

# MERKAD MAKINA

mould manufacturing  
- innovations, state-of-the-art,  
competitiveness

In this article we take a look at how Merkad is continuing to respond to – and stay ahead of – market demands for special moulds. We are given an insider's view on how the company invests continuously to respond to these demands.



**M**erkad Makina manufactures glass moulds, equipment and machine parts for the global tableware glass industry. Located in Istanbul, Turkey, the company has 75 highly skilled employees working with the state-of-the-art machines, and carries out continuous investments in new mould making technologies, machines,

devices and design software to offer the best mould products with innovations and competitive prices and, last but not least, prompt delivery.

**MORE THAN 30 YEARS' EXPERIENCE AND KNOW-HOW**

Merkad has more than 30 years' experience and know-how

## COMPANY UPDATE

in the manufacture of tableware glass moulds. Today Merkad is a top-notch and leading tableware mould manufacturing factory that offers high quality stainless steel material with the ESR (Electro-Slug Re-melting) process, machining, design engineering for complete moulds, equipment and machine parts.

The machining capabilities of Merkad Makina come from its state of art high-tech machine park including: 3-4-5 axis high speed, high precision CNC machining centres, CNC lathes, Coordinate Measuring Machine (CMM), PTA CNC welding machine and from other auxiliary machine investments.

### EFFICIENCY AND QUALITY

The main target of Merkad's developments is to increase the efficiency and quality of the glass production of its customers with high-quality tableware moulds and equipment.

Merkad's quality policy is to be a 'Total Quality Organization', which is made possible thanks to the company's modern, technological point of view, also maintaining continuous improvement to meet or exceed customer expectations.

Merkad pays great attention to

keep the quality of its products at international level, with considerable efforts to obtain the further success of its brand, which has secured a special place in the glass industry. As a result of these efforts, Merkad was awarded the ISO 9001:2000 Quality Assurance System Certificate in 2009.

All intermediate processes and products, from raw materials to finished products, are controlled by advanced machinery and the professional Quality Assurance Department to guarantee Merkad's quality assurance.

### CALIBRATION AND DESIGN

Merkad also has a calibration lab in its plant where it calibrates its measuring devices with gauge blocks and testers, which are traceable according to an international system. Having an internal calibration lab provides shorter calibration periods.

Merkad's Design Team helps its customers with its innovative suggestions in product and mould equipment designs. Probable problems, which may occur during glass production, are simulated by using advanced software programs. Merkad's Design Team also helps its customers with following:

- determining cooling profiles of





## COMPANY UPDATE

- plungers and moulds;
- identifying exhaust holes in fixed blow moulds;
- calculating parison design for press and blow moulds;
- obtaining homogeneity, glass thickness and ovality on spinning moulds;
- reverse engineering: relief obtained by laser scanning wrapped on any base surface,

- after the mould design details have been finalized by Merkad, providing 2D and 3D files to the client for approval.

### LAST BUT NOT LEAST - SOFTWARE

Merkad's production planning team also utilizes ERP software, in order to track all jobs during the production process. The pro-

duction department keeps computerized schedules to stay ahead of each process and obtains current updates from all phases of production.

Merkad works with some of the biggest global glassmakers, such as:

- Pasabahce;
- Arc International;
- Libbey. ■



**MERKAD**  
MAKINA KALIP SAN. ve TIC. LTD. STI.

**MERKAD MAKINA LTD.**

Selahaddin Eyyubi Mahallesi Ugur Mumcu Caddesi, 1596 Sokak. No.20  
34517 Esenyurt/Istanbul - Turkey  
Tel.: +90 - 212 - 4830710  
Fax: +90 - 212 - 4830727  
E-mail: info@merkad.com  
[www.merkad.com](http://www.merkad.com)

