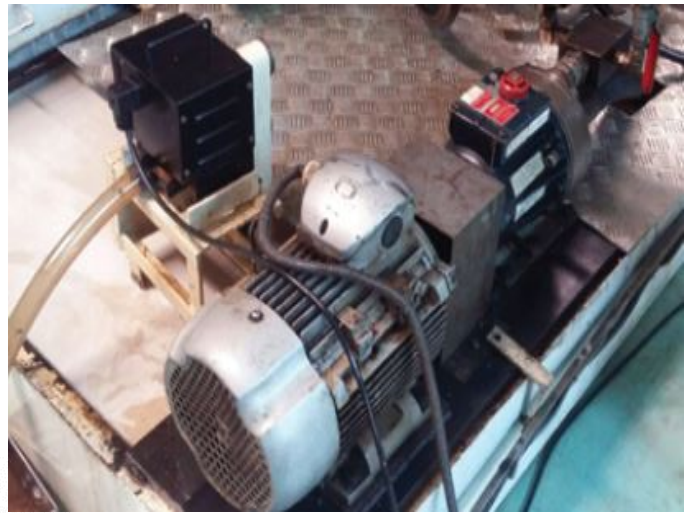


Application story



High Pressure Coolant for Automotive Component Manufacture (6)

Location	India	Hydra-Cell model	G10XKCTHFEYA
Type of application	High Pressure Coolant for Automotive Component Manufacture (6)	Flow rate	1500 L/hr (396 US gal/hr)
Liquid	Machine Tool Coolant	Pressure	60 bar (870 psi)
Application details	Hydra-Cell® Pumps Coolant in Vertical Machining Centres Delphi TVS, the Chennai based manufacturer of automotive components, is using high pressure Coolant Through Spindle (CTS) in its Vertical Machining Centres, manufactured and supplied by Ace Micromatic. The high pressure coolant feed is generated by Hydra-Cell G10 pumps and improves machine efficiency and finished product quality while extending tool life. The efficiency with which the high pressure coolant removes chips from the cutting zone also significantly reduces the incidence of tool breakage. Chosen in preference to screw pumps that cannot tolerate the fines and metal particles that become entrained in the recirculating coolant the Hydra-Cell pumps require no fine filtration to operate efficiently. The seal-less, low maintenance design ensures 100% leak-free operation while the compact design and high efficiency combine to minimise the power requirement.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to handle this particle laden liquid, with ease. - Offers a high efficiency, low energy usage solution, especially when compared to other technologies.		

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