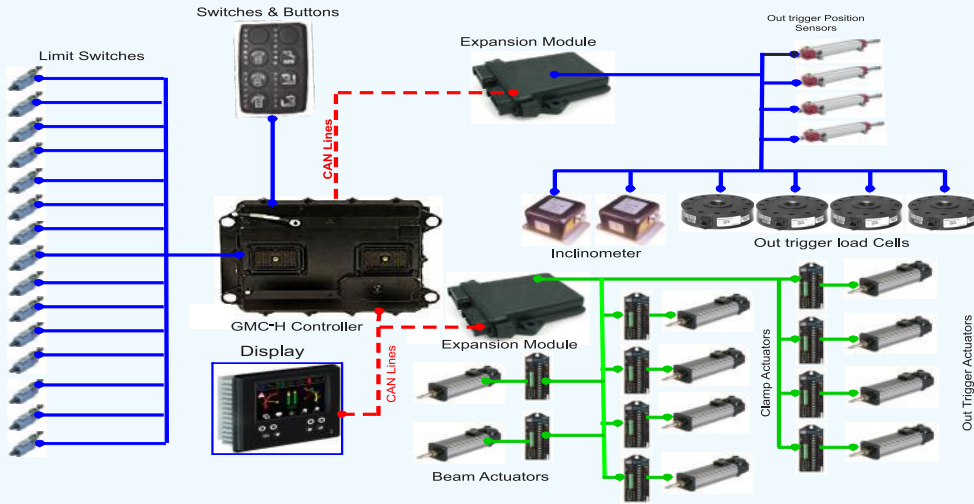


SERVOCONTROLS

An ISO -9001-2008 certified company & AS 9100-Rev D company
 Website : www.servocontrolsindia.com



Embedded Electronic Control System



MARKETS

- | Aerospace
- | Fluid Power
- | Steel Mills
- | Power Generation
- | Plastic & Rubber Manufacturing
- | Petroleum & Petrochemicals
- | Material Testing / Test Rigs / DAQ
- | Mobile Hydraulics
- | General Factory Automation
- | Wood Working & Metal Working
- | Material Handling & Packaging
- | Railways
- | Precision Parts Manufacturing & subassembly / Testing /Qualification

Hydraulic Proportional position control system



Manifold Blocks



Hydraulic Power Pack & Control Panel



Electrical Control Panel



Manifold Block Control System

Composite Synchronize Handling



Test Rig Fabrication



6 DOF Motion Platform



Manifold Block Control System



IN HOUSE FACILITIES

- | Inhouse Mechanical/Electronics/Electrical design departments.
- | State of the Art 2/3/5/ axes machine Shop, Grinding /Honing & Laser Welding.
- | Clean Room Facility for Hydraulics and Electromechanical Systems
- | Assembly and Test Shop
- | Fabrication and Paint Shop
- | Metrology Lab
- | Servo lab
- | Servovalve / Proportional Valve & Sensor Repair Centre

Total Solution for Closed Loop Electrohydraulic & Electromechanical Systems

Technical Alliance Partners



STAR HYDRAULICS LTD. -
SERVOCONTROLS
Servo Valves From 1 LPM up to 900 LPM



MTS- SERVOCONTROLS
Temposonic Position Sensors
Stroke Range: 25mm up to 15,000mm
Outputs: Analog, Start/Stop, SSI,
Profibus-DP, CANbus, DeviceNet.
Resolution: Till 1µm



DELTA- SERVOCONTROLS
Motion Controllers
1to 32-Axes Servo Motion Controllers for
Electro hydraulic and Electromechanical Systems.
Various Feedback interface capability
includes Start/Stop, SSI, Analog,
Quadrature, Resolver



CURTISS WRIGHT EXLAR-
SERVOCONTROLS
Electromechanical Actuators
Load Ranges From 0.4 Ton to 9.2 Ton
Stroke Ranges From 50mm to 1200mm



ORMEC- SERVOCONTROLS
Motion Controller, Drives
and Servo Motors
1 to 16 Axes Motion Controller for
Electromechanical Actuation Systems.
Drive System for AC and DC brushless motors



