

ECONOMICAL SOLUTIONS FOR ELECTRO HYDRAULICS & AUTOMATION FOR OFF HIGHWAY EQUIPMENTS



Horizontal Drilling Machine



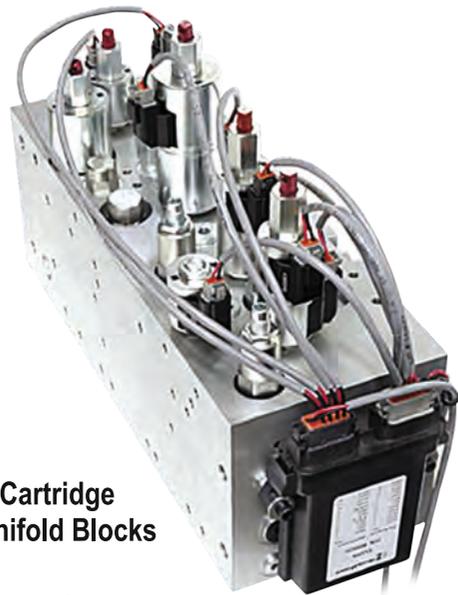
Dozer



Dumper



Suction and Jetting Machine with Water Recycling



Cartridge Manifold Blocks



Excavator



Concrete Pumps



Pilling rigs



Reach Stacker



CAN J1939 Electronic Vehicle Controls with plus one Software



Grader



Cranes



Road Sweeper Machine

We serve all major OEM's in construction equipments, Mining, Material Handling, Agricultural Machinery, Earth moving equipments & Municipal vehicles
with dedicated team for development, sales & service professionals
We provide turnkey solutions for Hydraulics, Electronics, Software, Electro-mechanical & Sensors solutions

"HDD MACHINE"



HDD Machines

- Track Rotation control.
- Vise clamping and declamping.
- Water control Block.
- Torque control.
- Outriggers control manifold block.
- Thrust control block etc.

Suction cam Jetting machines



Suction and Jetting machines with water recycler system

- Jetting Manifold Blocks For High Flow & Pressure
- Proportional Pressure Relief Valve Blocks With Electronic Controllers.
- Jetting De Stroking Blocks
- Combi Recycler Manifold Block
- Flow Divider Valve Block
- Brake Control Valve Block

Dozers & Dumpers.



Dozers and Dumpers.

- Full Eletro Hydraulic Control System.
- Precise Clutch Engagement.
- Programmable Pressure Control.
- Smooth Transition.
- Fill & Ramping Rates.
- Steering and Pilot Control System.
- IP69K Environmental Protection.

Reach Stacker



Reach Tacker

- Main Directional Control Valve
 - Gravity Lowering
 - Boom Suspension
- Auxiliary Functions :
- Axle lock, outriggers.
 - Chassis Leveling.
 - Transmission control

Piling Rigs



Piling rigs:

- Control Manifold Blocks For Pilling Rigs.
- Arm & Boom Suspensions.
- Boom Suspension.
- Auxiliary Functions.
- Hammer Valve For Breaker.
- Quick Coupler Manifold.
- Pilot Control Manifold For Piling Rigs.
- Weather-resistant Control Of Electro-hydraulic Functions.

Compactors:



Cartridge manifold blocks

- Vibration blocks.
- Junction Manifold block includes Vibration & brake application.
- Hand Pumps.



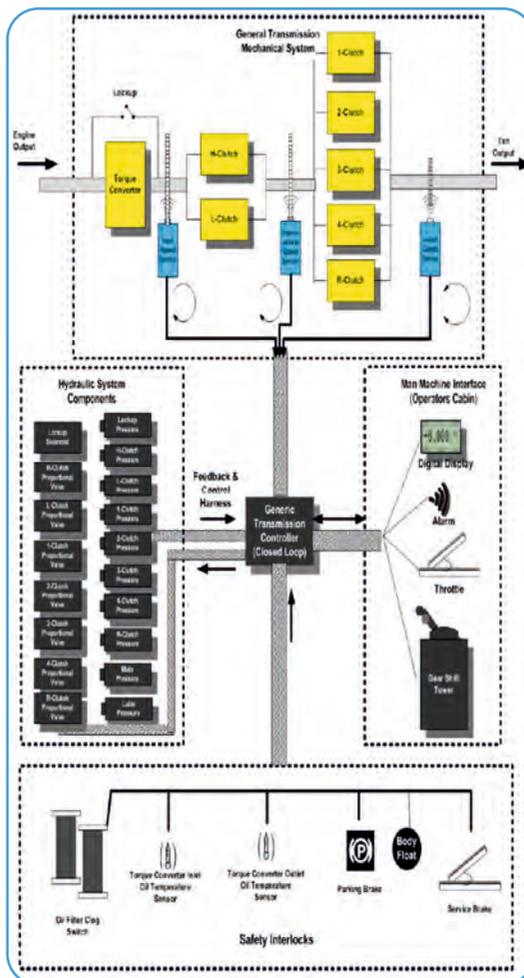
Electronic Control Unit (ECU)

