

your
Die Casting
partner



PEKTECHNIC
engineering works

About Us

PEK TECHNIC located in 7.000 m² closed area embodying Tool shop, High Pressure Die Casting Presses, CNC Turning and Machining Centers, Paintingshop, Surface Treatments Machines and Assembly Department is an integrated casting and finishing plant. Automotive Industry Products are % 70 of our total production and include products such as Vacuum Pumps, Motor Oil Coolers, Rocker Arms, Oil Spray Jets and various other spare parts for Passenger and Light Commercial Vehicles for Aftermarket. The remaining product range is Die Casting Components for OEM Automotive Industry, Electric-Electronic Industry, White Goods & Small House Applications Industry and other machine parts Industry.

PEK TECHNIC is certified by International standards ISO 9001 and IATF 16949 and accept "LEAN PRODUCTION" and always aims "ZERO DEFECT" with special measuring devices..

VISION: To be one of the leader companies in the automotive and die casting sector influencing international market

MISSION: To serve best quality to customers focusing customer satisfaction, demand and expectations

Quality Policy

WE COMMIT THAT:

- Defining quality and environmental system, certifying this system and continuous improvement
- Reviewing and evaluating business processes by developing performance and defining necessary preventive actions
- Increasing effectiveness of all the process by focusing continuous improvement
- Consuming natural resources and all energy resources optimum.
- Decreasing pollution level maximum
- Following all legal rules and regulations related of the Environmental Management System

Quality Management System (QMS) standards have been defined at Pek Technic. Top management has defined legal and customer conditions to ensure QMS implementation, development and continuous improvement of the effectiveness. Pek Technic defined its quality policy, sets the quality targets and provides all the resources. In addition , Pek Technic defines all the job description responsibilities and authority in the organization.

Laboratory Equipment

- CMM	- Device Thread Gauges	- Micrometers
- XRAY	- Hardness Measurement Device	- Shore meter
- Profile Projection Machine	- Digital Marking Gauge	- Spring Tension Measurement Device
- Spectrometer	- Johnson Gauge Blocks	- Calipers
- Surface Roughness Measurement	- Thread Gauges	- Johnson Gauge Blocks



Department

PEK TECHNIC embodying Tool house, High Pressure Die Casting Machines, CNC Turning and Machining Centers, Paintingshop, Eccentric Presses, Surface Treatments Machines and Assembly Department is an integrated casting and finishing plant.



High Pressure Die Casting Department

There are 10 Cold Chamber High Pressure Die Casting Presses (100-750 ton) in this department. Aluminum and Zamac Alloys are consumed as raw material in this department.

Press Shop Department

There are eccentric and trimming presses cutting and bending sheet metals in this department.



Machining and Finishing Department

There are 5 CNC Turning Machines, 10 CNC Vertical Machining Centers, different types of machining and finishing machines in this department.



Tool House Department

Our tool house has skilled personal and high quality machine equipment to produce tools and die for the plastic – metal injection machines and cutting-bending sheet metal for the eccentric presses. Because we have tool house in our factory, our production costs decrease and productivity increase.



Surface Treatment Department

There are vibration and Tumbling Type – Shot Blasting Machines in this department.



Paintshop Department

All casted parts can be painted and coated in this department

Assembly

Assembled brake and engine spare parts are produced for the Aftermarket Automotive industry

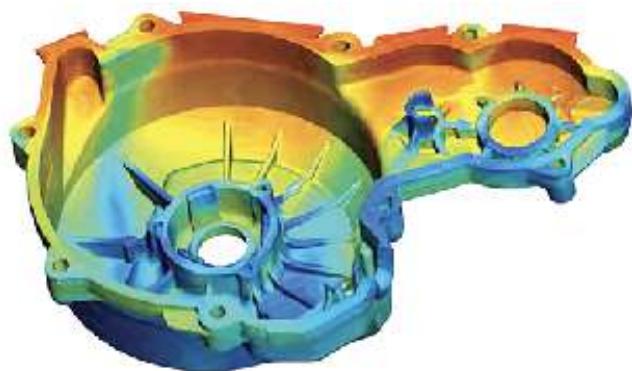
Manufacturing & Research-Development

TOOLING AND SIMULATION

Before mold design, we perform advanced Material Flow Simulation to optimize filling behavior, minimize defects, and ensure robust die-casting quality.

New project designs, optimised for better castings with close customer cooperation.

To enhance better results in new projects Casting Simulation Software "JSCAST" is used for Liquid Filling Analysis Solidification Patterns



DIE CASTING

PEK TECHNIC provides system solutions with aluminum die-casting of the highest standard. Simultaneous engineering is the foundation of our cooperative and professional development consulting. We achieve innovative die cast solutions with highest quality specifications and a zero defect strategy.

With our die casting machines featuring clamping forces of 100 ton to 750 ton, all of which are integrated in fully-automated casting cells, we produce complex, high-precision and pressure-tight components according to customer specification. PEK TECHNIC makes partial sizes between six grams and 4.5 kilograms.

DESIGN & ENGINEERING

Pek Technic has evolved from a traditionally separated design and manufacturing structure into a fully integrated workflow. With SOLIDWORKS Design-to-Manufacturing Process Solutions, every stage from concept to final assembly is brought together in a single, seamlessly connected environment. This integrated approach enables design and manufacturing processes to run concurrently, accelerating development, improving collaboration, and ensuring a smoother transition from idea to market.



All Industries We Cooperate

- AUTOMOTIVE
- MOBILITY
- ELECTRONIC
- WHITE GOODS
- MEDICAL
- LIGHTING
- DEFENCE
- HANDTOOLS



Automotive

70% of our automotive production is dedicated to OEM business, while the remaining 30% serves the aftermarket.

Oem Products





Technical Capabilities

CATEGORY	SPECIFICATION
Aluminium Alloys	EN AC-46000; EN AC-46100; EN AC-44300; EN AC-43400; EN AC-43200; EN AC-47100; Silafont®-36
Zamak Alloys	Zamak-3; Zamak-5
Part Weight Range	6 g – 4.5 kg
Tolerance Capability	Up to +/- 0.05 mm (depending on geometry)
Annual Capacity	2,000 tons / year
Primary Process	High Pressure Die Casting (HPDC) – Cold Chamber; Tool Manufacturing
Secondary Processes	CNC Machining; Surface Treatment; Painting; Assembly
Quality Standards	IATF 16949; ISO 9001
Engineering & Simulation	Material Flow Simulation (JSCast); SolidWorks

