

Company Profile

November 2021

Key information

Company Key Info

Company Name:

Taksaz Industrial Innovators Eng. Co. (Private Joint



نام شرکت :

شرکت مهندسی نوآوران تکساز صنعت (سهامی خاص)

Company Share holders



Board of directors

A. Gorji

Managing Director & Chairman of the Board

M.S. Zand

Vice Chairman of the Board

B. Abbasianfard

Member of the board

Location of factory

Address: Tehran – Golestan Town – Golha Boulevard – Austria Square – Banafsheh 10 – No. 52 – Postal Code 1494867643

TEL: (+98) (21) 44925112-14

FAX: (+98) (21) 44925012

Factory: No.14, 3rd Narges St., Bu Ali Sina Blvd., Baharestan Blvd., Shamsabad Industrial City, 35th km of Tehran-Qom Freeway, Tehran, Iran

TEL: (+98) (21) 56901460-61

E-mail: info@tieco.ir

Web site: www.tieco.ir

History

- ❖ **Established** 1991
- ❖ **Manufacturing of Cement Equipments** (Crusher Dept., Raw Mill Dept. ,Cement Mill Dept.& Clinker Transportation Dept.) 1992
- ❖ **Design & Development of Centrifuge**(Decanter & Pusher) 1994
- ❖ **Design & Development of Vacuum Dryer** 1994
- ❖ **Design &Development of Transportation System** 1995
- ❖ **Manufacturing of Power Plants Equipments** (Air Intake, Casing, Boiler, Stack, Flare) 2000

History

- ❖ **ISO 9001 Certificate** **2001**
- ❖ **Design & Development of Moist Depithing & Wet Storage Plant (For Baggase)** **2001**
- ❖ **Oil, Gas & Petrochemical Industries:** **2001**
 - **Petrochemical Pilot Plants**
 - **Drilling Equipments**
 - **Up stream Process Packages**
 - **Stationery & Rotary Equipment**
 - **Consultancy in Oil Up Stream Industries**

Major Activities

- ❖ Oil, Gas & Petrochemical Industries
- ❖ Cellulosic & Agricultural Industries
- ❖ Steel, Cement and Mine Industries
- ❖ NAAC Concrete Industries
- ❖ Special Machines
- ❖ Automobile Industries
- ❖ Slaughterhouse Industries

Field of Activity

Taksaz Industrial Innovators Eng. Co.

Major Activities in Oil, Gas & Petrochemical Industries

❖ Drilling Equipment. (Design & Manufacturing)

- Top Drive
- Solid Control System

❖ Up stream Process Packages. (Design & Manufacturing)

- Dehydration Unit
- Well Head Control Panel
- Chemical Injection Package
- Desalting Unit
- Oily/Waste Water Treatment
- Pig Receiver & Launcher
- Separator

Major Activities in Oil, Gas & Petrochemical Industries

❖ Petrochemical Pilot Plants(Design & Manufacturing)

- Sulfuric Acid Plant
- Aromatic Oxidation Plant
- Poly Isoprene

❖ MC in Oil & Gas Upstream Industries.

- Drilling Rigs (Jack-up, Land & Workover Rigs)
- Casing & Tubing
- Drill Pipe

Major Activities in Cellulosic Industries & Agricultural Industries

- ❖ **MDF production line plant**
- ❖ **Turn key Project for moist depithing plants:**
 - Receiving of raw bagasse
 - Separation of pith from bagasse
 - Transportation system of pith and bagasse
- ❖ **Turn key Project for wet storage plant:**
 - Separation of pith, sand and... from bagasse
 - Water sprinkling system for storage fibers

Major Activities in Steel, Cement and Mine Industries

❖ Turn key Project for cement plants:

(Up to 5000 t/d capacity)

❖ Cement plant departments:

- Crusher dept.
- Pre-blending dept.
- Material conveying systems
- Raw material mill dept
- Cement mill dept
- Packing & loading dept

❖ Pelletizing Disk Machines

Major Activities in Special Machines

❖ Reactor

- For drying of active parts of transformer
- Vacuum rate : 0.1 mbar

❖ Centrifuges (Capacity : up to 4000 m³/h)

- Separation of solid form liquid
- Separation of liquid form liquid

❖ Dryers (Capacity : up to 600 kg/h)

❖ Vacuum Furnace (Capacity : up to 350 ton)

The background of the slide is a faded industrial scene. It shows various structures including tall distillation columns, storage tanks, and a complex network of pipes and scaffolding. On the right side, there is a prominent piece of industrial machinery with a red frame and a yellow top section. The overall image is semi-transparent to allow the text to be clearly visible.

