

Application story



Abrasive Colourant Spraying

Location	Finland (Installation: from 2018)	Hydra-Cell model	P500MSGSSD10H
Type of application	Abrasive Colourant Spraying	Flow rate	1.4 – 4.10 lpm (0.37 – 1.08 US gal/min)
Liquid	Ink: Polyol with TiO ₂	Pressure	120 bar (1740 psi)
Application details	A Finnish manufacturer of decorative internal acoustic mats for commercial vehicles, selected three Hydra-Cell P500 metering pump to replace six piston pumps for spraying an abrasive colourant in its production process. The colourant, a titanium di-oxide filled polyol, is abrasive and caused internal wear in the piston pumps previously used. As a result these six pumps had to be serviced twice yearly at a cost of €3,000 each... €36,000 per annum. From the initial 3 x pump order, Hydnum has been so impressed with the Hydra-Cell's performance and reliability, that a further 2 x P500s have been ordered in 2019 & 2020 completely replacing the Rexroth pumps.		
Advantages of Hydra-Cell pump on this application	With no dynamic seals and no tight tolerances, the three Hydra-Cell P500 pumps need far less frequent and less expensive maintenance with their ability to pump abrasives effectively and reliably.		

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