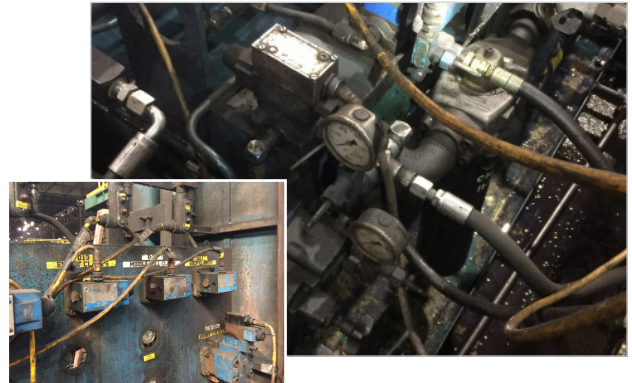


# EVOLUTION OF A MANIFOLD SOLUTION

## HIC Custom Manifold Achieves 11% Cost Savings and Eliminates 39 Hydraulic Leak Points

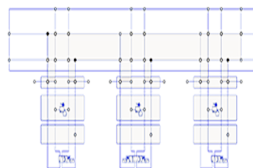
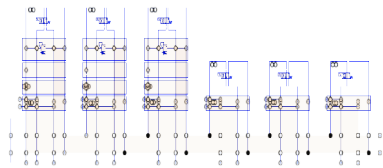
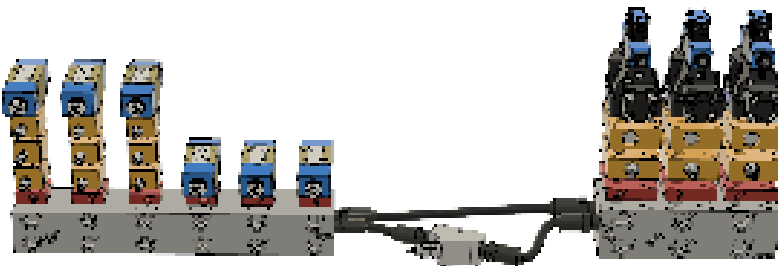
Daman Products proves that 21st-century design and manufacturing efficiencies make it easier than ever to source one-piece Hydraulic Integrated Circuit (HIC) Custom Manifold solutions that reduce costs and leak points. Today's fluid power standard solutions can be designed as custom engineered solutions — reducing labor hours, leak points, number of components, and over-all costs.



### PROBLEM

Several years ago, Daman had a project where a machine builder spec'd in standard components for a manifold consisting of six-station D05H manifolds, three-station D08H manifolds, an in-line pressure reducing body, and 24 stacked modules. The primary issues with the standard solution were:

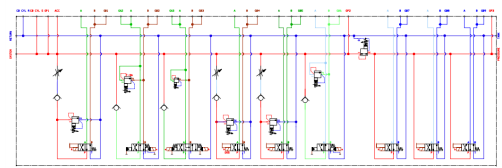
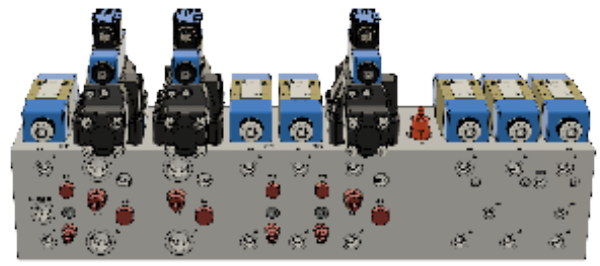
- 24 Stacked modules
- 48 Leak points
- 50 Labor hours for assembly
- Excessive maintenance costs
- Excessive overall project costs



### SOLUTION

The Daman team worked with their distributor to replace 25 components with a one-piece custom engineered manifold solution. Some of the benefits included:

- Eliminating 39 leak points
- Eliminating 30 labor hours
- 11% cost savings
- Easy assembly
- Future maintenance benefits



### RESULTS

	STANDARD SOLUTION	CUSTOM SOLUTION
LABOR HOURS	50	20
OVERALL COST	\$27,000	\$24,000
LEAK POINTS	48	9
NUMBER OF COMPONENTS	25	1

Daman collaborated with their distributor to provide a HIC Custom Manifold solution that eliminated 11% in overall costs for this \$24,000 custom project. 30 labor hours were saved in addition to reducing the solution to only nine leak points.