Major Experiences

Taksaz Industrial Innovators Eng. Co.

Oil, Gas & Petrochemical Industries

Taksaz Industrial Innovators Eng. Co.

Top Drive



Top Drive NTS-500



***TIECO is the first and
unique manufacturer in
the Middle East***

Top Drive NTS-500



History of Top Drive NTS-500

TIECO after a successful activities decade for producing products and advanced machines in the various industries, commenced its activities in the drilling industry by concluding a contract for manufacturing, installation and commissioning 15 Top Drives (with cooperation Norwegian MH Co.) for Kala Naft Co. in 2003. This company by utilization of the gained experiences at executing this project and utilization of the a/m Top Drives in Iran's climatic conditions also and the gained results at reconstruction & overhaul of Top Drives and finding out the technical problems of the previous Top Drives, could design and manufacture a Top Drive with new specifications. TIECO could achieve the domestic manufacturing of Top Drive and has delivered two native Top Drives to the National Drilling Company since 2012 and is currently in the process of building three Top Drives. So this company could prevent the importing of this essential set to Iran. In addition TIECO presents sufficient services at supply equipments, overhaul, installation and commissioning fields of the following sets:

- ❖ Kinds of Top Drives (MH, Varco, Hydraulift and ...)
- ❖ Swivel

Specification of Top Drive NTS-500

NTS 500 Top Drive Specifications:

NTS 500 Top Drive has manufactured according to the modern technology in the drilling industry. It can drill the gas and oil wells until depth of 7000 m and it is usable for maritime and land drillings.

NTS 500 Top Drive's principle specifications are as follow:

- ❖ It including Two Hydraulic Power Unit (HPU) which one of them is always stands up and it enters in the circuit and minimizes the drilling operation stopping possibility, providing that occurrence any problem in the hydraulic power unit.
- ❖ Installation the a/m set on the kind of rigs which are existing in Iran at the minimum of time and the least amendments on the rig.
- ❖ The rapid and easy piping and decreasing the drilling time.

Specification of Top Drive NTS-500

- ❖ Easy handling because it is light and compact set.
- ❖ Including the integrated swivel system and wash pipe according to Standard P500.
- ❖ Repair at site with the minimum handling at the least time.
- ❖ Simple and easy maintenance.
- ❖ Safe and secure operation.
- ❖ Guarantee 100%

After sales services:

- ❖ Supply spare parts
- ❖ Perfect supporting
- ❖ Repair and maintenance
- ❖ Training and consultation
- ❖ Attendance of TIECO's experts near the set during Guarantee time.