HYDRAFORCE- SERVOCONTROLS
Cartridge valves
Cartridge Manifold blocks and
Valve control Electronics



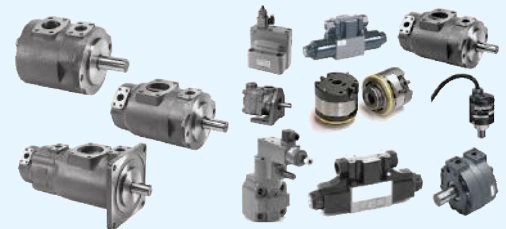
NANOMOTION
SERVOCONTROLS
Piezo electric motors &
shutters for defence, medical,
space & semi conductor
industries transducers



TE CONNECTIVITY
SERVO CONTROLS
LINEAR ROTARY & WIREDRAW
POSITION TRANSDUCERS



SPACE AGE CONTROL-
SERVOCONTROLS
3D-Position Transducers
TPR- Devices



TOKYO KEIKI
SERVOCONTROLS
Pumps, Motors, Directional control valves,
relief valves, switches & Hydraulic Cylinders



NACOL JAPAN - SERVOCONTROLS
Bladder type Accumulators



CELESCO USA - SERVOCONTROLS
Wire/String Type Position Sensors



FIRSTMARK AEROSPACE USA - SERVOCONTROLS
Wire Type Sensors for Aerospace Application



PRODUCT FLYING ON TENS OF THOUSAND
OF AIRCRAFT WORLDWIDE
AERO CONTROLEX USA - SERVO CONTROLS
Offers you high quality and reliable Air Data Sensors
Essential to the safety of all aircraft, our electrically
heated Pitot probes, Pitot-Staticprobes, Static Pressure
Probes Angle of Attack, Temperature Sensors &
Flight Test Equipment

In house facility for Designing, Engineering, Assembly, Manufacturing & Servicing of Custom built

1) CLOSED LOOP MOTION CONTROL SYSTEMS

Real time Motion controller and system from single axis up to 32 axes including custom control algorithms and software development



2) ELECTROMECHANICAL ACTUATION SYSTEMS

Electromechanical Ball screw/Roller screw/ACME screw actuators, Servo drives, controller and total turn key solutions



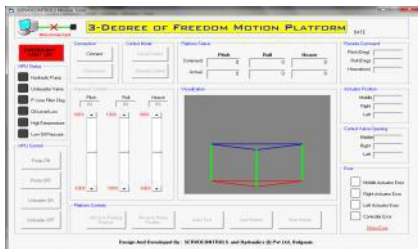
3) MOBILE ELECTRONICS & E-HYDRAULICS

CAN J1939 based Electronics Control Unit (ECU) for Mobile construction equipment, Auto Transmission Lift Trucks, Material Handling Equipments, Cranes, Harvesters, Load Wheelers, Concrete equipment, Rock Breakers, Position, Speed, Pressure, Load, Temperature Sensors and respective **E-Hydraulics** package



4) MOTION PLATFORMS

3 DOF / 6 DOF Hydraulic and Electromechanical motion platforms of payload from 1 to 25 Ton with Motion Controller, Cueing software, (Cabins & ride movies if needed as optional).



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5) ELECTRONIC LEVEL /INTERFERENCE LEVEL GAUGES

Electronic Level /Interference Level Gauges
The electronics level sensor / gauges are modular in design, offering you a selection of electronic housing styles, transmitter pipe styles and wetted materials. The Level sensor features a removable sensing element and can also incorporate an RTD for spot temperature measurement. Interference of 2 and more liquid measurement with different floats.



6) DIGITAL PRESSURE SENSORS WITH PWM / CAN OPEN AND CAN J1939 INTERFACE

The powerful and reasonable PWM and CAN interface pressure transducer has excellent properties due to its stainless steel diaphragm and semiconductor thin-film technology, suggesting its use in most areas of industrial /mobile / Automation process applications. Its robust design guarantees high reliability also in rugged conditions.



7) SERVOCONTROLS HIGH RESPONSE DIRECT DRIVE VALVE (DDV)

Servocontrols offer high response direct drive valve with electronic closed loop spool position control. These valve are available with flow capacity ranging from 1LPM up to 100 LPM @ pressure 70 bar.



