

Attractive Appearance

Demand

New Technology

Research

Brand

Engineering

Recognize

Brain Storming

Better Quality

Prototype

Innovation

Think

Strength

Approach

Lower Cost

Shorten Lead Time

Risk

Visualize

PARAS CAD CAM CAE

Paras is committed to provide cost-effective solutions that streamline manufacturing cycles, enable collaboration with outside vendors, and ultimately shorten product delivery time. With installations in the automotive, consumer plastics, and electronics industries, employ Paras' cutting-edge CAD CAM CAE solutions.

The Computer Aided Design, Manufacturing & Engineering (CAD CAM CAE) services & CAD Centre acts as a crucial link to foster the development of high value-added services and to streamline product innovation processes in India. Paras have proven history of success in Product Development from quoting-to-delivery.

Paras CAD CAM CAE with its CAD Centre, share knowledge on CAD CAM CAE, GD&T, Tool Design, etc. with the help of experienced engineers. Our engineers having a good experience with well-known companies and deliver their knowledge to Industries as well as Engineering students.

*Simply, "**We Believe In Creation**".*

Approach

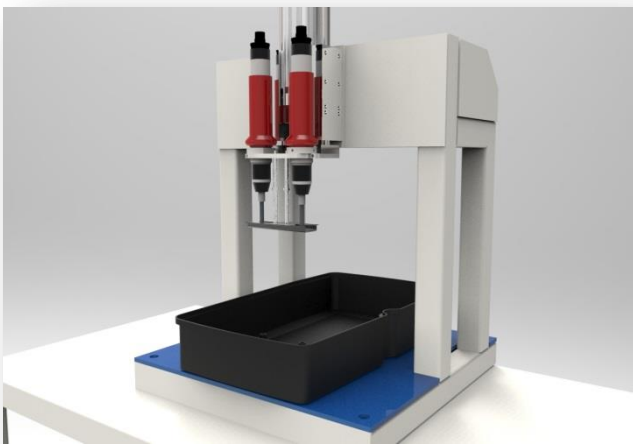
We are passionate creativity nature to adapt client process and methodology which bring client satisfaction, fulfill needs and solve their challenges. We are always committed and ready to invest in long relationship. Our competency in client's project & program.

Design & Engineering

We are accompanying CAD CAM CAE facilities used by creative, well experience design engineers who are always supported by relative domain experts. Our team deep dive into user needs to find unique convenient solutions.

SPM Design

Special Purpose Machine design is approached in steps starting from study client requirement, conceptualization, detailed design and simulation, prototyping and development of the machine. Paras CAD CAM CAE takes up the challenge of serving SPM design demands through significant levels of expertise in machine tool design and related industry and high level of capability in accurately satisfying the requirements.



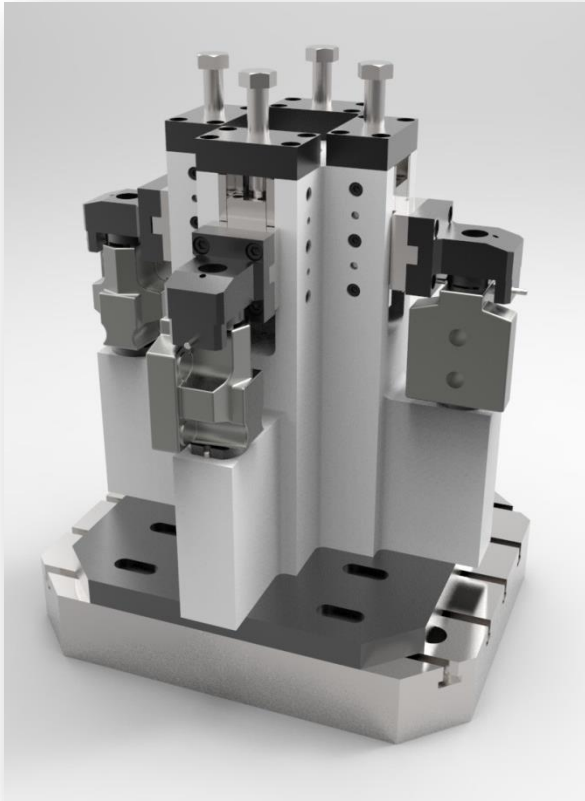
Industrial Automation

Now-a-days, industries ask for good quality product, reduce lead time and reduce cost, and so Industrial Automation reduce human endeavour where it takes time and effort. With the help of Manufacturing Automation, Assembly Automation, Conveyor System, etc. we can eliminate human effort. With our highly experienced technical team we serve Industrial Automation in Industries.

