



Die-Cast Unit Molding Unit



Molding Unit

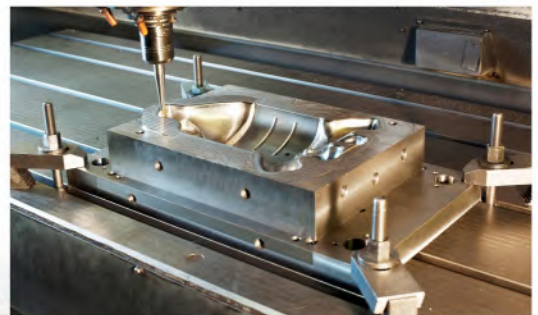
Molding Unit was set up in 1995 to supply required molds for fixture manufacturing; and with attracting experts, purchasing accurate machineries, benefitting from world`s updated science in CAD (Computer Aided Design), CAM (Computer Aided Manufacturing) and CAE (Computer Aided Engineering) within 20 years and gaining worthy experiences, has been able to produce industrial molds for manufacturing automobile parts or lighting industry parts in the shortest time.

- In designing section of this unit, through last versions of engineering software, molds are designed and then, in next step, all production process (Injecting) is analyzed.

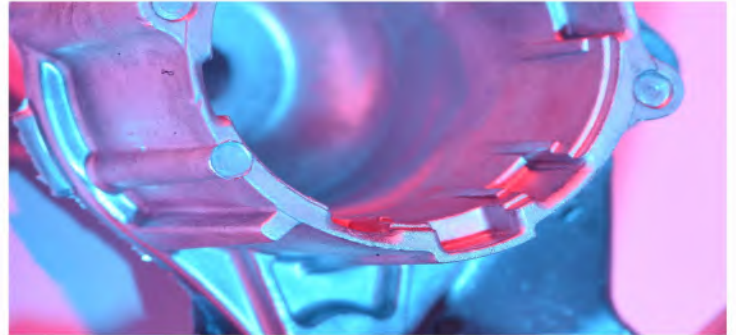
- In machining workshop, milling, turning lathe, EDM (Spark), grinding, boring, etc... are available in both manual and CNC which have high accuracy.

- Golnoor Lighting Group`s Molding Unit is able to manufacture die-cast aluminum molds, plastic material injection, metal die sheet molds and stretching molds up to 1700*1500*900mm dimension and up to 9000kg weight.

- The perfect knowledge of Golnoor molding engineers according to SAE, PSA and IEC in manufacturing pieces area and the high performance is the reason of this group`s special capability.



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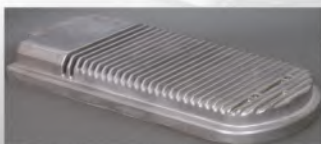
Die-Cast Unit was set up in 1993 only with two die-casting machine for manufacturing street lighting fixtures and the aluminum parts, then started to purchase and complete the equipment year by year. In this regard, with benefitting from 13 horizontal die-casting machine, expanded production capacity from 2,500KN to 20,000KN (Locking Force) in the area of around 8000 square meter.

- This unit has achieved a high expertise in manufacturing aluminum parts, due to taking full advantage of a knowledgeable party with 22 years of experience and metallurgy science.

- All abovementioned die-casting machines have manufactured by the well-known German incorporation, Buhler- Miag, which produces high quality products through developed controllers and accurate equipment.

- Till now, die-cast Unit has been producing more than 100 aluminum pieces in lighting and automobile manufacturing industry.

- Utilizing quality management in production process and benefitting from automobile aluminum pieces standards (SAE) as well as casting aluminum alloy standards (DIN 1725) in manufacturing tests, has been grounding for manufacturing uniform quality pieces as well as maximum compression without any bending, crack or porosity in range of customer dimension request according to the needed aluminum.





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