

Application story



High Pressure Coolant for Indian Machine Tool Industry

Location	India	Hydra-Cell model	G12XRCTSFECA
Type of application	High Pressure Coolant for Indian Machine Tool Industry	Flow rate	30 L/min (7.9 gpm)
Liquid	Machine Tool Coolant Synthetic Grinding Liquids	Pressure	60 bar (870 psi)
Application details	The Indian machine tool industry settles on Hydra-Cell. High Pressure coolant is fast becoming the norm in machine tool metalworking production throughout the world and India is no exception. Wanner distributor Machinomatic is working with almost all CNC machine OEMs and virtually every automobile plant in India. Although screw pumps and multistage centrifugal pumps have been tried, even with the assistance of expensive fine filtration they still prove unreliable. Hydra-Cell pumps handle machining fines up to 500 microns with no ill effects and consume less power. Equally important, screw pumps and multi-stage centrifugals are unable to handle neat oils and water-mix fluids with equal efficiency and in some instances; a separate pump was needed to handle each kind of coolant. Hydra-Cell pumps handle both neat oils, emulsions and synthetic solutions with equal efficiency - Versatility from a single pump. Each year the India machine tool industry uses over 200 Hydra-Cell pumps for high pressure coolant delivery... Long may that continue.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell has been chosen by many Indian Machine Tool industry users for the following reasons: - Reliable operation, giving increased up-time and production. - Near maintenance free operation. - Easy, in-situ maintenance.		

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