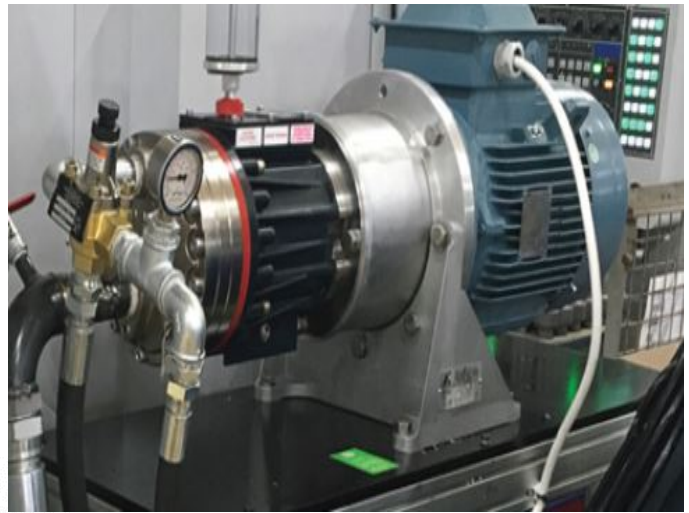


Application story



High Pressure Machine Tool Coolant Delivery - Slovakia

Location	Slovakia	Hydra-Cell model	G25XMCGHFEYA
Type of application	High Pressure Machine Tool Coolant Delivery	Flow rate	Various... inverter controlled
Liquid	Water mix machine tool coolant	Pressure	40 bar (580 psi)
Application details	Recognising the potential improvements in efficiency and productivity to be had by moving to high pressure coolant delivery, a family-owned engineering company who manufacture components for the automotive and agricultural businesses, installed a Hydra-Cell G25 pump in place of the 6 bar centrifugal pump that came with the Taiwanese CNC machine. Using this original pump as a feed pump for the G25, the customer designed and produced a bespoke high pressure unit controlled with a frequency inverter to regulate flow and pressure to suit the needs of each individual cutting tool.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell's seal-less design reduces costs and improves machining productivity together with extending tool life and increased speeds and feeds to increase machine capacity significantly, justified the investment in the system.		

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