



# Company Profile

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ACCURACY...SPEED...PROFESSIONAL



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## Introduction

We are an Egyptian company whose work is based on engineering, marketing and administrative experiences with over 20 years of practical experience aiming to provide industrial services in several various engineering fields.

# The Company

## Our Mission

Providing high-quality products with a competitive cost and high value and on time in order to form a long-term relationship with the client based on confidence and quality



## Our Vision

- 1- Continuity and expansion are major goals to provide industrial services to enable us to become one of the leading companies in this field.
- 2- Continuous development to keep pace with the increasing international development.
- 3- Striving to create local and international markets.
- 4- Full commitment to internationally approved quality systems standards.

## » About Us

**Tesendler** specialized in mechanical design and manufacturing in several industrial sectors, using modern techniques of reverse engineering, in addition to steel structure, Metalwork, rubber industries, Spare parts and Feeding industries along with a wide range of infrastructure projects in Power, Railway and general industry projects.

The company is structured to provide the expertise required for the efficient coordination of all phases of work starting from project development studies, Manufacturing and installing all metalwork. The company applies state of the art technology and know-how based on worldwide sources including operating companies, international engineering firms and technology licensors.

**Tesendler** works according to international Codes and Standards such as ASME, ANSI, API, ASTM, IEC, etc...

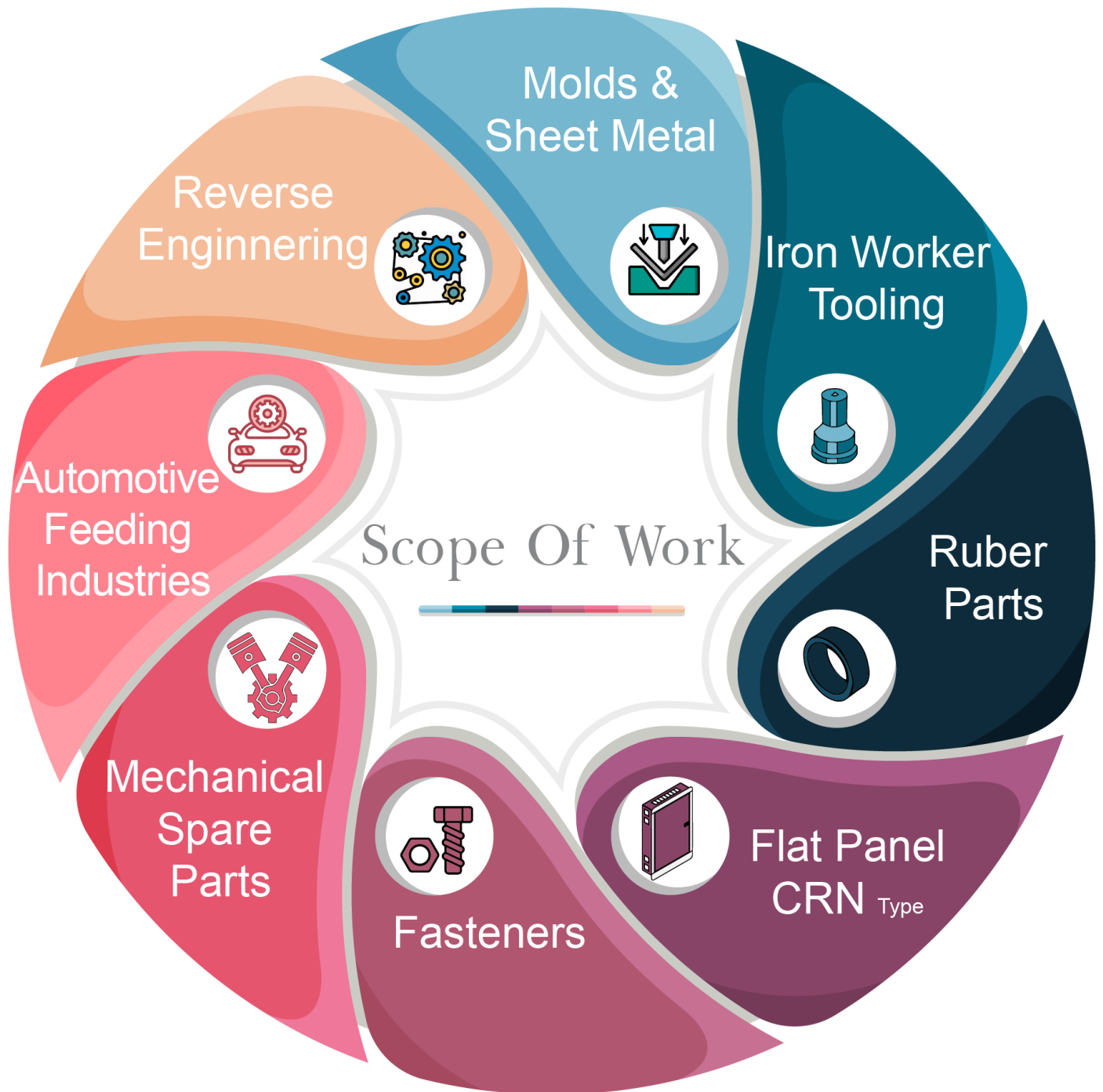
**Tesendler** works according to international QEHS Management Systems i.e. "ISO 9001" for Quality Management Systems

