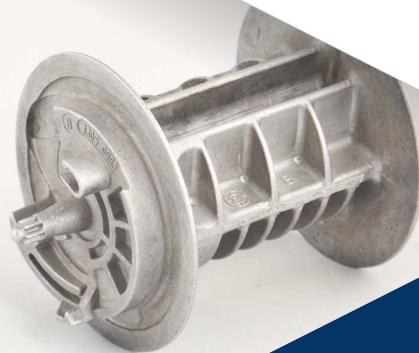


Voulgarelis Tooling

Precision Moldmaking

· ISO ·
9001-2008
CERTIFIED QUALITY



Company Presentation

9 Koronis Street, 121 33 Peristeri, Athens, Greece

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www.voulgarelis.gr

About us

Our company, Voulgarelis Tooling, was established in Athens, in 1983. The founder, Athanasios Voulgarelis, had gained valuable experience as a mould maker, by working for more than a decade, for well known American and Canadian toolmaking companies.

In September 2002, we moved to our new, spacious workshop, conveniently located in the heart of the industrial area in Peristeri, an area easily reached, close to Metropolitan Athens, its nearby vicinities and the port of Piraeus.

From the very beginning, our aim has been to use the most advanced equipment and we strive to keep up with all the latest technological advancements in tool making. At present, the largest mold that we can manufacture weighs 3 tons and has outer dimensions approximately 1000x800mm.



Quality control



We are an ISO 9001:2008 certified company. Effective quality control is an ongoing process which begins with the proper steel selection according to tooling design.

Dimensional evaluation is being done in all stages of mould production with our high precision measuring equipment. The mould components are measured with the use of the machining centers immediately after machining is performed. We use modern CMM equipment for quality control according to the guidelines of our ISO 9001:2008 certificate.

All projects are concluded with a full dimensional report of critical components and the final product. We are trained in preparing all PPAP documentation according to our customers' requirements.

Software

We pay special attention to using the most recent CAD/CAM software to complement our processes. We are constantly upgrading our software in order to implement the latest developments.

The software packages that we are using are Unigraphics NX, I-deas and Edgecam.

With the help of these programs, we prepare the blueprints that are used during the tool construction, and also those which are needed by our customers for mold maintenance and certification purposes.

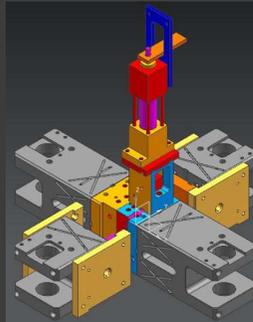
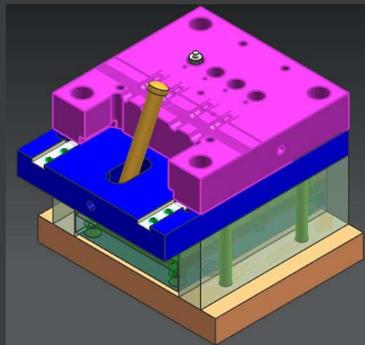
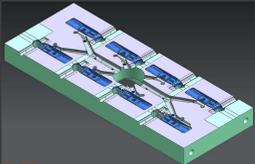


Special machining

Because of our large programming and machining experience, we are often asked by our customers to manufacture prototypes of their products.

Most often the prototypes are manufactured from aluminum, but in some cases other materials are used such as steel, PVC sheets, Ertalon, or even MDF.

The prototypes that we have manufactured have been used by our customers, in the automotive, medical supplies and precision casting industries.



Plastic parts production

With a "Lean" work cell production process, Voulgarelis Tooling has the capability to handle your production runs in the most efficient and cost effective manner. From initial concept to completion of production, we offer some of the most competitive "one stop shop" services in the industry. Our R&D ,prototyping ,design and manufacturing of molds ,production of plastic components and quality control services ,all under the same facility allows us to offer all around ,cost-effective and fast solutions.

Stable production conditions ,repairs and rapid mold changes coupled with a highly trained workforce minimize down time and maximize run time .We do sampling of prototypes ,small and medium volume production .

We are capable to produce parts up to 350 gr. ,clamping force 150 tn. and we cast in a variety of materials such as PP,TPE,PC/ABS ,POM/KEVLAR ,PA66 35GF and others 1000x800mm.



Injection moulding tooling

We have constructed a wide range of moulds for the production of technical components for automotive applications, medical supplies, etc.

