

Application story



High Pressure Coolant for Large Lathes

Location	Germany	Hydra-Cell model	G35XDCGHFEYB
Type of application	High Pressure Coolant for Large Lathes	Flow rate	140 l/min (40 gpm)
Liquid	Machine Tool Coolant	Pressure	40 bar (580 psi)
Application details	For pumping coolant emulsion at 40 bar (580 psi) on this large lathe (24m in length and able to machine parts as heavy as 50 tonnes) the customer chose a Hydra-Cell G35 pump. It successfully handled recycled coolant emulsion carrying solids in suspension, while its flow and pressure performance raised system efficiency and improved chip removal from the work surface.		
Advantages of Hydra-Cell pump on this application	Pressure capability. Flow/pressure easily adjustable over the entire flow range. Low operating costs. Low pulsation. Ability to handle non-lubricating liquids and liquids with abrasive content. Easy maintenance. Reliability.		

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