Overhaul, Installation and Commissioning of Top Drive

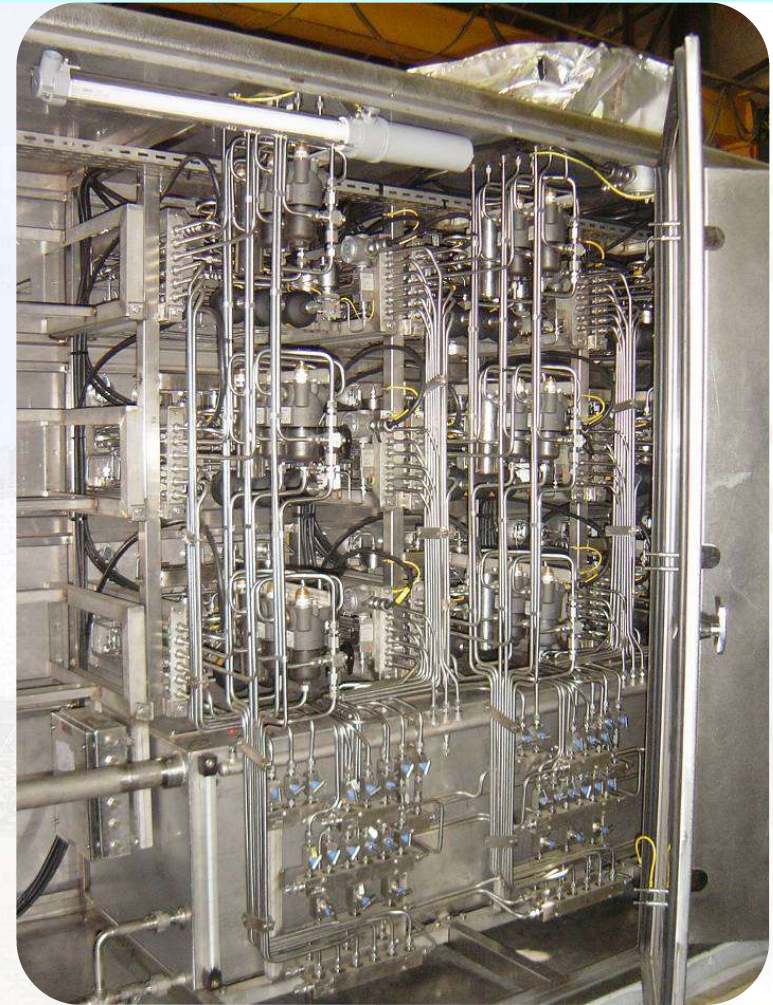


TIECO owns a high qualified team of Top drive servicemen, who are properly trained, certified and well experienced. We are submitting the following Top drive services:

- ✓ ***Installation and Commissioning***
- ✓ ***Top drive maintenance***
- ✓ ***Site trouble-shooting***
- ✓ ***Workshop repair***
- ✓ ***Top drive overhaul***
- ✓ ***Technical Training***

Wellhead Control Panel & HPU

- ❖ The first equipment installed near the X-Mass Tree designed for monitoring, control and supply of the actuator valves
- ❖ Suitable for Oil and gas well
- ❖ On-Shore and Off-Shore installation



Wellhead Control Panel & HPU

Experiences

- ❖ **SPGD Phases 4 & 5**
Client : SADRA Co.
- ❖ **SPGD Phases 6,7 & 8**
Client : SADRA Co.
- ❖ **SPGD Phases 9 & 10**
Client : IOEC Co.



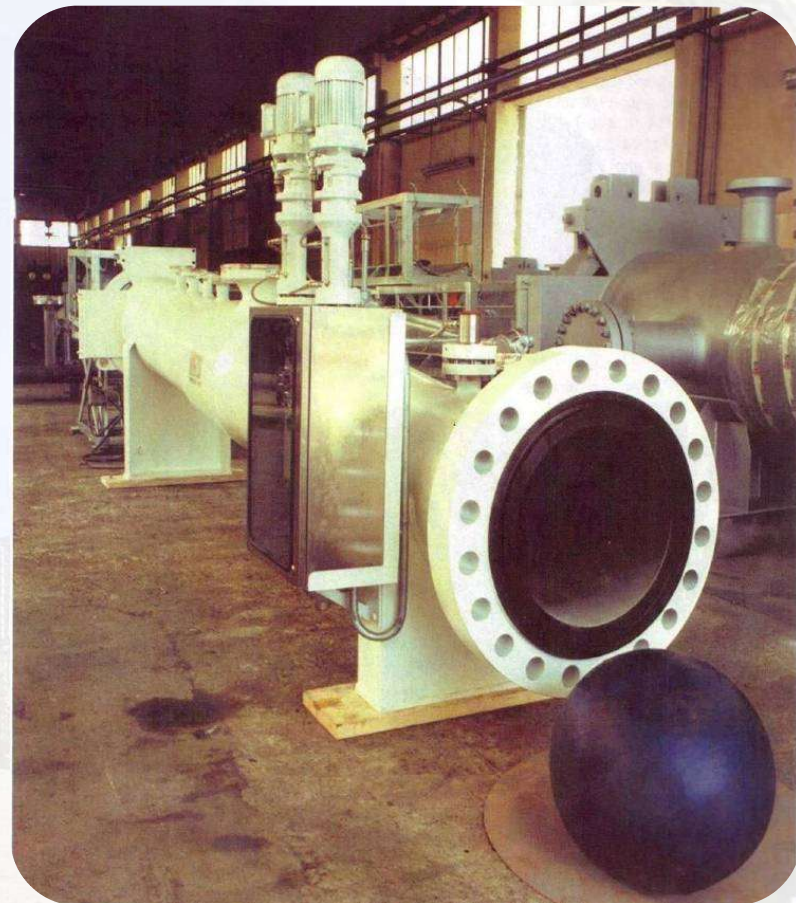
Pig Launcher & Receiver



Pig Launcher & Receiver

To provide facilities for automatic / remote pigging (sphere) of pipe line.

- Regular pigging with remote automatic launching of spheres or plastic pigs.
- Inspection pigging by means of instrumented pig (ultrasonic or magnetic).