Constantly we looking forward to improving Tesendler performance and getting the best status in the international engineering

**Tesendler** has established successful business relationships with international business partners in Three countries Egypt, Oman, the United State of America and other major partners.



# Scope of work



# Ironworker tooling

## ◆ Punch and dies

Tesendler manufactures punches, dies, and special application tooling for all machines across our industry, which can adapt designs to meet your specific needs and requirements.

We manufacture different kinds of punches and die according to Standards such as Marvel, Geka, Peddinghaus, Sunrise, Ficep and so more....



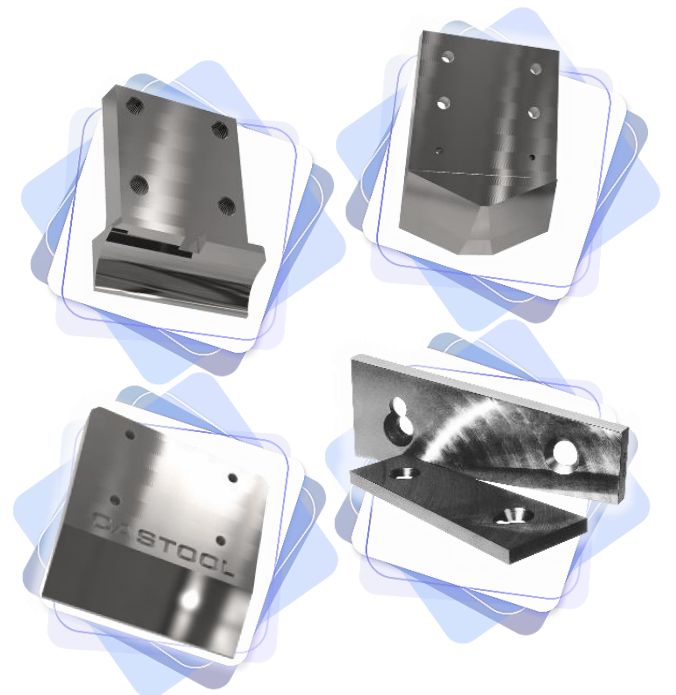
## ◆ Shear blades

We are specialized in manufacturing industrial cutting blades. All manufacturing processes are carried out in our plant including the forging and heat treatment .

we can be customized according to customer requirements.

Our products include:

- Roll shear knives
- fly shear blades scrap chopper knives
- cutting blades for rolling mill
- Paper cutting knives and other industrial knives



## ◆ Marking Tools

We provide marking tools Punching Steel Type Letter & Figure Sets interchangeable and compatible with common worldwide blank sizes & Type Holders.

