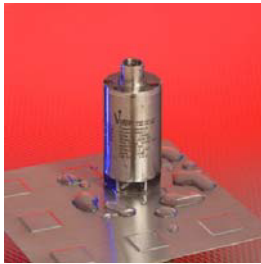


## AUTOMOTIVE STAMPING PRESS

**APPLICATION:** Pressure monitoring of hydraulic die cushions

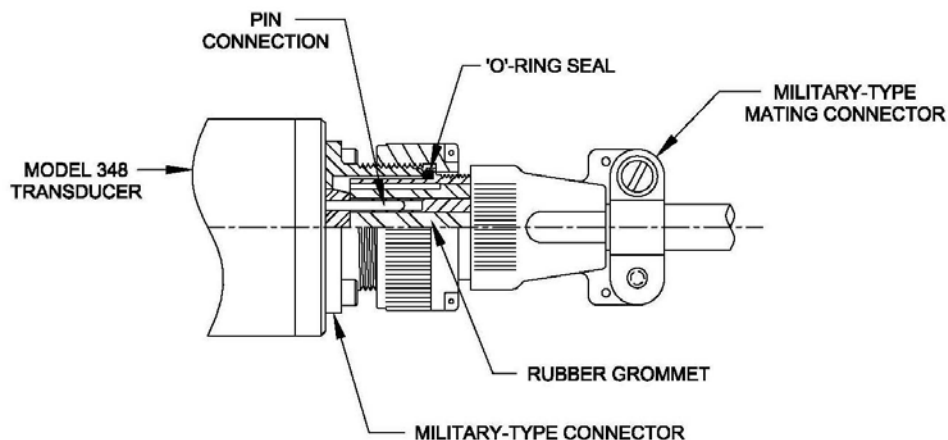
**REQUIREMENTS:** A pressure transducer was needed that could withstand hundreds of thousands of cycles per day from zero to full scale on a new generation transfer press. The unit had to be compact, provide a 4 to 20 mA output and endure an oil mist, high shock and vibration environment. In addition to the technical demands of this application, the customer required Viatran to supply a list of current automotive users that could be used as references.



**SOLUTION:** The Model 348 was selected for its rugged design. The transducer was tailored for the application by providing a military-type (MS3102E-14S- 6P) connector and a sealed reference cavity. These modifications to the standard 348 addressed the oil mist environment by eliminating the reference breather hole and by having an electrical connector with several moisture barriers. Since the 248 and 348 transducers have been used for years in the automotive test industry, less costly customer references were plentiful.

**BENEFIT TO CUSTOMER:** The Model 348 was a more rugged, proven design, internally potted, featuring 3x overpressure rating.

### ENVIRONMENTAL CONNECTOR ILLUSTRATION



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