



# JDEVS

## Mechanical Manufacturing Center



**WWW.JDEV.S.COM**

Designing, Engineering & Manufacturing of:  
Industrial Machinery, Production Lines, Industrial Equipment & Mechanisms, Duct & Industrial Structures

APCA 02-01



**Superior Quality on Time Guaranteed**



## INTRODUCTION

Manufacturing Center started its activity as a technical, engineering and production unit in 1999. This center deals with the design, construction and establishment of mechanical equipment, machineries, industrial structures and equipment, and mechanisms of production lines. With more than 20 years of experience in the fields mentioned, we have experience in leading and implementing national and international projects. Having proper workshop space and facilities as well as expert, technical and workshop employees make this unit deliver all the tasks of the best quality at the right time. Implementation of various projects in Pelletizing and steel industries, copper, aluminum, cement, power plants, petrochemicals, refineries, offshore installations, food and other industries are part of our the capabilities.

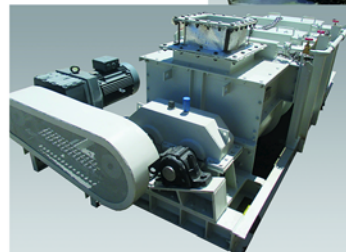
## CAPABILITIES

*The capabilities of the mechanical manufacturing center are divided into two parts:*

- 1- Design, manufacture, installation and commissioning (EPC)**
- 2- Manufacture according to technical documentation (PC)**

Some of these capabilities include:

- Special machines
- Specific mechanisms
- Production Lines
- Pelletizing Machine
- Dry and wet mixers
- Pressure vessels
- Material handling systems including all types of elevator, drag chain, screw conveyor and etc.
- Rotary Valves & Double Flap Valves
- Motorized & Manual Gate Valves
- All types of Motorized & Manual Damper
- Industrial & Complex Structures
- Gas flow ducts in different dimensions and shapes
- Fabric expansions in different dimensions and shapes
- Pipe Rack & Piping
- Industrial dust collector equipment (ESP & Bag filters)
- Spare parts



## FACILITIES AND ORGANIZATIONAL CAPABILITIES

*The center employs specialists in the following units to guide and execute its projects:*

- Design unit: Consisting of highly innovative specialists and experts and liaising with academics to provide solutions
- Technical and Engineering Unit: Technical experts for project implementation, guidance and troubleshooting during equipment manufacturing.
- Project Planning and Control Unit: Continuous planning and control of projects for optimal use of time and resources using up-to-date knowledge, models and software
- Quality Control Unit: Using experienced people to control workstations quality to ensure high quality and compliance
- Manufacturing Unit: Using experienced operational forces to execute projects
- Commercial Unit: coordinate, customer relationship and market development





*Also this center has complete workshop facilities, space and machinery, including:*

Indoor workshop space of 8,000 m<sup>2</sup>

Outdoor workshop over 20000 m<sup>2</sup>

Workshop equipped with machining tools (including milling machines, turning machines, drills, etc.)

Types of cutting equipment (including CNC, Saws, Snips, etc.)

Full equipment for manufacturing

Roll Forming Machine for producing collecting plates for ESP

Spot welding machines for the production of discharge electrodes for ESP

### **SOME OF THE OUTSTANDING PROJECTS IMPLEMENTED:**

- Manufacture of more than 80 electro-filters (20,000 tons)
- Manufacture of over 100 Bag Houses and Bag Filter in all sizes (10,000 tons)
- Manufacture and installation of marine loading and test arms (for the first time in Iran)
- Construction and establishment of steel structure for 2 oil drilling rig (500 tons)
- Manufacture of power plant equipment, metal industries and non-metal industries
- Manufacture of industrial steel structures and different types of Ducts (20000 tons)
- Manufacture of electro-filter for South Iraqi cement company
- Construction of spare parts, repairs and reconstruction of two Turkmen cement plants
- Manufacture and delivery of Cages for Bag Houses in Emirates
- Construction of steel structures of Tajikistan power plant
- Cage construction of Danish FLS projects under the supervision of the company
- Manufacture of cages under the supervision of Clean Air Italy
- Manufacture of spare parts and equipment for cement, steel, copper and etc.
- Build, test and launch more than 20 research projects in various fields under the supervision of academic and JDEVS experts.



### **CONTACT INFO**

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JDEVS founded in 1980 as an industrial complex in Iran and operates in six core business areas. JDEVS is a leading designer and manufacturer of industrial power supplies, power protection system, high voltage test equipment, air pollution control, with a reputation for high quality and reliability products gained during its four decades of experience in the demanding market of Iran & ECO countries.



## ▼ Air Pollution Control Equipment

- Electrostatic filters, bag filters and scrubbers for non-metallic mineral and metal industries, refineries and petrochemicals
- Internal parts: collecting plates, electrodes, rapping systems, ...
- Upgrading of existing dedusting systems
- Supplying spare parts for ESPs and bag houses



## ▼ Oil Industry Equipment

- Designing & manufacturing of oil & gas land drilling rigs
- Designing & manufacturing of drilling rigs electrical and control system (SCR & MCC)
- Supplying spare parts, upgrading and repairing of land drilling rigs
- Technical & consultant services in the field of oil & gas land drilling rigs
- Automation in oil, gas and petrochemical industries
- Turn-Key projects in electrical and control packages
- Oil loading arms
- Submerged rotary jet (SRJ)
- Electrostatic oil desalter



## ▼ Mechanical Manufacturing Workshop

Manufacturer:

- Mechanical and steel equipments
- Steel structures
- Steel ducts with different sections & dimensions
- Cyclones, shots, hoppers & vessels
- Material handling systems (elevator, screw conveyor, drag chain)
- Machining parts with light and semi-heavy weight
- Cage for bag filter



## ▼ Converters & Power Supplies

- Industrial UPS single/three phase(s)
- Standard UPS
- Industrial charger
- Variable frequency drive (VFD)
- Special converter & inverter
- Battery monitoring test system
- AC/DC no break system



## ▼ Industrial Transformers & Rectifiers

- High current transformer rectifiers for zinc, copper and aluminum industries
- High voltage transformer rectifiers for ESPs & vacuum coating
- Rectifier for metro traction transformer
- Continuously adjustable autotransformer
- Primary current injection power supply
- Dry type transformer
- Multiply voltage power supply



## ▼ High Voltage Test Equipment & Services

- AC, DC, impulse, resonant and hipot test equipment
- AC, DC and impulse measurement equipment
- Quality control testing services
- On-site test services (GIS stations and ...)

## ▼ R&D Groups and Dependent Companies

- Measurement, processing and control
- Industrial power supplies
- Electrical converters and power systems
- Electro-Mechanics
- JDEVS power engineers Co
- Fajr-e-Tosea consulting engineers Co