

**APPLEX**

**GROUP**

WE TRANSFORM

**TECHNOLOGY SOLUTIONS**

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**APPLEX** GROUP

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**APPLEX TECHNOLOGIES**

**APPLEX INFOTECH**

- 2D-3D Modeling
- Engineering Animation & Mechanism
- Knowledge Based Engineering (KBE)
- **Design Automation**
- Plant Layout and Design
- Engineering and Piping Stress Analysis
- Website Design & Development

- Mobile Application development
- Customize Software Development
- Process Automation Solutions

Process Gap Identification

- Solutions for sales, HR, Finance & All Modules

360)

APPLEX 360

APPLEX ANALYTICS

- Virtual Tour
- Virtual Reality
- 3D-Floor Plans
- Graphic Design
- Digital & Social Media Marketing

Data Integration

Data Analysis

- Decision Support

Dashboard Design

APPLEX GROUP

**TRUST**

**VISION**

**To achieve sustained leadership position in providing superior services to the organizations around the globe**

**for cutting their time-to-market, with substantial cost savings.**

**ACCOUNTABILITY**

**MISSION**

**To delight the customers by relentlessly driving technological advancements**

**and innovation that become essential to stay ahead of the competition at affordable Cost.**

## **CONFIDENTIALITY**

VALUES

## **INTEGRITY**

**The Core values we possess**

**ensures quality service to customers and best working experience for employees.**

Your partner for the **Design, Development and Automation** of unique solutions

## **APPLEX**

TECHNOLOGIES

**2D-3D Modeling** Engineering Animation & **Mechanism Knowledge Based** Engineering (KBE) Design Automation **Plant Layout and Design** Engineering and Piping Stress Analysis

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**What we are...?**

APPLEX GROUP

We provide different types of engineering solutions.

**We offer comprehensive range of engineering services, which consistently meet the quality specifications of the customers.**

Quality along with timely delivery of the solutions has been the hallmark of us.

We deliver wide range of solutions across industry verticals:





**Technology....**

APPLEX GROUP

Redefining Web Technology with Immense Excellence on  
**Different Verticals**

**AUTOMOTIVE**

**OIL & GAS**

**HEAVY ENGINEERING**

**WATER TREATMENT**

**AEROSPACE  
POWER & ENERGY  
INDUSTRIAL & CONSUMER**

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Expertise.

APPLEX GROUP

We are expertise on some of following software tools...

CAM  
ANSYS  
PRO-ENGINEER (CREO)

CATIA  
PRO-ENGINEER (CREO)  
HYPERMESH  
DO  
UNI-GRAPHICS  
CATIA  
NASTRAN

SOLID EDGE  
UNI-GRAPHICS  
SCILAB

INVENTOR /AUTOCAD  
SOLID WORKS  
CAESAR 2



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Our Services.....

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APPLEX GROUP

## Product Design

### RESPONSIBILITY

Design for manufacturing (DFM) concepts. **Ease of assembly** using Design for Assembly (DFA) concepts. Function and strength of the components. If your basic design is ready, use our team for detailed design.

### SERVICE

SOLU

# SUPPORT

ASsISTANCE

## ► **Concept Design**

HELP

### RELATIONSHIP

Creating the aesthetics and shape of the product **from conceived ideas & providing it with colors and features, representing the same in the form of 2D pictures & photographs.**

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# Our Services.....

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## ► 3D Modeling & 2D Drawing

### RESPONSIBILITY

It includes solid and surface, **parametric feature based assembly** modeling, detailed engineering, piping and routing, design automation, legacy data conversion.

### SERVICE

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SUPPORT

ASSTANCE

HELP

RELATIONSHIP

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TITLE

TAB: F1H





Our Services.....

APPLEX GROUP

## Knowledge Based Engineering (KBE)

It is the **process of** capturing design product knowledge & reusing it. KBE **lead to** developing **comprehensive parametric** and automated CAD application package, which will generate complete 3D design and related 2D drawings for manufacturing all design variants.

In this figure, KBE system starts with customer requirements and end with **customer satisfaction** (C2C process). In this C2C loop process have more four steps like KBE application design, design the 3D or 2D models, Graphical User Interface(GUI) development & integration of GUI and CAD data.

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Our Services.....

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## Knowledge Based Engineering (KBE)

### Advantages

Analysis Of

Customer Requirement

KBE Software

Design

**Reduces time to market and lead time**





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Our *Services*.....

