



37th year

BEYAZAY MOULD

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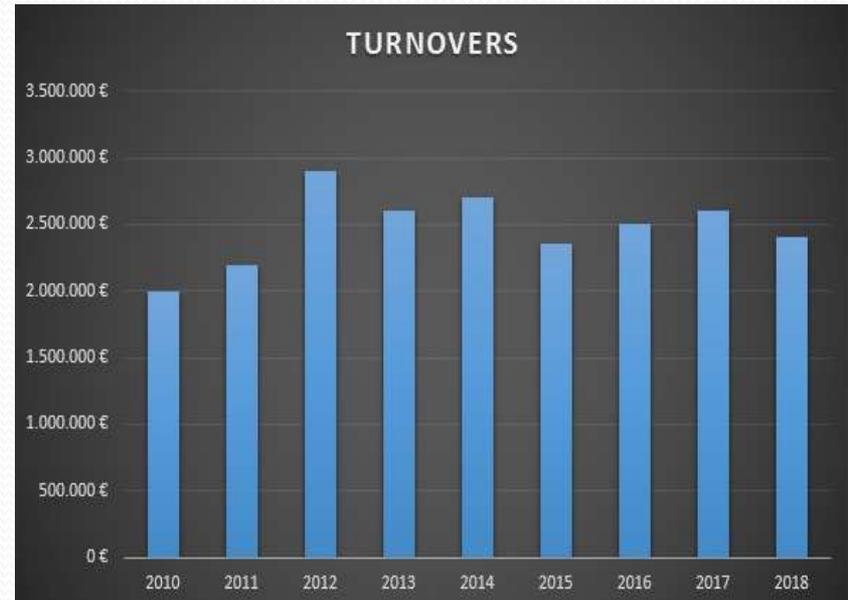
www.beyazaykalip.com

COMPANY HISTORY

- ✓ **1983** “Beyazay Kalıp” was founded to service in plastic injection sector.
- ✓ **1983-2000** For automotive sector, molds were started to be produce. First of all, it started CNC aided mould manufacturing in 1996.
- ✓ **2000-2003** Milling capacity was increased from 650x400mm to 1250x750mm and established CAD-CAM department.
- ✓ **2003-2006** In order to reply sector’s need quickly, High Speed CNC was added to machine track.
- ✓ **2006-2008** After observing sector’s needs, it commissioned CNC Wire EDM and certified its quality management with ISO 9001:2008 by TUV-CERT. It carried its quality one step ahead.
- ✓ **2008-2009** As a result of its R&D research, it expanded its capacity by founding its cable grouping department.
- ✓ **2010-2011** Super graphite CNC EDM, 2 CNC vertical machining center and CMM added to machine track.
- ✓ **2013-2014** “Beyazay Kalıp“ moved its current location which has 1500 m² working area. One more CNC vertical machining center has added to machine track. And milling capacity has increased from 1250x750 mm to 1600x1400 mm.
- ✓ **2015-2016** For increasing the capacity of the milling, 1 more CNC vertical machining center has added to machine track.
- ✓ **2016-2018** We add 3 injection machines for try outs of the molds and serial productions.
- ✓ **2019** According to customers’ needs, we increased our machine capability with 5 axes milling machine.

QUALITY CERTIFICATION

TURNOVERS



MACHINE TRACK

CNC Vertical Machining Centers

- HERMLE C400U (5 axes) (Ø800 x 600) (18.000 Rpm)
- GENTIGER GT-1614V (1600 x 1400 x 600) (10.000 Rpm)
- MAZAK VCS 530C L (1050 x 530 x 510) (12.000 Rpm)
- ARGO A-56 (560 x 410 x 410) (15.000 Rpm)
- ARGO A-56 (560 x 410 x 410) (10.000 Rpm)

EDM Machines

- MAKINO EDAF3 CNC (800 x 600 x 500)
- CHARMILLES ROBOFORM-35 CNC (600 x 400 x 350)
- ARISTECH EDM-LS-550 EDM Mac. (1300 x 750 x 550)
- AJAN EDM-983 EDM Mac. (600 x 400 x 350)

WEDM Machines

- MAKINO EU64 CNC Wire EDM Mac. (1500 x 600 x 260)
- LER DR-32 CNC Hole Drilling EDM Mac.

CMM

- COORD3 Eos 544

Conventional Machines

- HERMANN KOLB Radial Drilling Mac.
- GENTIGER SCHM 97A Conventional Milling Mac.(2pcs)
- LAGUN FTV-2S Conventional Milling Mac.
- TEZSAN SN40-50 Lathes Mac.
- JUNG HF-50R Surface Grinding Mac.
- TOS-VS32 Drilling Mac.
- MIKRON M-40 Drilling Mac.
- UZAY 280 Sawing Mac.