Sharp Faced engraving style to produce clear positive impressions

3 set options to choose from-:

- Set of 26 characters A-Z
- Set of 10 characters 0-9
- Set of 100 alpha-numeric and punctuation characters according to the most common use plus spacer pieces for non-marking positions



## ◆ Sheet metal industry

Sheet metal fabrication” is an umbrella term that refers to all Sheet metalworking processes. Some of the most common sheet metal fabricating processes include metal bending, metal welding, stamping, punching and a wide variety of other metal forming processes .

Sheet Metal fabrication services are important to all sectors of industry, commerce and consumer markets. Examples of some of the industries that rely on these services include:

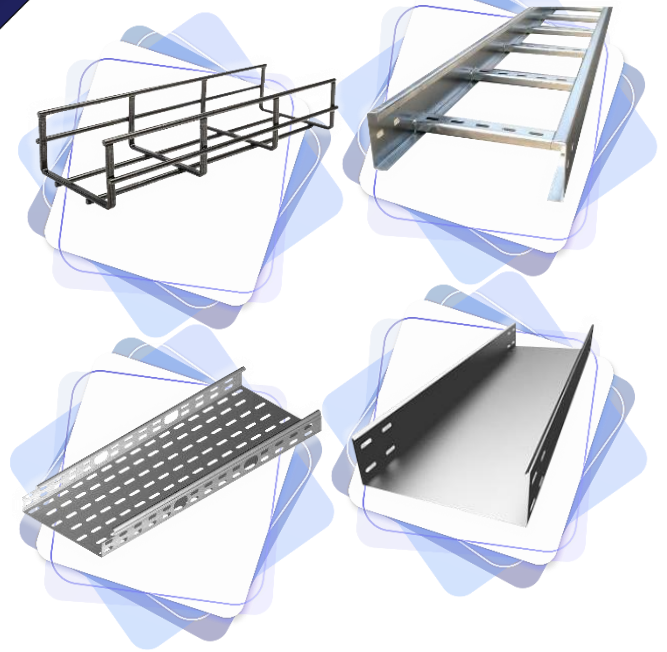
- Automotive industry
- Architecture and Construction.
- Medical
- Transportation
- Landscaping





## Cable Tray

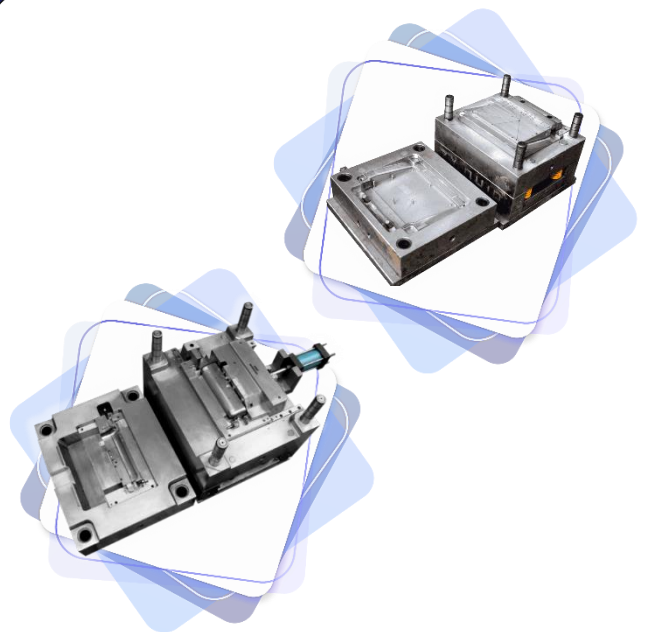
Cable Tray systems provide rigid structural support for cables in a variety of commercial and industrial applications. The basic styles of cable trays are Perforated and Solid Cable Tray, Cable Ladder and Wire Mesh Cable Tray (Basket type).



