



## 01/08/2007 - Are You Sitting Comfortably?



The comfort and improved sense of well being for hospital patients and sufferers of back and neck complaints has seen major developments in the medical products sector in the use of Visco-Elastic and HR Flexible Foams.

French medical products supplier Askle Sante is one of the latest companies to install OMS Group equipment for the production of these critical products.

Based around a 6 station rotary table, OMS Group supplied a multi component High Pressure Metering Unit with 6 stream head attached to a 6 axis anthropomorphous robot.

The unit features independent metering lines for the Visco-Elastic (polyol and isocyanate) and HR Foam (polyol and isocyanate)

systems coupled to 3 common high pressure colour metering units and 1 for the addition of an anti bacterial agent.

Special attention has been paid to the mixing head design to ensure optimum mixing head outputs between 250 - 600 g/sec with the possibility to change the PU system and to introduce particular colour choice and anti bacterial agent according to the preset program cycle.

The rotary table has 6 working stations, each being composed of 2 independent pneumatically actuated mould support presses with individual temperature control and the ability to use single or double impression tooling.

The robot is capable of carrying out highly complex pouring patterns to ensure optimum mechanical and physical features and absolute repetitiveness of the final product.

Final cycle time of the plant is around 60 seconds per station, depending on the type and dimensions of the final product.

The successful introduction of this plant illustrates very clearly OMS Groups ability to study unusual and technically challenging customer requirements and to develop and build cost effective and reliable production solutions.