Conveyor

Transporting material like raw material, semi-finish goods, finish goods or dispatch material need lots of time and effort. Conveyor system can reduce this time and effort as article conveying automatically through conveyor system. We design and develop conveying system as per customers need.





Press Tool & Mould Design

Develop Sheet-metal and plastic components are required different types of press tools and moulds. For sheet-metal parts Paras CAD CAM CAE design Progressive Tools, Compound Tools, Combination Tools, Cut-&-Carry tools, etc. for mass production. For plastic components we design Injection Moulds, Compression Moulds, Hot-runner moulds, etc.

Jig and Fixture Design

Identically sized and shaped parts can be made using special types of production tooling called jigs and fixtures. Jigs and fixtures are often fastened to machines. A JIG is a device used to hold a part being made and to guide a cutting tool. A FIXTURE is a device used to hold a part in place while it is being machined or assembled. Paras CAD CAM CAE offers.....

- Machining Fixtures
- Assembly Fixtures
- Welding Fixtures
- Checking Fixtures

Product Design & Product Recreation

Product Design is the entire set of activities required to bring a new concept to a state of market readiness. Product Design is the set of technical activities within a product development process. A product design needs to take into account how the item will perform its intended functionality in an efficient, safe and reliable manner. The product also needs to be capable of being made economically and to be attractive to targeted consumers.



Reverse Engineering

Reverse Engineering encompasses any activity that is done to determine how a product works, to learn the ideas and technology that were used in developing that product. Reverse Engineering can be done at many levels for maintenance cost saving, quality improvement, competitive advantage, etc.

Development Services

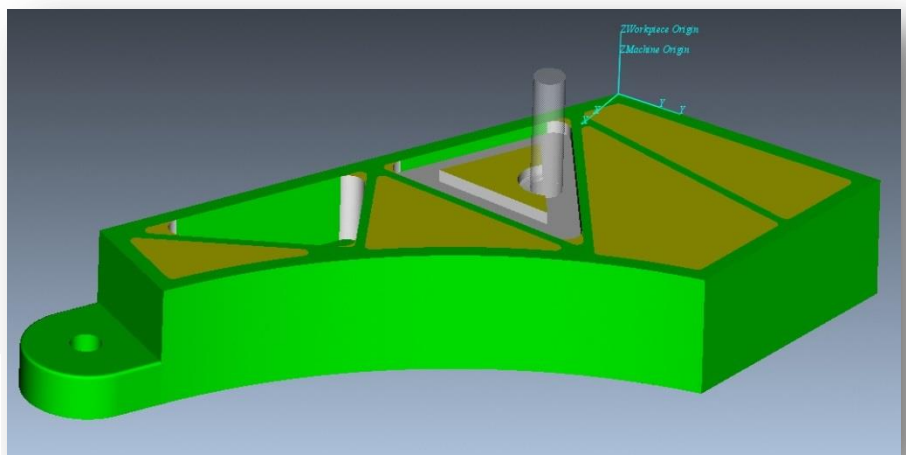
Development Services

Paras have proven history of success in Product Development from quoting-to-delivery. With the help of strong design team we bring new design concept. Based on Customer's request we develop Prototype model of concept design. We also provide facility of develop fully-finished working assembly with all mechanism.

Industrial Automation is widely used in industries for reduce development time, improve quality and reduce cost, Paras provide full facility for develop automation system which include Hydraulic System, Pneumatic System, PLC Programming, etc. We already have list of client whom we provide Jigs & Fixtures, Conveyors, Pick-n-place systems, Prototypes, Industrial Automation, etc.

Paras also provide facility for generate NC Tool Path, Post Processor, CNC machine programming with the help of Computer Aided Manufacturing (CAM) facility.

