

Application Notes...



Concrete block lifter

A manufacturer of concrete blocks required a special pick-up tool on his yard vehicle to pick up and set down the blocks without a requirement for pallets and without the need for the operator to get out of the vehicle.

Brief given

When a Sensor-Technik partner company specialising in hydraulics was asked to design the mechanical and hydraulic equipment for the concrete block lifter, Sensor-Technik was brought in to develop a simple solution for the hydraulic valve control, making use of an existing remote control unit. Bearing in mind the operating environment, the system had to be rugged and robust.

The solution

Sensor-Technik constructed a 'black box' which connected to the receiver of the remote unit to control the valves according to the particular function needed. Extra protection against vibration and shock impact was a key consideration since the unit had to be mounted as close to the hydraulic valves as possible.

Implementation

Development began with discussions with vehicle operators to get their feedback on the

requirements. Sensor-Technik then drew in all the relevant resources and worked closely with the hydraulics company to develop and prove the solution.

With the system built and all the mechanical and hydraulic components in place, Sensor-Technik brought the control system to the site and was able to complete the wiring and control system installation. The system was up and running within a few hours.

Conclusion

With simple modifications to a standard product, the customer gained a piece of hardware that was unique in its mechanical style and provided all the functionality required. Good consultation, accurate specification and an excellent working relationship with the hydraulic company meant the control system was right first time and could be installed in a single day.

Sensor-Technik

Complete solutions

Sensor-Technik is fully able to meet your systems needs, by offering a unique product design and manufacture facility to build up complete sub-assemblies where necessary, from development of specifications to delivery of the finished product, guaranteed to offer performance and reliability in even the toughest of environments.

With our in-house design capabilities, the resources of our own machining facilities, decades of applications experience and approvals from the likes of the Ministry of Defence and NATO, we can tailor a standard product to meet your exact requirements.

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