## Molds industry

**Tesendler** designs and builds molds and provides CNC & wire EDM manufacturing services for industrial purposes. From concept to design to manufacturing, Typical industrial custom parts include brackets, motor mounts, fluid systems, robotic parts, covers, panels and more. Typical mold applications include various plastic injection molds that produce blow molds, safety gear, automotive body parts, pins and hardware, gears and more

- Simple Open/Close Mold
- Molds with Moving Elements
- Multi-component Injection Molds



# Panel Distribution

**Tesendler** builds panels from the big and complex to the simplest operator station. Whatever your project, we have the experience and capacity to produce the highest quality project with the engineering expertise and customer service you deserve.

From panel design to installation, we at **Tesendler** cover every aspect of the process. We are experts at creating control panels that fit our customers' needs. We are an engineering solutions company providing custom electrical control panels and products.

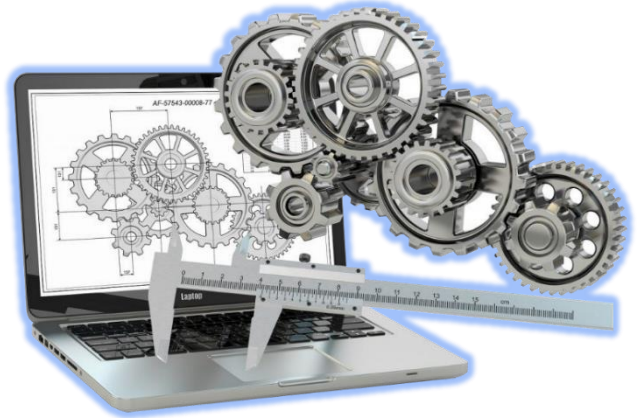
Panel Materials are from steel with a thickness up to 2.00 mm according to Egyptian electricity rules IP up to IP54



## Reverse Engineering

**Tesendler** uses modern techniques of reverse engineering to study and analyze materials, dimensions and tolerances to create completely identical samples to complete the production process to the fullest.

By collaborating with Tesendler, our reverse engineering services in manufacturing and engineering can help improve both your product and your competitive edge in the market.



## Rubber Industry

**Tesendler** manufactures rubber parts and products, which can meet strict quality and technical specifications to ensure safety and efficiency across applications according to DIN standard



# Mechanical Spare Parts

Being an engineering and manufacturing company, we can always provide a high copy of spare parts for machines and equipment, while quick delivery ensures the reliability of the plants of our Customers.

The quality of the High Copy of spare Parts and technical support of Tesendler's team in order to product continuously improve with Cost, Material & Quality .

We are offering our valued client a wide range of spare parts in different types of feeding industries that we Cover it :



## ◆ Spare parts for steel industry such as:

- Spare Parts for Rolling mill stands
- gear-boxes (single, double or multiple stage gearboxes)
- Spare Parts and Components for Cooling Beds
- Custom Equipment
- Rollers
- Pinch rolls
- Couplings



## ◆ Spare Parts for Cement industry:

- Gears
- Hydraulic items
- Rollers/ Idlers/ Pulleys
- Wear Plates
- Mill Diaphragm
- Dip Tube Assembly
- Couplings Vertical Mill Rollers Tires
- Drag Chain
- Vertical Mill rollers and Tables



## ◆ Spare Parts for food and pharmaceutical industry machinery:

**Tesendler** Supply the parts and components for food and pharmaceutical industry machinery. We understand that parts manufactured for food processing must meet a variety of regulatory standards.

We also supply food machinery spares for many other types of machines including parts for bulk gas flushing machinery, vacuum packers, vacuum fillers, bandsaws, mixers, grinders, packaging machinery and slicers to name a few.

Spare parts are available and not limited to the equipment listed below.

- Knives & Plates
- Blade guides
- Brackets
- Frames
- Covering plates for boilers
- Disks
- Ejector discs for cutter
- Sprockets & Gears
- Grill guides
- Handles
- Pinion gears
- shafts



## ◆ Custom Designed Spare Parts:

**Tesendler** design, reverse engineer and manufacture spare parts based on customers' needs. With a low Minimum cost, high quality and cost-effective for all kinds of industries machinery.

