



## **07/06/2007 - HUNTSMAN Polyurethanes**

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Huntsman Polyurethanes, one of the industry's foremost suppliers of Raw Materials and Polyurethane Systems, has recently bought OMS equipment which has been installed in the main research laboratory at Everberg, Belgium.

One high pressure unit ECOMASTER 2 15/5 DATA for research and development of new Systems for rigid low density foams (thermal insulation field). The OMS Group machine is suitable to process any kind of new generation blowing agent including 'HBBAs', hydrocarbons and 'LBBAs'. The machine is coupled to an additional metering unit H.P.D.U. series (High Pressure Dosing Unit) to inject the third component directly in the head (injection at same time with Polyol and Isocyanate). The unit can use a wide range of components (blowing agents, catalysts, flame retardant etc.) thanks to the special metering system;

To develop TPU systems (Thermo Plastic Urethane), OMS Group has also co-operated with Huntsman to supply a special low pressure 'EL/3C' series metering unit designed to process components having very high viscosities or products which are solid at room temperature with gel point varying from +40°C to +100°C.

Technical features of this machine are:

Extremely low working outputs (Polyol metering line 1-4g/sec; MDI metering line 0.5-2g/sec; DIOL metering line 0.125-0.750g/sec)

Due to the combination of an extremely high precision metering group and a closed loop output control system linked to mass flow meters it is possible to ensure the precision and consistency of the working output of each single component to within +/- 0.25% of the preset value.

Max 150°C working temperature range guaranteed by a special heating system utilising diathermic oil.

Where others failed in the past, OMS Group hit the target!