

Application story



Polyurethane Foam Forming

Location	Korea	Hydra-Cell model	G03EKSJHFEHA / G03SDBGHFEHA / G04EDSGHFEHG
Type of application	Polyurethane Foam Forming	Flow rate	5 l/min (1.32 gpm)
Liquid	Pentane Polyol Methylene Diphenyl Diisocyanate (MDI)	Pressure	20 bar (290 psi) for Pentane / 120 bar (1740 psi) for Catalyst
Application details	Formed in 1993, UreaTac and based in Kyeongnam Korea, employs over 100 people. The company specialise in the design & manufacture of PU Foaming Machines for Rigid Foams, Flexible Foams, Semi-Rigid Foams & Integral Skin Foams, along with: Refrigerator Production Lines Sandwich Panel Lines Automotive Parts Lines Vacuum Forming Machines Engine Lines CRF Machines Mixing Heads Previously UreaTac had been using Beinlich & Lewa pumps in various positions of the process. However the initial capital costs coupled with the ongoing maintenance costs of these caused the company to look for an alternative, more reliable solution. Hydra-Cell G03 & G04 pumps seemed to be the obvious choice, as their seal-less design, and proven accurate metering could not be beaten. Pumping Pentane, Polyol & MDI at the desire flow & pressures was achieved without the need for any Pulsation Dampeners.		
Advantages of Hydra-Cell pump on this application	• Vastly reduced initial capital costs • Vastly reduced ongoing maintenance costs • Guaranteed accurate metering, without the need for pulsation dampeners		

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