8) SERVO ACTUATORS

Servo Actuators
Fatigue rated high frequency, low friction Servo actuators of capacity ranging from 1 T up to 100T with Servo valve, load cell (optional), inbuilt position sensor, Hydraulic power pack, Digital Motion controller and Data acquisition systems.



CUSTOM BUILT HYDRAULIC POWER PACKS



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9) TEMPOSONIC POSITION SENSORS

The best linear position sensors provide absolute position measurement resulting in higher productivity and greater safety for machine and automation devices. MTS linear position sensors outperform the competition, deliver accuracy and reliability under the most difficult conditions. The sensor works of non contact magnetostrictive principle. Various output options are available that includes Analog, Start/Stop, SSI, Profibus, EtherCat. The sensors are also available in redundant output options.



10) FATIGUE RATED ELECTROMECHANICAL ACTUATORS

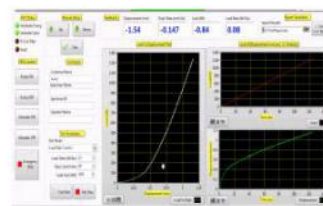
Fatigue rated Electromechanical actuators with inbuilt load cell. SERVOCONTROLS linear actuators combine the advantages of roller screw technology and T-LAM stator technology to create a powerful and robust linear solution. These actuators uses a specially designed roller screw mechanism for converting electric motor power into linear motion within the actuator. These actuators are provided with an integrated load cell for force measuring capability. This option offers a convenient method for obtaining electronic data relating to the force being applied by the actuator. The load cell is a strain gauge type, offering you stable and accurate load sensing in both the tension and compression directions, and for static or dynamic loads. The packaging of the strain gauges are integral to the actuator's housing, offering a compact, protected robust design



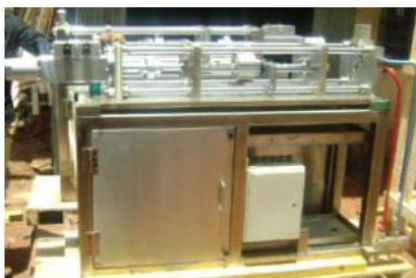
11) STRUCTURAL/ COMPONENT/MATERIAL TEST RIGS

Servocontrols involved in development of various type of test rigs that includes Fatigue testing, Universal testing, Impulse and proof pressure test rigs for various hydraulic components, Servo valve test rigs, Mechanical and Hydraulic strength test rigs, Qualification and endurance test rigs, Digital controllers , Data acquisition system and softwares.

MMI Software



Data Acquisition Software



Main Rotor & Tail Rotor Actuator Test Rig



Servo Valve Test rig



LRU Brake Test Stand



Hydraulic Test stand



Mechanical & Hydraulic Strength Test Rig

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12) AIR DATA PROBES

Servocontrols offer you high quality and reliable air data sensors essential to the safe flight of all aircraft, our electrically heated pitot probes, pitot-static probes, static pressure ports, angle of attack, temperature sensors and flight test equipments



Pitot Static probe



Pitot probe



Angle of Attack



Temperature sensor



Static pressure ports



Flight test equipment

13) SERVICING OF SERVO VALVES AND TEMPOSONIC SENSOR

World Class Servo valve Repair, Assembly, Test Lab

We have huge inventory of Servo Valves, Tube Filters, Cartridge Filters, Disc Filters, Last Chance Filters, Torque Motors, Seal Kits, O-Ring Sets, Connectors, Coils & Electronic Cards.

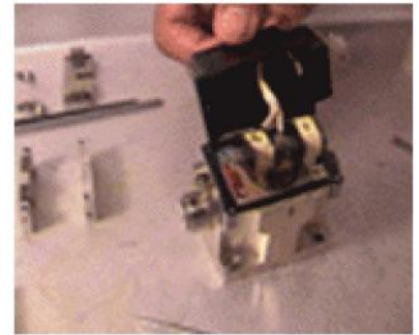
We Repair/ service Proportional, Servo Proportional & Servo valves.