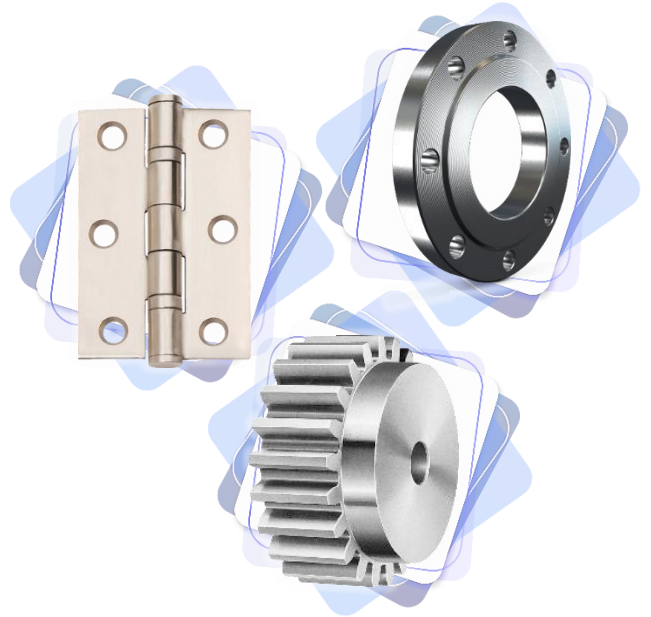


## Automotive Feeding Industries

We are a specialized manufacturer of automotive spare parts for various applications including, automobiles (both passenger and commercial vehicles), motorcycles, rolling stock, and industrial machinery. Moreover, We are committed to maximizing the "safety and security" of our customers with our products.

Our products range includes:

- Flanges
- Hinges
- GEARS
- Pulleys....And so many ...



## Fasteners

Our product range covers Special & Standard Types of fasteners.

- Anchor Bolt
- U-Bolt
- J Bolt
- Stud Bolt

We Deliver all types According to surface treated Zinc Phosphate, HDG, Auto-Black, Bright Zinc plating, Zinc Flake and Stainless steel.

