EPS Mould

Mould A Green Life

Supply Highly Customized EPS & EPP Moulds

Hangzhou Epsole Technologies Co.,Ltd.

CONTENTS

INTRODUCTION

Hangzhou Epsole Technologies Co,Ltd.is a private-owned enterprise located in Hangzhou,China.With over 10 years experience,the company is famed for its profession in R&D,manufacturing and sales of EPS machinery,EPS Accessories, EPS raw materials and EPS moulds,etc. Epsole has been focusing on the cooperation with customers,supply of technical imformation,sharing of intellgence and installation of machinery as well as the promotion of automation and woking efficieney so as to improve the company's competitiveness and reallze mutual benefits.Epsoleis sincerely lboking forward fo cooperate with all customers that have Interests ih cur podtets and technical services.We are confidtent to provite high quality services for customers from all over the world

Design-
Computerized Modeling

About Our Products

Epsole designs & supplies professional EPS,EPP moulds with an annual output of around1000 sets.We adopt CRM and other design softwares to design and manufacture EPS,EPP plastic moulds.All moulds are made by high-quality aluminum alloy with Telfon coating,assembled by standard frames and cooling system,which achieves convenient de-moulding,anti-corrosion,high temperature resistence and long life.Epsole is capable of manufacturing highly customized moulds in accordance with clients'varieties of machines.e.g.ERLEN-BACH,KURTZ,HEITZ,HIRSH,etc.

3D PRINT MOLD
Core Mould Preforming

CASTING
V Casting with Vacuum

1.Working principle,working process

Vacuum sealing modeling is a method of physical modeling,called third-generation modeling method.It uses plastic film sealed casting box,the vacuum pumping take the model air out,causingthe pressure difference inside and outside of the mold,so dry sand compaction forms a cavity. Therefore,the vacuum seal forms,also named as "negative shapes"or " decompression model."and the simple method known as "V". modeling method is as follows:

1)Casting with pumping box and pumping hole template.

2)The state of baking plastic film was covered in template,vacuum pump suction air make the film attached to the template formed . As shown in Pic 1.

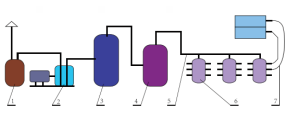
3)The exhaust pipe with filter of casting box placed on the covered plastic film of the template.

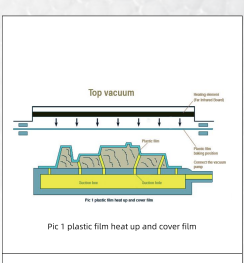
4)The casting box is filled by dry sand with no binder and accesso-ry by microseism make the sand compaction,trickle,placed on thesealing film, open the valve take the air of inside sand out,so that the existence of mold both inside and outside pressure will be different(about 300 ~400mmHg). Because of the pressure difference so that the mold shape formed with a high hardness,wet-type hardness tester readings around 95.As shown in Pic 2.

5)The lifting of the vacuum inside the template,then pull out the mould.The casting need continuous exhausting the vacuum untilsolidification of the casting.Make the matched mold by this method.

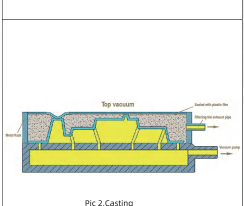
6)Core setting,closing and casting as Pic 3.

7)After the metal solid,stop sucking air from inside.When the pressure is close to the atmosphere pressure,the cast will be lost itself.

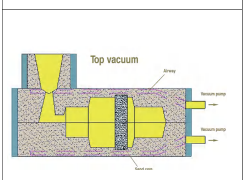




Pic 1 plastic film heat up and cover film



Pic 2,Casting



Pic 3 core setting,closing

2.Main features Of V Casting

1)Improve the quality of castings.Smooth surface,contours clear,accurate size.High hardness and uniformity of the mold,pull outthe mould easily.

2)simplify the equipment,saving investment,reduce the mainte-nance cost. Save of the adhesives,accessories and mixer sand equipment.Sand recycle rate more than 95 %,and the equipment investment reduce to 30 %, equipment driving for wet-type of 60%,the workforce reduction of 35%.

3)Sandbox and mould have long service life.

4)High metal utilization,good metal flow,strong filling ability,andcan be cast out of the thin-wall pieces of 3mm. Mold castinghigh-hardness,cooling slowly,the use of feeding to reduce the size of side.improve the production and reduce the cost.

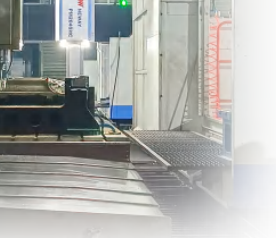
5)Environmental protection As a result of the dry sand without binder, eliminating other sand casting process in the binder,attachment or drying processes,reduce the environmental pollution,green casting process.

PROCESSING
CNC Processing and QC

Quality Control

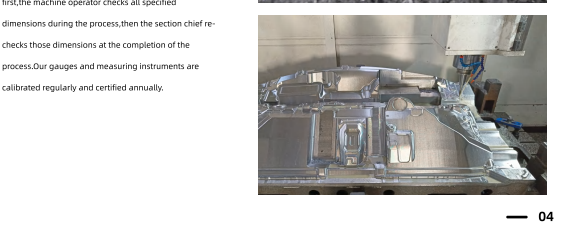
Epsole allways attaches much importance to the QC of EPS moulds,strictly abide to ISO9001 standard.We take great pridein our work,and follow every step to ensure that our EPS molds are manufactured to fit your requirement.We use a two-tiered quality control system: first,the machine operator checks all specified dimensions during the process,then the section chief re-checks those dimensions at the completion of the process.Our gauges and measuring instruments are calibrated regularly and certified annually.

ASSEMBLING
Preinstall and Installation

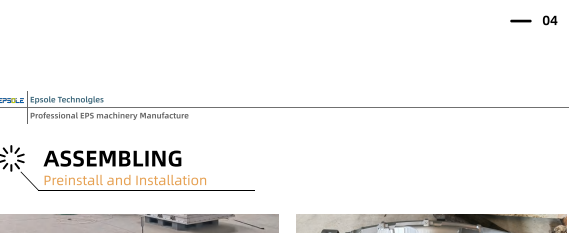


INSPECTION
Before Leaving the Factory

EPS MOULDS



EPS PRODUCTS



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