## **Material Handling Design**

Material Handling is the field concerned with solving the pragmatic **problems** involving **the movement, storage** in a manufacturing plant or warehouse, control and protection of materials, goods and products throughout the processes of cleaning, preparation, manufacturing, distribution, consumption and disposal of all related materials, goods and their packaging.

**Our Scope in MH includes**



Our Services.....

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## Animation & Mechanism

Detailed 3D mechanical animation of parts, components and machines is very useful in visualizing a product or concept even before a prototype is produced. Product animations for mechanical **assemblies or subassemblies can be used to showcase** the functionality of a product.

## Fixture Design

Design of Jigs and Fixtures, using the latest concepts & technologies. We have the experience in the Welding, Inspection or checking BIW, Machining fixtures design and detailed drawing creation. Our tool design

**engineers are experienced** in working with software like Uni-Graphics, Pro-E, Catia, AutoCAD, etc and are supported by a **highly experienced team of tool manufacturing engineers** ensuring high quality tools are designed.



Our Services....

## Our Capabilities in TFD includes

Assembly Fixtures Machining Fixtures Welding Fixtures BIW Door Fixtures Inspection  
Gauges

Drill Fixtures Drill Jigs Pick off tools Masking Covers

## Engineering Analysis

It includes finite element Meshing/Modeling (FEM), finite element analysis (FEA) under Static, Dynamic, Linear, and Non-linear conditions **covering several aspects** like Stress, Thermal, Fatigue. Kinematic and dynamic analysis of machinery and simulation.

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Our Services....

**Our Scope in CAE includes**

Thermal







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## Our Services.... **Reverse Engineering**

Applex Technologies provides reverse engineering service associate with Geometry Design Service. The **process of reverse engineering involves the measurement of** components using a wide variety of measuring devices.

Applex Technologies has **access to a 7-axis portable Ferro arm laser scanner for measuring components of** high complexity. For other components, based on the level of complexity, **we have** metrological instruments approach. The measurements thus derived are used to

**create 3D models** and 2D drawings using industry standard mechanical CAD **software**. The choice of the **software is dependent on end users requirement**. Applex Technologies has very good experience on Reverse Engineering activities which is carried out in a precise manner to ensure the best possible accuracy of the product. Through this service, Applex Technologies aids its client in modifying their existing product design to suit new requirements and standards.

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Our Services.....

## Legacy Data Migration

Applex Technologies has expertise in migrating non-parametric legacy data / **drawings / images to parametric 3D models**. Legacy data (manual



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Our Services....

## Plant Design Engineering

Applex Technologies offers multi disciplinary engineering services and dedicated project management and planning support for water treatment plant, power plants, oil & gas, petrochemical, chemical, and energy projects. We offer a wide range of engineering services including basic engineering, extended basic engineering, detailed design, 3D modeling, and project management. For this **we use the software like** Auto-CAD Plant 3D helps us deliver 3D models of plants. All designs are rigorously

monitored for compliance to safety codes, data integrity, **interference, customer standards and** engineering practices.

## **Manufacturing Support**

**We strive to help our customers** through production planning, which is at the core of all manufacturing processes. The purpose of production planning is to make an efficient use of the available resources during the manufacturing process, minimize **costs and** time to market, and increase the efficiency of the workplace. The manufacturing services that we offer cover every aspect of the manufacturing or production process, from the conceptual design stage to the final manufacturing and testing stage. In brief, our techniques can help you **become a leaner and more efficient business.**

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APPLEX GROUP

Brings Clients... **A Fortune With Real Results**

**Schlumberger**

**DINDIA**

(FASE DURAN

ASS mbiTech

**DIRA**

**Automotive Systems**

**SOUND Sound Castings Pvt Ltd,**

**Kolhapur**

**FORGE-O-MATIC Engineering Private Limited** MFRS. OF: Electrically upset forged parts  
for Automobile & other Industries

(Peco Facet

a CLARCOR company

Satyajeet Mechanism,  
Kolhapur

*REFRIGERATIONS*

*VICTOR REINZ*

DANA

**SCALE VICTOR REINZ**

ENGINEERING

DANA

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Holyclothing Pvt. Ltd.

TAI Infotech Pvt. Ltd  
Uttam Toyota Private Limited  
Whia Rd  
Pioneer One Honda Showroom &...  
MADE EASY

Business Center  
Noida Sec 63

Lohia Rd

Omega Administrative Block

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Google

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**Contact us.....**

Contact us



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