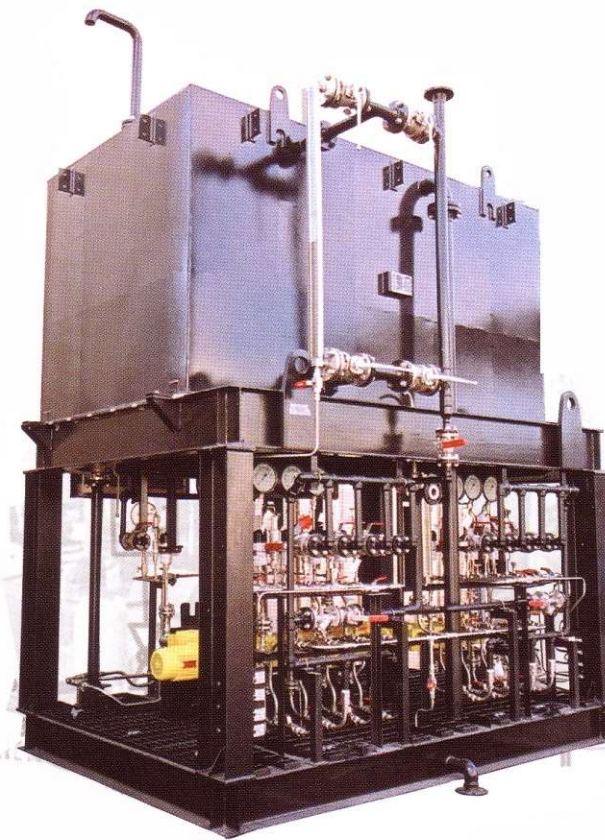
Pig Launcher & Receiver



❖ **SPGD Phases 9 & 10**
Client : IOEC Co.

Chemical Injection System

To provide the storage and injection facilities for chemical products that are required by the process and utility units of platform.



LP Vessel for Flare System

The high pressure system collects emergency relief streams from Pressure Safety Valves (PSV's) and general blowdown from (BDV's) from high pressure vessels.

The HP Flare System includes:

- HP Flare K.O. Drum
- HP Blowdown header
- HP Flare Stack.

A dedicated LP Flare KO Drum is not foreseen on the platform, but the Closed Drain Drum will be used for this purpose.



LP Vessel for Closed Drain System

❖ **SPGD Phases 4 & 5**
Client : SADRA Co.



Closed drain drum

LP Vessel for Compress Air System

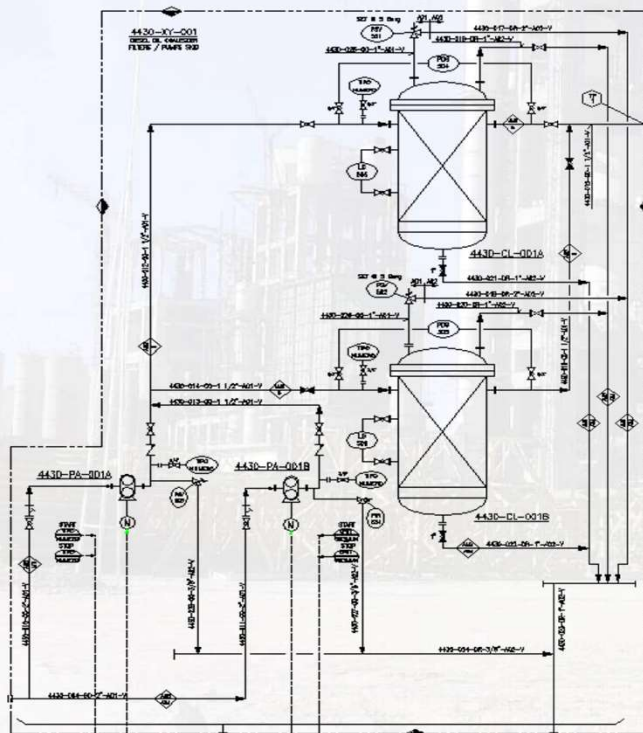


❖ SPGD Phases 4 & 5
Client : SADRA Co.

Compress Air System Tank

Diesel Oil Package

- ❖ SPGD Phases 4 & 5
- Client : SADRA Co.



So2 Plant

❖ SO2 Plant (Bafgh)



Sulfuric Acid Plant



Client : VALASR Co.

Status : finished

Aromatics and isopren

- ❖ Detail Design for Aromatic Oxidation Plant
 - ❖ Manufacturing & Erection of Aromatic Oxidation Plant & Isopolyperen
- Client : Pooyesh Co.



Taksaz Industrial Innovators Eng. Co.