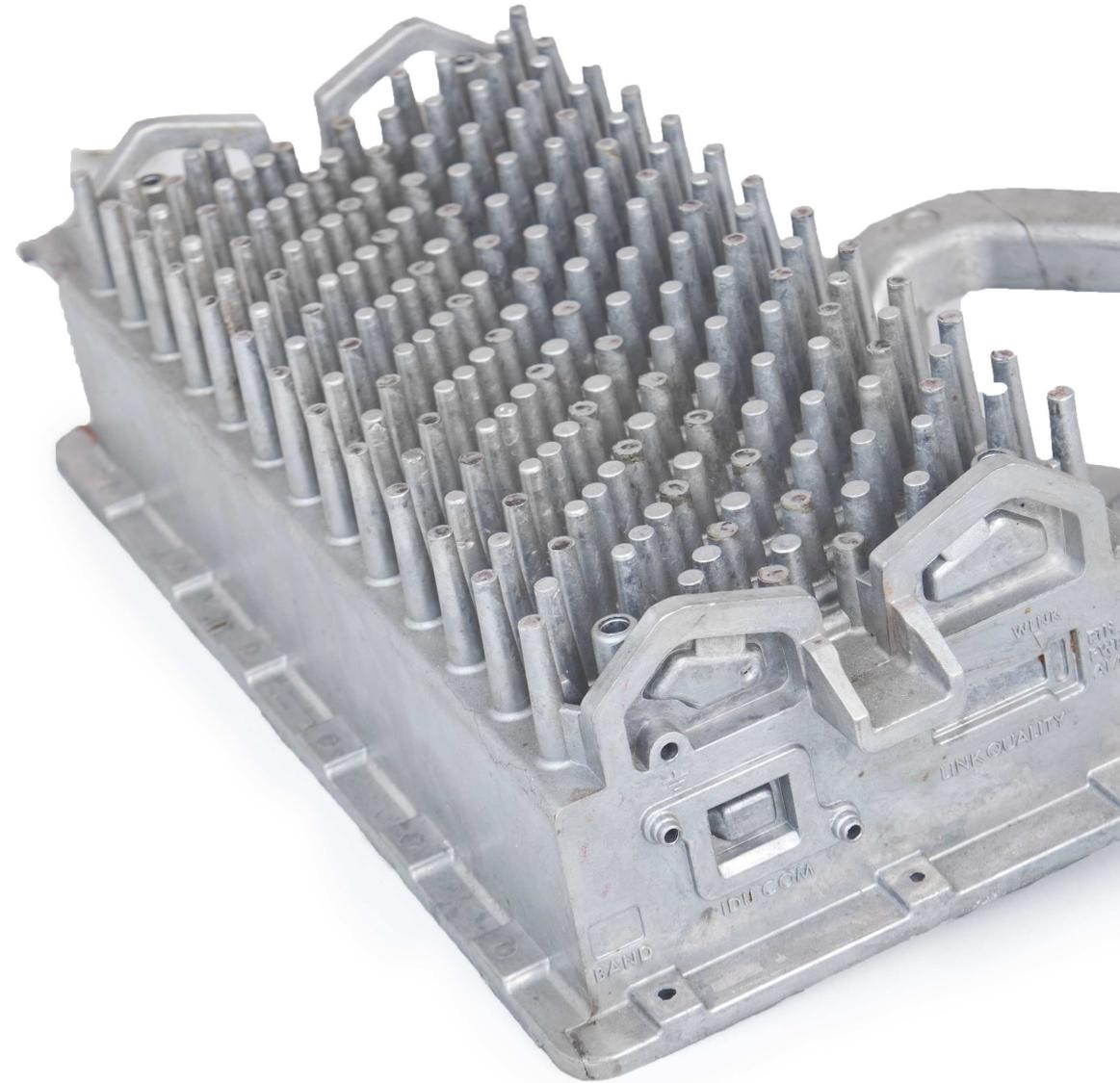
We offer in-house sampling of our tools and also short and long production runs for our customers.

Die casting tooling

We have a long experience in manufacturing tools for cold chamber and hot chamber die casting machines. We pay attention to evaluating the correct gate and runner dimensions of the mould taking into account the nomogram of the die casting machine to be used for the casting and also the special requirements of each and every one product.

Hot chamber die casting of zamak

Our specialized staff can offer in-house hot chamber die casting of zamak components. The range of our die casting machines is from 20tn up to 100tn clamping force. We use this capability for the sampling of new die casting tools and also for series production of zamak components.



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It would be our pleasure to meet you and/ to get to know you and your products and to have a look at your production line and discuss all the details concerning them.

Our e-mail address where you can send us your two-dimensional blueprints or three-dimensional files, is: info@voulgarelis.gr

For more information please visit our new website at www.voulgarelis.gr

A handwritten signature in white ink, appearing to read 'Antony Voulgarelis', with a long horizontal stroke extending to the right.

Antony Voulgarelis

General Manager
Voulgarelis Tooling