

Application story

WANNER
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



High Pressure Coolant for De-Burring

Location	Germany	Hydra-Cell model	G15XDBTHFECA
Type of application	High Pressure Coolant for De-Burring	Flow rate	50 l/min (13 gpm)
Liquid	Machine Tool Coolant Emulsion	Pressure	172 bar (2495 psi)
Application details	The high pressure developed by the G15 Hydra-Cell pump enabled this company to achieve efficient cooling and lubrication during machining, while simultaneously breaking burrs created by the drilling of an 8mm transverse hole in a 20mm bore aluminium sleeve. Removing the burrs in this way avoided the reworking that would normally have been necessary. On this operation, delivering combined coolant and lubricating liquid, the Hydra-Cell pump proved itself not only by handling the pressure but also by tolerating metal particles up to 50 microns and by resistance to abrasion. Following successful trials, the customer ordered an additional pump for the application.		
Advantages of Hydra-Cell pump on this application	Higher pressure capability than screw pumps. Able to handle particles - unlike radial piston pumps. Resistant to abrasion. Adjustable output flow.		

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