

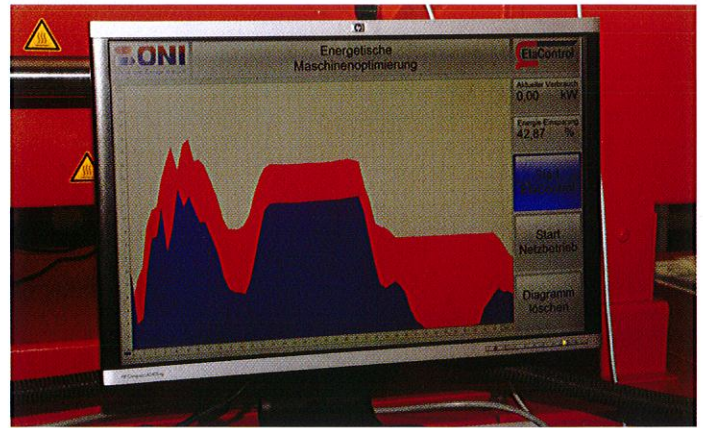
EtaControl® reduces the energy hunger of injection moulding machines

The new EtaControl® Technology from ONI is a further development of the ONI machine optimization system designed approx. 25 years ago. It is an ideal solution approach for the plastics processing company to cope with energy cost problems directly.

The power consumption of injection moulding machines is the major part of an electricity bill and an essential position of a plastic processing company's total costs. This explains why manufacturers of machines have intensified energy optimization measures for years. Regarding these optimization measures, however, the customers' requirements for a cost-efficient machine which has to produce a range of articles from a high-speed press for yoghurt cups or caps/closures to a demanding technical mould collide with the manufacturers' efforts who cannot give away an energy-optimized allrounder for half the price. In addition, the injection moulding machines manufactured up to approx. 6 years ago have a specifically high energy consumption just because of the requirement for universal features and a relatively limited efficiency of the hydraulic pumps in terms of energetic aspects.



EtaControl® in a practical application with a power saving rate of approx. 43 %



The new EtaControl® Technology from ONI, a further development of the ONI machine optimization for hydraulic injection moulding machines, is an ideal solution approach to cope with energy cost problems directly and efficiently. A controlled oil flow management adapting automatically and on-demand to the energy requirement of the machine in the cycle process and to the respective mould is the core of this technology.

Reductions in power consumption of up to 53 % on injection moulding machines were achieved with the most different ranges of moulds and machines, in a broad field application with ONI customers. An average **energy saving rate of 36 % was realized** for machines equipped with this technology up to now **at the same cycle time and product quality**. The fact that the output range of the injection moulding machines can be fully utilized is a special benefit of the EtaControl® Technology.

The product enhancements EtaControl® ES and SP now also cover the sector of injection moulding machines with electrical metering and/or hydraulic accumulator, in order to achieve optimum savings, too.

If we have attracted your interest and you wish information about the possibilities of optimizing your machine, do not hesitate to address us. We should like to give you advice.