Hose Kitting Services
Cylinder Interchanges
Hydraulic Component Repair
Tube Bending and Fabrication
Rental Units/Equipment
Vendor Managed Inventory

Engineered Solutions

Control Systems & Enclosures
Standard Hydraulic Power Units
Custom Hydraulic Power Units
Custom Hydraulic Manifolds
Pneumatic Systems & Assemblies
Seal Engineering
System Installation
System Design
Schematics
Custom Machine Guarding
Workstations & Workcells

Technologies

Automation
Compressed Air & Pneumatics
Controls/Control Panel
Electromechanical
Filtration
Hose, Tubing & Fittings
Hydraulics
Mobile Controls & Hydraulics
Machine Safety
Seals & Engineered Materials

COMOSO

CONTROLLED MOTION SOLUTIONS

MFCP company

People, Products & Performance

With Controlled Motion Solutions, you will find more than a distributor; we are a solutions provider. Comoso provides solutions to virtually everything that moves or requires control. As your fluid power specialist, we provide motion and control technology systems and engineering services for a wide variety of commercial, mobile and industrial markets.

Our Product Expertise:

- Actuators, Stages & Cylinders
- Automation Components
- Compressed Air Equipment
- Controls
- Drives & Motors
- Electrical
- Filtration
- Hose, Tubing & Fittings
- Hydraulics
- Machine Safety
- Mobile Controls
- Pneumatics
- O-Rings & Seals
- Sensors & Switches
- UL-508A
- Vacuum
- Valves

LOCATIONS

ALASKA
FAIRBANKS
ANCHORAGE

ARIZONA
TEMPE

CALIFORNIA
BAKERSFIELD
CHULA VISTA
CORONA
ESCONDIDO
FREMONT
FRESNO
OAKLAND
SACRAMENTO
SAN LEANDRO
SANTA ANA
SANTA FE SPRINGS
SUN VALLEY
WEST SACRAMENTO

COLORADO
AURORA
DENVER (BRYANT ST)
DENVER (46TH AV)
COLORADO SPRINGS
FORT COLLINS
GRAND JUNCTION
LOUISVILLE

IDAHO
BOISE
CALDWELL

MONTANA
BILLINGS
SIDNEY

NORTH DAKOTA
WILLISTON

NEVADA
LAS VEGAS
SPARKS-RENO

OREGON
HILLSBORO
PORTLAND
SALEM
EUGENE
BEND
MEDFORD

UTAH
SALT LAKE CITY
SMITHFIELD
ST. GEORGE

WASHINGTON
SEATTLE
KENT
LONGVIEW
VANCOUVER

WYOMING
CASPER

ISO 9001:2015

ULPanelShop V1.1