All Brands, All Types, All Configurations

Abex, Atchely, Cincinnati, Dowty, Dyval, EMG, Herion, Hydromatic, Kawasaki, LHC, Moog, Star, Oilgear, Olsen, Parker, Pegauses, Plasser, Rexroth-Bosch, Shnieder, Sopelem, Towler, TSS, Ultra, Vickers

Servicing of Tempsonic Sensors.

We have dedicated Electronics lab with all necessary instrumentation and inventories for Servicing Tempsonic position sensors.



Servo valve Servicing



Tempsonic Servicing

14) SERVO VALVES FOR STEEL MILLS/ POWER GENERATION INDUSTRIES / TEST APPLICATIONS AND OTHERS

Model Code	Nominal flow at 70 bar (lpm)
SC550-101	4
SC550-102	10
SC550-103	20
SC550-104	40
SC550-105	60
SC550-106	75



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15) SERVO VALVES FOR STEEL MILLS/ POWER GENERATION INDUSTRIES / TEST APPLICATIONS AND OTHERS

Model Code	Nominal flow at 70 bar (lpm)
SC550-101	4
SC550-102	10
SC550-103	20
SC550-104	40
SC550-105	60
SC550-106	75



16) SERVO VALVE MODEL 890

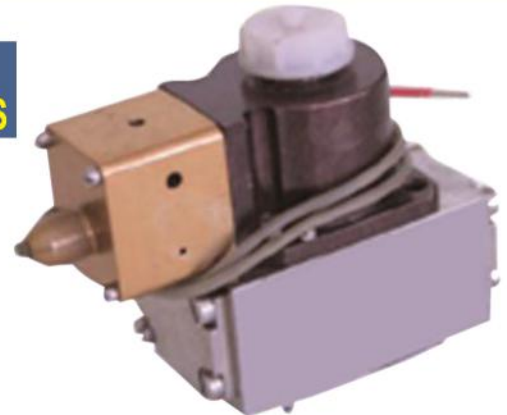
4-Port Configuration – 50.9mm PCD
2 stage mechanical feedback
High flow Electrohydraulic Servo valve

Model Code	Nominal flow at 70 bar (lpm)
SC890-101	95
SC890-102	150
SC890-103	230



17) EXPLOSION PROOF, INTRINSICALLY SAFE GAS TURBINE SERVO VALVES AND REPAIRS OF EXISTING SERVO VALVES

Model Code	Nominal flow at 70 bar (lpm)
SC771K-103	20
SC771K-104	40



18) CUSTOM BUILT MANUFACTURE/ ASSEMBLY / TESTING / REFURBISHMENT OF STEAM TURBINE GOVERNOR CONTROL ACTUATION SYSTEMS

SERVOCONTROLS can retrofits valve of any manufacturer, including Emerson (Fisher), Samson, Kammer, Badger, Flowserve, Woodward, Masoneilan, Warnesr, Fox, Jordan, Leslie, GE, Siemens, Westinghouse systems



SERVOCONTROLS 100% EOU Unit in 12 acres of land near Hattargi Belgaum Special Economy Zone



**SERVOCONTROLS
AEROSPACE INDIA PVT. LTD.,
60,000 Sq. Ft.,
MODERN MANUFACTURING FACILITY**

**SERVOCONTROLS facility
Industrial Estate, Udyambag, Belgaum**



Address for Correspondence:

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(An ISO 9001-2008 Certified Company) &
AS 9100 Rev D Certified Company
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Fax: 91-831-2484496

E-Mail: sales@servocontrolsindia.com

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hydraulics@servocontrolsindia.com



Servocontrol's
First servo Valve Test Setup at Home Garage
in July 2002 at Belgaum, Karantaka



Kaigarika Ratna Prashasti
(Industrial Jewel Award May-2011)



Our Director Mr. Dinesh Receiving
the Award form Dr. Saraswat,
S. A. To Raskha Mantralaya



Servocontrols
State bank of India's Esteemed Customer



Dr. Sir Abdul Kalam Visiting Servocontrols Stall



Various Technology Excellence Awards

TECHNICAL ALLIANCE PARTNERS