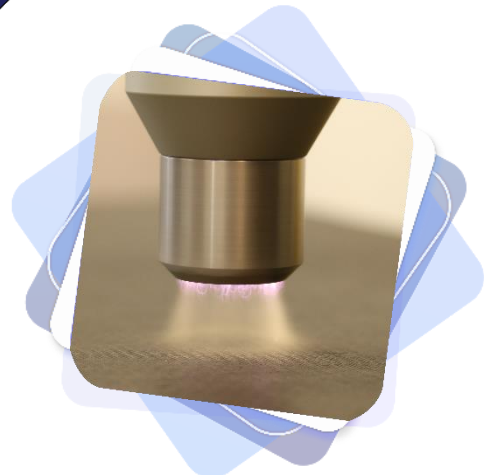


# Surface Treatment Processes

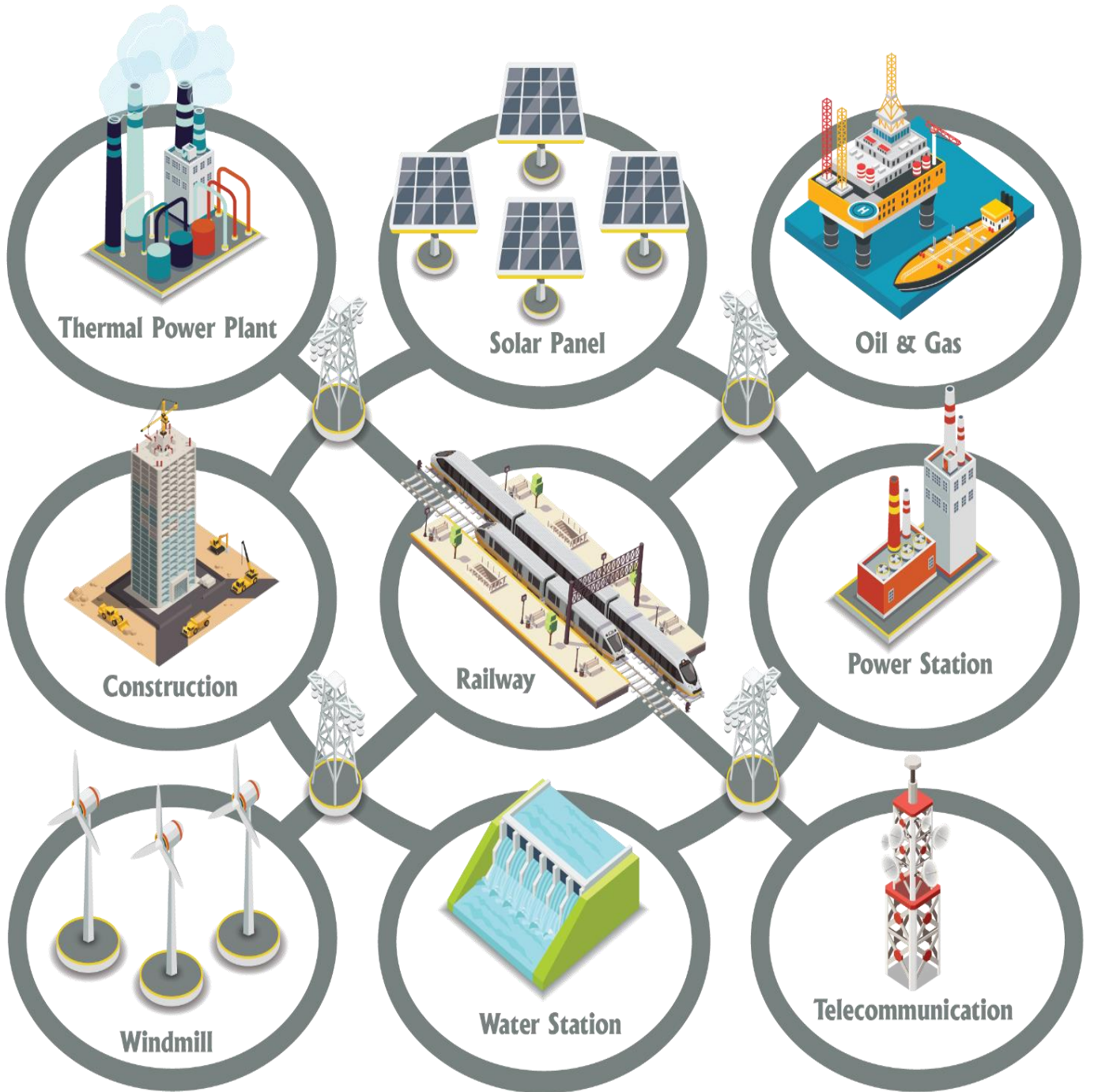
Tesendler offers a wide range of steel surface treatments. As standard, our structural steelwork and metalwork.

The range of finishes available include, but are not limited to:

- Powder Coating
- Hard chrome coating
- Electrostatic
- Primer coating
- Nickel plating for carbon steel parts
- Passivation for stainless steel parts
- Anodizing for Aluminum Parts
- Zinc Spray
- ROVAL Cold Galvanizing
- Hot dipping galvanization



# Projects





## **Projects Services:**

We provide our customers with technical and manufacturing expertise for long-term turnkey solutions, and extend our services to every stage of a project:

- Design.
- Detailed Fabrication Drawings .
- Shop drawings + Reverse Engineering .
- Calculation Sheets.
- Fabrication.
- Bending, Profiling & welding
- Abrasive Blasting .
- Treatment, Painting and Galvanizing .
- Delivering and Transporting to site.
- Handing Over
- Installation.
- Third Party Inspection

### **Oil & Gas Projects**

Using the latest technologies in steel fabrication, we are specialized in providing high-grade steel structures and galvanized steel elements for onshore plants, offshore platforms, warehouses, and any other construction application as required.