Injection Machines

- JONWAI 250T SES (580 x 730)
- BORCHE 150T BTIII (460 x 460)
- BORCHE 80T BTIII (360 x 360)
- MULTIPLAS 55T (Vertical)
- EXMA 25T (Vertical)



PROCESSING CAPACITY

- **CNC Mill Processing Cap.** Max.1600x1400x900mm
Max. 6000 Kg
- **CNC WEDM Processing Cap.** Max.1400x600x260mm
Max. 1500 Kg
- **EDM Processing cap.** Max. 1500x800x400mm
Max. 2000 Kg
- **Mold Dimensions** Max. 1900x1600mm
- **Mold Weight** Max. 15.000 Kg
- **Crane Capacity** 10 Tons (2 pcs)
5 Tons (1 Pcs)
- **Annual Average Production** 70-80

SOME CONTROLS IN MANUFACTURING

- **Tool Path Control:** All the tool paths are re-checked in order to minimize risks of tool collisions and wrong machining.
- **Preparation before texture:** In order to understand pattern applying feasibility, acid test applied after polishing of surfaces where texture will be applied.
- **Tool wearing:** After parting line and operation on critical surfaces, if the wearing on tools is more than 0.02mm, it is repeated by means of new tools.
- **3D Measuring:** After the Cnc Operation procedure by 3D measuring the control, Renishaw.

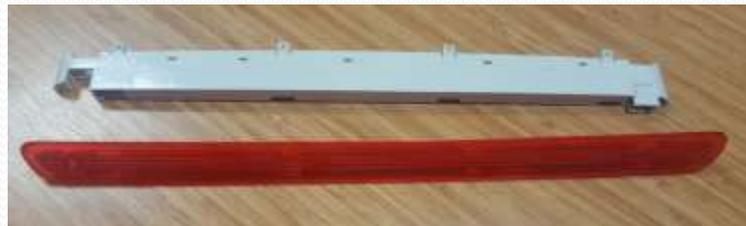




SOME OF OUR PRODUCTS









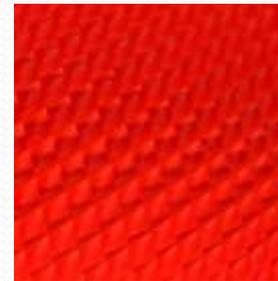








Mercedes-Benz





CLIO







TOYOTA

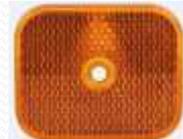
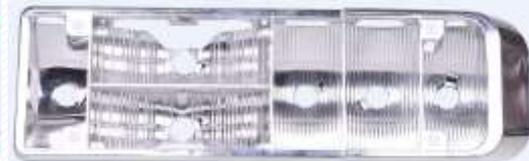




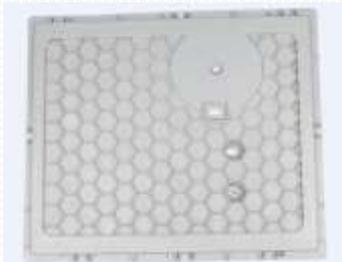




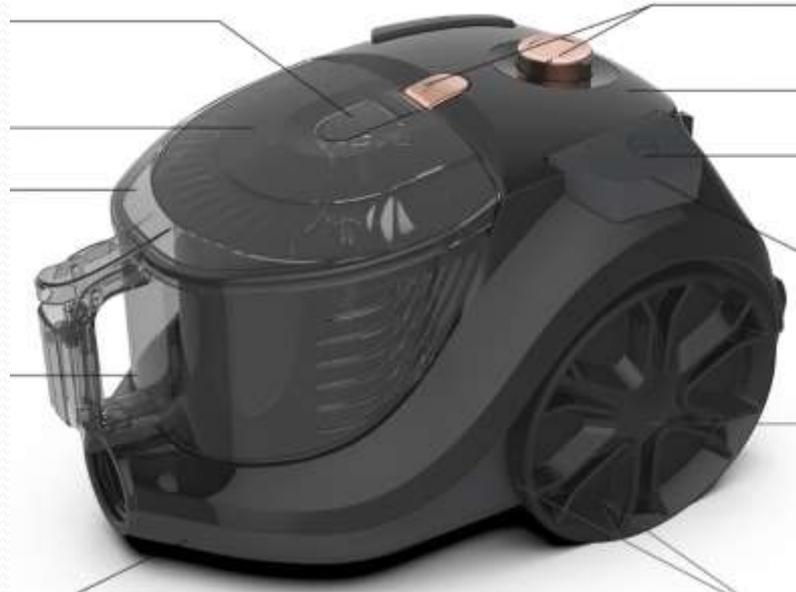
TRAILIGHT SYSTEMS



B/S/H/









REFERENCES



TOYOTA



Audi



Mercedes-Benz



RENAULT



CITROËN



BOEHLER AND SIEMENS HOME APPLIANCES GROUP



Genel Otomotiv Mamulleri San. Tic. Ltd. Şti



Beşford plastik



Automotive Signal Lights



PARTNERS