- Industrial Automation (Hydraulic & Pneumatic)
- Customized Automation
- Pick-N-Place
- Jigs & Fixtures
- Conveyors
- Prototype
- NC Tool Path Generation
- Post Process Configuration
- 3,4,5 Axis Milling Centre
- Laser Cutting Centre
- Mill-Turn Centre
- Turning Centre
- Drilling Centre

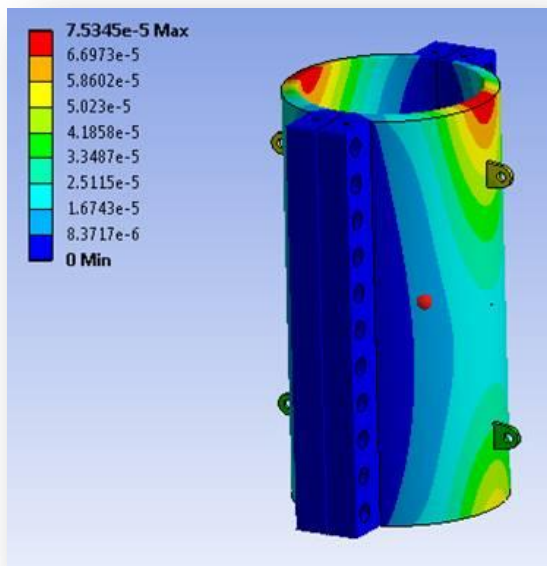


Design Simulation

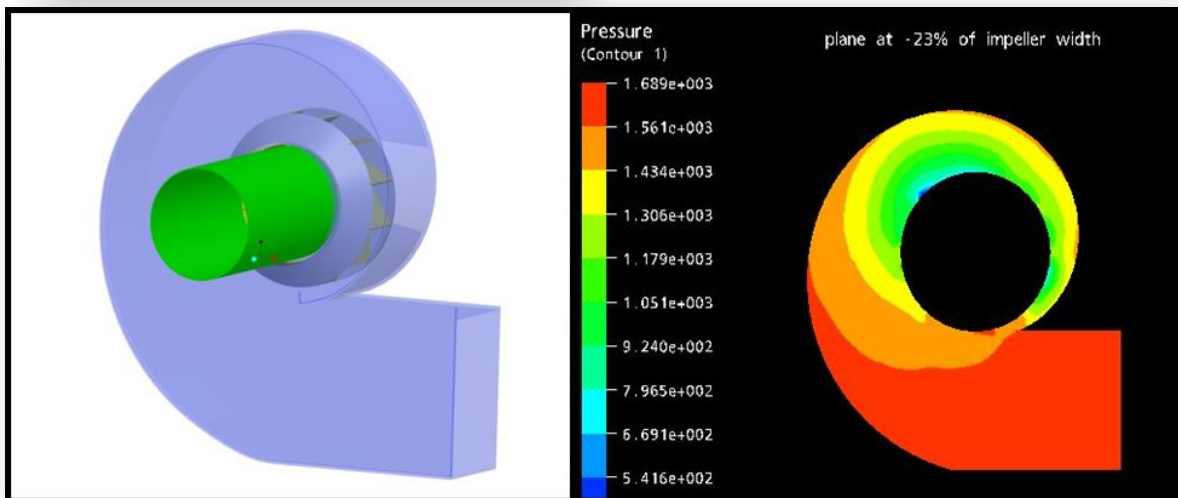
With the increasingly competitive scenario, manufacturing organisations are challenged to introduce new products in the shortest possible time. Every product is affected. Thus, there is a large requirement for developing products with increased functionalities and at a lower cost. The key goal of Engineering Analysis is to improve product performance.

In today's competitive market, industries cannot afford numbers of trial, reworks and man power. Industries are in hurry to launch their product as soon as possible as they are in competitive market. Most of the time the product means an assembly of various components and analysis to us means understanding the combined effect of these components in the assembly under external force condition.

Paras CAD CAM CAE is fully capable of providing all types of simulation services like Static Analysis, Thermal Analysis, Dynamic Analysis, Fatigue Analysis, Modal Analysis, CFD, etc. As we are providing complete solution we also provide Design Optimization facilities.



- Finite Element Meshing (FEM)
- Structure Analysis
- Thermal Analysis
- Fatigue Analysis
- CFD Analysis
- Design Optimization



Architecture Design

Architecture Design Services

We offers 3D rendering of the interior & exterior from varied angles. We help our client by serving them design and ideas through our high-tech 3D rendering. With complete exterior with proper environment setting we serve our client to present their design in realistic view. We also provide interior design facility for Flats, Bungalows, Offices, Farm Houses, etc. We serve....



- Structure Design
- Interior Designing
- Exterior Design
- Stall Design
- Architect Engineering
- 3D Architecture Still Image
- 3D Architecture Walkthrough
- 3D Animation
- AutoCAD (2D & 3D)



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