



# Peiman Sarhani

Mechanical Design Engineer

## Profile

Experienced Mechanical Designer with 7 years in the industry, specializing in innovative solutions for **agriculture**, **automation**, and **automotive** technologies.

- Proficient in **Solid Edge, SolidWorks, CATIA, PTC & ATUOCAD**, and computer-aided technologies. Skilled in developing detailed drawings, collaborating with cross-functional teams, and optimizing manufacturing processes. Experienced in designing and managing the production of various machinery,
- achieving notable weight reduction, increased output, and improved design efficiency. Adept at utilizing GD&T principles and creating prototypes to drive impact solutions.
- Seeking a challenging role as a Mechanical Design Engineer to leverage expertise in machinery design, manufacturing, and geometric dimensioning and tolerancing.

## Employment History

### Mechanical Designer at Peruzzo, Padova

July 2024 — Present

As a mechanical in Peruzzo continues to lead the way in innovative solutions for **agriculture** and green area maintenance.

Working as a mechanical designer and design a new machine from sketch to manufacture : Vertiflex for scarification. using solidedge PDM and working at the same time on technical design for manufacturing.

- Developed detailed drawings of components that included all necessary dimensions, notes, and tolerances
- Collaborated with cross-functional teams to ensure design solutions were feasible and cost-effective
- Generated bills of material to ensure all necessary components were included in the design

### Machinery Design Engineer at Ingenium Pro, Padova

September 2023 — March 2024

Ingenium Pro is a mechanical design studio It has experience in various industrial sectors such as automation, scientific research machinery. The job was in ENGLISH.

- Wood CNC Machine : using PTC-Cero develop tailored design and precision manufacturing of the Wood CNC Machine along with more than 600 part and assembly draft and GD&T.

## Details

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Italy

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[peymansarhani1370@gmail.com](mailto:peymansarhani1370@gmail.com)

Date of birth

19/07/1991

Nationality

Iranian

Driving license

YES

## Links

[peimansarhani.com](http://peimansarhani.com)

## Skills

Mechanical Engineering -  
Manufacturing

Geometric Dimensioning and  
Tolerancing

Machinery

Automotive Industry

Solid Edge - Solidwork

Catia-PTC

Microsoft Office

Prototypes 3DPRINT

## Languages

English

italian

persian

- two-shaft shredding : using the SOLIDWORK PDM To Fully engineered and managed the production of a two-shaft shredding machine from initial concept through to completion platform to model that improved design efficiency and reduced waste by 10% for shredding material.

### Senior Mechanical Design Engineer at Azin Electro, Tehran

April 2022 — May 2023

Azin Electro Idea, founded in 2019, develops pioneering technologies and electronic components for automotive companies.

- Design JIG & Fixture and the cover for electric component.
- Leveraged SolidWorks, AutoCAD & SOLIEDGE to design ECU JIG and Fixtures-, achieving a notable 15% reduction in weight and size, thus optimizing manufacturing processes for two car models.
- Create a Testing Production Line: Oversaw ECU testing using pneumatic tools, facilitating over 1,000 daily tests, while also spearheading the development of innovative jigs and fixtures for BCM, resulting in a remarkable 30% reduction in testing time.

### Senior Mechanical Design Drafter at JETCO, Tehran

January 2019 — January 2022

Advanced Automotive Technology Research and Development Company: Design Second electric car:

- Led the design of Iran's second Full Electric Vehicle, implementing innovative battery pack solutions with LI ION batteries using Catia and Inventor. Achieved a 20% weight reduction and increased output to 160 HP.
- Managed vehicle Packaging, Ergonomic Design, and simulations for the JX10 international platform, enhancing overall vehicle performance. Utilized Catia and Inventor software extensively in the design and simulation processes.

### Mechanical Engineering Technician at IKCO, Tehran

February 2015 — November 2018

Iran Khodro, branded as IKCO, is an Iranian automaker headquartered in Tehran. Design over 100 Automotive SPARE PARTS

- Successfully diagnosed and repaired complex mechanical and electrical systems on a variety of vehicles, resulting in a 20% customer satisfaction rate,

utilizing CATIA and Solidedge.

- Organized and maintained engineering documents to ensure traceability and efficient indexing, with expertise in sheet metal design and GD&T principles.

## Education

### Bachelor of Mechanical Engineering, Karaj Islamic Azad University

February 2011 — June 2015