

LOW ERROR MARGIN AND LOGISTICS' FLEXIBILITY MAKE THE DIFFERENCE

Melotte NV's organisation can count on a strongly extended R&D department and is co-operating in European research programmes including Rapid Manufacturing, laser measuring and hard metal cutting.

"Melotte is organised according to the Holistic model" says Mario Fleurinck, General Manager of Melotte NV.

Holistic Manufacturing is a new comprehensive methodology of identifying and minimizing production variations. This approach brings together both technology and human systems to identify and reduce production variability.

At Melotte this is resulting in a continuous improvement process, an optimal usage of the technology and more susceptible persons involved in the process.

The number of logistic steps is minimized mainly by integration of Multitask machines, innovative CAD/CAM solutions and standardization of tooling – cutting & clamping.

The MIKRON UCP 1150 milling machine has a working range of 800 x 800 x 800. This complex high-tech machine combines 5-axis high performance hard metal cutting with very precise tolerance. "In the future it is our goal to do 5-axis simultaneous milling in an automation cycle" says Mario Fleurinck. "However, it is not our intention to produce unmanned. Our projects are from a geometric point of view so critical that the surveillance of an operator will be always needed."

Melotte is aiming an evolution towards generative production methods and miniaturisation by means of laser technology where geometry will be built up in new material such as inconell, titanium, etc. Our product offer will be perfectly in line with the market demand. The service industry will not disappear and therefore we will not evolve to less industry but more and above all to different industry based on an optimum man/machine relationship.