CURTISS - WRIGHT

Electromechanical Actuators

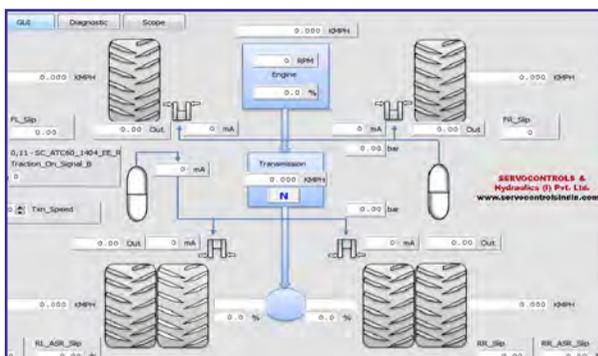
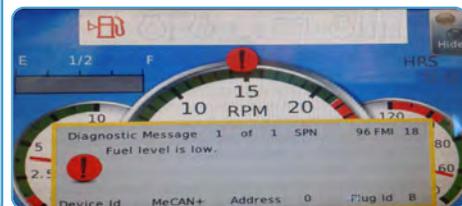
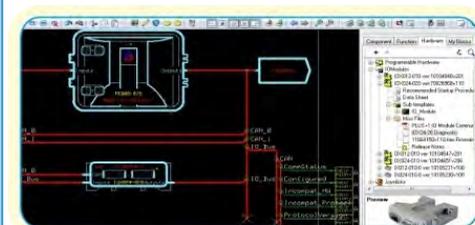


**Long life
Electromechanical
Actuators**

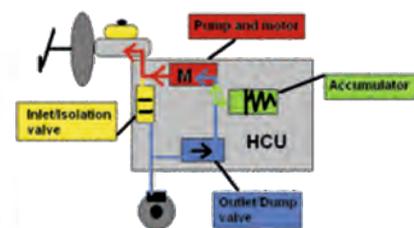
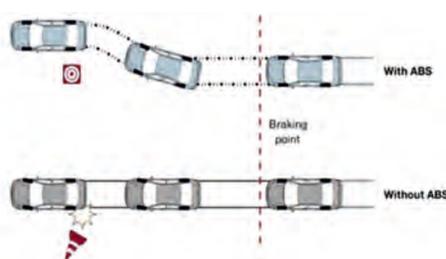


APPLICATIONS BUILT FOR:

- 1) Auto Transmission Control System for Off-Highway Dump Trucks.
- 2) Auto Transmission Control System for Off-Highway Dozers.
- 3) Electro-Hydraulics Steering Control System.
- 4) Traction Control System for Off-Highway Dump Truck.
- 5) ABS Control System for OFF-Highway Dump Truck.



Traction control : Graphical user Interface



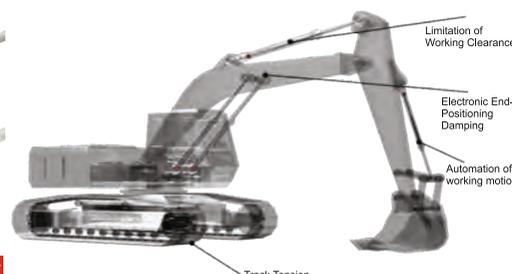
ABS System

Temposonics Position Sensors for Construction Machines



New Electric Solutions, Artificial Intelligence (A I), Hydraulics, Temposonics, ECUs & Software Solutions for Earth Moving Equipments

1. Temposonics Sensors
 Tradition, Experience, Innovation. Pioneer of magnetostrictive Linear Measurement and Technology Leader
2. Mobile Hydraulic Machines Market Requirements
 - Increase the Machine's Productivity
 - Reduce fuel consumption and Emission
 - Reduce the costs on Design & System Solution
 - Safety for Operator and Environment
 - Comfort for Machine Operator



rexroth

A Bosch Company



Market

- Aerial Work Platforms
- Agriculture
- Construction
- Forestry Equipment
- Material Handling
- Fluid Power
- Industrial
- Mining
- Municipal
- Paving
- Powertrain and Transmission
- Truck Work Equipment
- Turf Care
- Other



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