

# New products have **DIEFFE MACCHINE** making waves

Having recently expanded its range of solutions, DIEFFE MACCHINE continues to bring innovative water recycling and microfiltration solutions to the glass industry. Today the company provides fully-automatic systems, RO systems for pristine water and microfiltration down to 1µm - all with a consistent focus upon environmental sustainability and tailored client solutions.

With its head office in Treviso, Dieffe Macchine provides solutions for both water recycling and microfiltration of water for the glass industry. Following years of experience in solid/liquid separation that hails back to 2002, Dieffe Macchine is highly specialised in the development, manufacture and turnkey installation of plants - all thanks to its use of the most updated and reliable technologies. Building plants tailored to specific client needs, technical staff at the company perform exhaustive feasibility analyses to offer an accurate technical and economical assessment of the viability of any project.

## **FROM SINGLE APPLICATION TO A COMPLETE SYSTEM**

Dieffe Macchine has also increased its product range and solutions in recent years. Here the company's attention to the detail has seen it improve the functionality of its centralised system such that it is now





completely automatic. Designed for glassware, the system's water flow rate is much higher than for one or two machines where water quality must be constantly optimum. The advantage of this solution is that, in comparison with a single centrifuge, the flow rate is unlimited. Automatic operation is a further advantage. Here the centrifuge carries out self-cleaning cycles automatically during operations. Indeed the centrifuge start and system water supply are both set automatically by the PLC. All this is supported by a remote assistance system allowing for constant system param-

eter monitoring even as different parameters are set.

### **MICROFILTRATION AND RO SYSTEM**

Another project to which Dieffe Macchine is committed is that of micro-filtration of up to  $1\mu\text{m}$  of water quality. The installation of a special filter in combination with the water treatment system is perfectly suitable - first for the spindles and compounding the water of the entire system, then for raising its quality. The RO system is designed for washing machines, which need water that's free of all impurity. The use of softened water for reinstatement of the water recycling system

eliminates scale deposits. Besides, being fed with softened water the RO system offers very high performance with lower water consumption.

### **ATTENTION TO THE ENVIRONMENT**

Dieffe Macchine can now supply different systems for all glassware that uses water in its processing - affording customers the opportunity to conserve water and save costs as well as reduce both water wastage and the discharge of dirty water - all while looking after the environment given that Dieffe Macchine solutions are chemical-free. Here the focus is on a future

where glassware will typically have its own water recycling system - an important reflection when one considers that water consumption will be government-regulated in the years ahead.

**Dieffe Macchine**

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