MACHINE TOOL COOLANT

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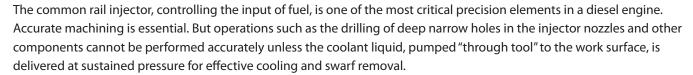
Location:	India
Application:	Machine tool cooling in automotive components manufacture
Media:	Cutting oilCoolant emulsion
Model No.:	D10XKCTHFEYA
Flow Rate:	8 gpm (30 l/min)
Pressure:	870 psi (60 bar)
Hydra-Cell Advantages:	Seal-less design
	Easy maintenance
	No contact between coolant liquid and drive
	Can maintain constant pressure
	Sustained performance
	Energy cost savings



Machining of Common Rail Diesel Injectors

A manufacturing facility concentrated on the production of common rail diesel engine injectors is one of five automotive component plants operated in India by a global manufacturer of engineering products. The customers in India are leading vehicle manufacturers. All five plants

are extensive users of Hydra-Cell machine tool coolant pumps, which by stages are replacing seal-reliant types such as gear, screw, vane and piston pumps in the machining centers.



Internal pump wear is a threat to sustained performance and productivity - also increasing energy costs. Despite fine filtration it was found that the original pumps at this plant could not stay efficient when handling recycled coolant liquids and fine particles not caught by the filters.

Such factors do not affect seal-less Hydra-Cell pumps. D10 pumps installed at the injector plant have performed consistently, maintaining high pressure regardless of the flow requirement, liquid viscosity, or type of coolant. They have proved easy to maintain, economical in power consumption and reliable - all while operating on 24/7 duty cycle.

Characteristics of Fluid Pumped:

