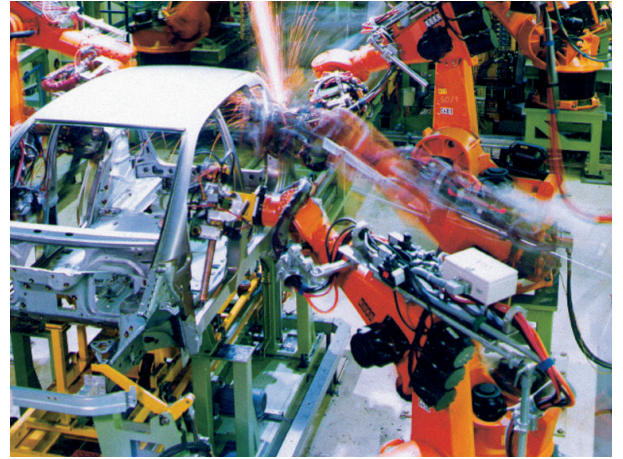


OEM Machine Builder / Automotive



Customer Requirement

An automotive OEM manufacturer needed a chiller to integrate with their OEM machines. The main requirement from the OEM was to cool two separate circuits of oil, each of which must be controlled separately. One circuit was used for cooling a spindle motor and the other circuit was used to cool a cutting process. Each circuit had a different cooling capacity.

The Pfannenberg Solution

Knowing that the unit had to physically fit onto the footprint of an existing design, we were able to modify one of our standard chillers for this system.

We Offered:

- Two separate oil to refrigerant heat exchangers
- Two controllers to separately monitor both oil circuits
- Two separate pumps, one for each circuit
- The chiller needed to be mounted specifically above the oil tank. This space constraint required us to use an immersion style pump, protruded through the base of the chiller to pump oil from the tank below



Customer Benefits

All of the customer's initial requirements were met with this custom modified air-cooled chiller. When the customer also needed a water-cooled version of this same product, our previous experience allowed our engineering team to efficiently create another unit using this different method of cooling.