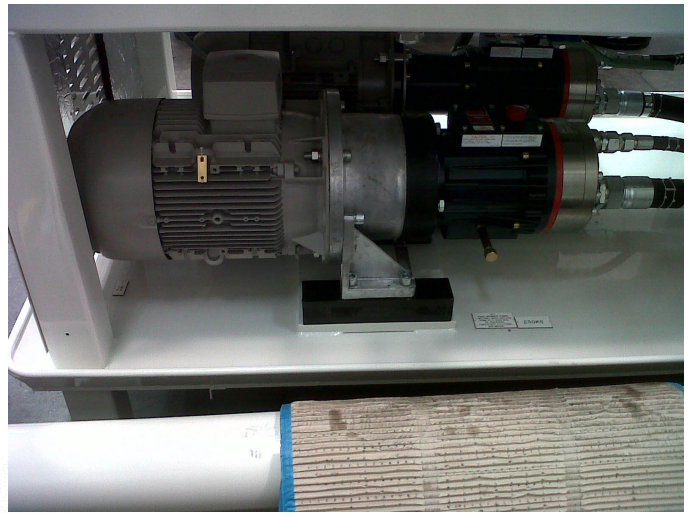


Application story



High Pressure Coolant for Crankshaft Grinding

Location	UK	Hydra-Cell model	G25XMCTHFEYA
Type of application	High Pressure Coolant for Grinding Machines	Flow rate	73 l/min (20 gpm)
Liquid	Machine Tool Coolant	Pressure	60 bar (870 psi)
Application details	A specialist manufacturer in the UK, part of an international engineering group, supplies crankshaft and camshaft grinding machines to the world's vehicle builders, sharing the market with a sister plant in the USA. For more than 20 years one of its long term customers, a leading German vehicle manufacturer, has specified Hydra-Cell pumps in grinding machines purchased from the UK plant. This practice has continued, with a single coolant pump fitted on each machine. In 2014 however the first of a new machine series was built at the UK plant destined for shipment and commissioning in Germany. The latest machine incorporates two Hydra-Cell G25 pumps, one the duty pump and the second the assist. Controls are arranged so that the system can react automatically to load demand – adjusting total flow as required and maintaining optimum cooling effect at the grinding surface. The pumps can handle any type of coolant including non-lubricating water-based liquids.		
Advantages of Hydra-Cell pump on this application	Seal-less design, able to handle hard metal fines without wear problems. Sustained high pressure performance, reducing clogging and extending wheel life. Easy accurate control. Low maintenance.		

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