



## **29/06/2007 - Its All in the Head!!**

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In the simplest of ways it can be argued that the success or otherwise of any polyurethane metering unit lies in the efficiency, reliability and durability of its mixing head. This point is true irrespective of whether the head is of the low or high pressure type or whether the output is microdosing or massive.

OMS Group has therefore always designed and specified its own mixing heads which until recently were produced by a group subsidiary company. Following changes in the management structure in 1998 this subsidiary was devolved from the group and the decision taken to bring manufacture of all mixing heads, flow valves and other specific quality critical items under direct control and management.

This new production department was established in 1999 under the guidance of Claudio Gozzi, an engineer of many years experience in the design specification and manufacture of precisely this type of production. Under his careful control new CNC machining equipment has been installed together with new testing equipment to ensure that every single item produced meets our stringent quality criteria.

He has also implemented a review of the design of all our substantial range of low and high pressure mixing heads resulting in a small but significant improvement in the performance and reliability of our heads which our customers have seen by way of better durability and lower service requirements.

Of particular significance has been the introduction in the early part of 2001 of the ECOMIX Y2K range of high pressure mixing head which combines compact external dimensions for easier handling with a Vee angle orientation of the pouring nozzles for better mixing performance combined with a smooth dampened flow at the pouring nozzle outlet.

This new head will be available in a number of sizes to suit varying output requirements but we are particularly excited at the introduction of the new ECOMIX Y2K 4/6 version which will enable us to enter the high pressure microdosing market sector for the first time.