We are adept at making a variety of Steel parts and equipment that are used by oil and gas companies including:

- Storage tanks
- Mechanical Spare Parts for any type of motor & Pumps
- Gratings and grating supports
- Ladders, Doors, windows and Handrails
- Checkered plate Platforms
- Coupling and Clamps.
- FLANGES all kinds and Gaskets.
- Studs and bolts
- Orifice Plate

## **Power & Energy Projects** **(nuclear, wind power transmission, substations, distribution)**

These structures include Gantries, indoor & outdoor Support, and all metalworks.

This structure consists of a number of columns and beams, Towers and bridges. Gantries & Steel Support Structures include:

66 KV & 220 KV and 500 KV Sub-Station Gantries & Steel Support Structures which include some or all of the following components :

- Transmission Tower
- Gantry
- Main Support Tertiary System.
- Gratings & Gratings Supports.
- Checkered Plate .
- Indoor & Outdoor Supports
- Ladders, Windows and Doors
- Handrails & Guard Rails .
- Post Insulator column .
- Metal Works for GIS Building & Stiffeners.
- Anchor Bolts.
- Post-Insulator & Remote End Towers
- Mesh Wire

### **➤ Transmission Line Towers :**

Each power transmission tower, depending on its type, size and shape, includes a series of varied parts, components and accessories; with detailed engineering calculations and in accordance with the customer orders and needs, using technology and Advanced software

### **➤ Monopoles:**

Used for telecommunication purposes and normally consist of the main pole shaft with a working platform at the top to cater for the installation and maintenance of microwave and dish antenna.

## Solar power plants Projects

We cover a wide range of mounting solutions for all types of solar projects .

- Steel Structure
- Rooftop Mounting Structure
- Standard Rooftop Mounting Structure
- Pole Mounting Structure

### **Solar Accessories**

- Solar Clamps, Mid & End Clamps
- Solar L Feet



## Water stations & water desalination plants Projects

We specialize in manufacturing industrial components for water well, water supply and water treatment projects.

Our expanding product offerings include:-

- Intake Screens
- Support Grids
- Basket screen
- Pipe Supports, Hangers & Fasteners
- FLANGES
- Orifice plates
- Flow Nozzle
- Steel ducts
- RIGID AND FLEXIBLE COUPLINGS
- GRATINGS, STRUCTURES, HANDRAILS AND LADDERS
- Shell Manhole
- Ladders: Exterior/Interior Ladder
- Roof Openings:
- Gaskets and sealants
- Anchor bolts and stirrups and Studs
- Water tank towers
- Gaskets

## Railway Projects

We manufacture a qualitative range of Railway Steel Structures and Supports. Our steel structures can withstand bad climate exposure. We can produce different kinds as per the requirements of the patrons, we can also offer our collection in various Specifications Galvanized or Painted Our product range includes the following:

- Gantries for Railway purposes
- Single-post signal structures.
- Rolling Stock Metalwork
- Electrical Enclosures
- Body End Cubicles
- Under-Frames
- Signal Structures & masts all kinds
- ECO Box
- Cantilevers (Single Track & Two Track )
- Railway SPS Galvanized Steel Items
- Portals and Anchor Portals
- Single Post Signal Structures
- Overhead Gantry Signboard for Traffic & Media
- Cable Trays
- Rubber Spare Parts

## Construction Projects

**Tesendler** has been delivering requirements of a wide range of industrial projects to meet the ever-increasing demand and furnish specialized support for heavy process plants in Egypt.

- Manufacturing and erection of steel structures (different scales and sizes)
- Prefabricated Buildings and Bridges
- Pre-Fabrication Sheds
- Steel structures, built-up sections
- Platforms, stairways, supports
- Checkered plate
- Plate works and small scale steel structure.
- Pipe Racks
- Custom Made Products
- Platforms, Handrails and Ladders
- Gratings and grating supports
- Steel grating Anchor bolts
- CCTV Camera Poles & Road Sign Boards

## Telecommunication Projects

**Tesendler** offers a wide range of Telecommunication towers projects solutions

Telecommunication towers: are a combination of steel structures that are designed in order to support antennas for telecommunications and broadcasting.

