

CASE STUDY

Scissors Platform Lift Primary Hydraulic Valve Assembly

CHALLENGE

Price Engineering was tasked by an OEM to reducing the size and complexity of the hydraulic system on a scissors platform lift. Customer also required that the electric solenoids be explosion proof with a high degree of control.

SOLUTION

Price Engineering and Eaton Corporation collaborated to design and supply an integrated hydraulic manifold assembly incorporating Eaton explosion proof screw-in cartridge valve technology. The manifold was manufactured by Eaton in their Reynosa, Mexico facility using one of their state of the art 5-axis CNC machining centers. 5-axis machining resulted in an assembly that occupied far less real estate than the previous design.

BENEFITS

1. Assembly size is extremely compact.
2. Substantially reduced the amount of hoses and fittings required to connect the system.
3. Plumbing is simpler and faster to install.
4. System is more efficient and offered an overall reduction in cost to the OEM.