# Machining Capabilities:



## Turning Machines

Universal Lathe-Turret –  
Single Spindle Automatic

01



## Milling Machines

Universal Milling- Gear  
Shaping – Gear Hobbing

02



## Pressing Machines

Hydraulic Press- Eccentric  
Press – Horizontal Forging

03



## Threading Machines

Internal Rolling – External  
Rolling

04



## CNC Machines

Horizontal & Hydraulic  
Lathe- Machine Center –  
Wire Cut – Spark Erosion

05



## Drilling Machines

Hydraulic Multi Spindle –  
Drilling- Semi-Automatic  
Drilling

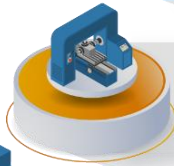
06



## Shaping Machines

Cutting Off – Shaping –  
Profile Die Rolling –  
Automatic Circular Saw

07



## Rubber Machines

Compressed Rubber -  
Injected Rubber

08



## Welding Machines

D.C. Welding – Spot Welding  
– Arc Welding – Spot  
Welding

09



## Grinding Machines

Surface – Cylindrical –  
Cutter Grinder – Centerless  
Grinder

10



## Surface Treatment

Hot Dip Galvanizing – Heat  
Treatment - Cold Galvanizing  
- Electro Static - Painting

11

## Quality Control:

Our Quality Management System is according to ISO 9001-2015. The system ensures that our product adequately complies with the standards and specifications required by the customer.

Our QA/QC activities guarantee that materials supplied by us comply with the required standard specifications. We also ensure that all employees affecting the quality of the final product are well trained and equipped with calibrated measuring/monitoring instruments to perform their assigned tasks with utmost proficiency

## Inspection:

Inspection activities start from the receipt of raw material through the manufacturing and final treatment until final shipment .

Computerized In-house Mechanical Testing Lab ensures that raw material is tested and approved before fabrication.

Trained QC Staff to conduct an inspection at every stage of production.

Our inspecting process includes the following documents:

- MIR report
- Inspection report
- Visual Inspection report
- Factory Acceptance Testing report(FAT)

## Standards & Codes:



# Packing

## Packing for Domestic and international shipping:

To ensure that everything runs smoothly when shipping our products, Tesendler offers customers various ways of optimally packaging important components. Because even heavy and sensitive goods can be safely transported with our flexible protective packaging solutions.

## Packing for products of small scale

- **PAPER PADDING:** Innovative shapes for optimal cushioning
- **AIRplus:** The optimal protective packaging for sensitive products
- **FOAM CUSHIONING:** Perfectly fitting protective packaging solution directly at the packing station
- **PACKAGING PADS:** Instant before- and after-market custom protective packaging
- Paper cartons, or Tape and Reel for SMT Pick and Place, then by Composite-board (seaworthy plywood) pallets.

## Packaging and transportation for large products and steel structures

Whether steel structure projects are domestic or export projects, steel structure packaging and transportation are the last important procedures. Appropriate packaging measures shall be adopted after passing the inspection to facilitate long-distance transportation and better coordination with the loading and unloading site

- Each piece is numbered to ensure an accurate quantity .
- The order of loading and the method of loading is also significant.
- The packing list is listed in advance and checked one by one to avoid trouble caused by missing parts.



# Guarantee After sale services



- **Tesendler** has a very developed service area. The first goal is our customer satisfaction .
- We share this philosophy with all our customers and distributors. Our customers will trust us only if we succeed in demonstrating that we are experts.
- We guarantee our products against manufacturing defects, and we are always available if there are any complaints





## Our Clients



www.tesendler.com

ACCURACY...SPEED... PROFESSIONAL

## Contact Us:

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