MC in Oil & Gas Upstream Industries

- ❖ Land Rigs & Work over Rigs
- ❖ Jack up Rigs
- ❖ Drill Pipe



Foreign Cooperatives in Oil & Gas Industries

Company Name

Global Process System (GPS)	→	Process Packages
Benelli Ravenna (Italy)	→	Wellhead Control Panel & Process Packages
Oil Tools (International)	→	Solid Control System
Maritime Hydraulic As (Norway)	→	Top Drive
FAI CARVICO S.P.A. (Italy)	→	Pig Launcher & Receiver Trap
Loterios S. A. (Italy)	→	Titanium Equipment
Bayards Mereline (Norway)	→	Hellideck

Cellulosic & Agricultural Industries

Taksaz Industrial Innovators Eng. Co.

Major Activities in Cellulosic & Agricultural Industries

1. Design ,procurement ,installation and commissioning of MDF production line factory.
2. Engineering ,procurement ,installation and commissioning of wet storage unit for IMAM KHOMEINI factory.
3. Engineering , procurement ,installation and commissioning of moist depithing unit for IMAM KHOMEINI factory.
4. Engineering ,procurement ,installation and commissioning of moist depithing unit for AMIR KABIR factory
5. Engineering , procurement , installation and commissioning of moist depithing unit for DEBEL factory.

Major Activities in Cellulosic & Agricultural Industries

❖ MDF Factory

Client : Sugar Cane Development & By Products Commercial Co.



Major Activities in Cellulosic & Agricultural Industries



After Press Area



FCC Saw

Major Activities in Cellulosic & Agricultural Industries

Moist Depithing Plants



Major Activities in Cellulosic & Agricultural Industries

1. Engineering ,procurement ,installation and commissioning of IMAM KHOMEINI Raw Sugar factory.
2. Engineering ,procurement ,installation and commissioning of AMIR KABIR Raw & Refined Sugar factories.
3. Engineering ,procurement ,installation and commissioning of DEBEL Raw & Refined Sugar factories
4. Engineering ,procurement ,installation and commissioning of MIRZA Raw Sugar factory.
5. Engineering ,procurement ,installation and commissioning of SALMAN Raw Sugar factory.
6. Engineering ,procurement ,installation and commissioning of FARABI Raw & Refined Sugar factories
7. Engineering ,procurement ,installation and commissioning of DEHKHODA Raw & Refined Sugar factories .
8. Engineering ,procurement ,installation and commissioning of FARABI Sugar & bags conveying system .
9. Design ,Engineering ,procurement ,installation and commissioning of DEHKHODA Sugar & bags conveying system .

Major Activities in Cellulosic & Agricultural Industries

❖ Sugar plant Production unit Equipment

Client : Sugar Cane Development & By Products Commercial Co.



Major Activities in Cellulosic & Agricultural Industries



Steel, Cement and Mine Industries

Taksaz Industrial Innovators Eng. Co.

Major Activities in Steel, Cement and Mine Industries

1. Designing ,Engineering ,procurement ,fabrication ,installation and commissioning of material handling for FARSE NOW CEMENT CO.(1381)
2. Designing ,Engineering ,procurement ,fabrication ,installation and commissioning of material handling for ILAM CEMENT CO. (extension plan in1384)
3. Engineering ,procurement ,fabrication ,installation and commissioning of raw mills department for KHAZAR CEMENT CO.
4. Engineering ,procurement ,fabrication ,installation and commissioning of raw mills department & other equipments for ABIEK CEMENT CO.
5. Engineering ,procurement ,fabrication of belt conveyors ,air slides , dust collection system & cooling tower fans for LARESTAN CEMENT CO.
6. Designing ,Engineering ,procurement ,fabrication ,installation and commissioning of cement mixing hall for NEIRIZ WHITE CEMENT CO.
7. Engineering ,procurement and fabrication of raw mill and clinker mill departments for TEHRAN CEMENT CO. (1393)

Major Activities in Steel, Cement and Mine Industries

8. Engineering ,procurement & fabrication of hammer crusher for BOSHEHR CEMENT CO. (1375)
9. Engineering ,procurement & fabrication of hammer crusher for FARSE NOW CEMENT CO. (1381)
10. Engineering ,procurement & fabrication of hammer crusher for TEHRAN CEMENT CO. (1382)
11. Engineering ,procurement & fabrication of hammer crusher for HEGMATANEH CEMENT CO. (1382)
12. Engineering ,procurement & fabrication of hammer crusher for FIROOZKOOH CEMENT CO. (1383)
13. Engineering ,procurement & fabrication of hammer crusher for SAVEH CEMENT CO. (1383)
14. Engineering ,procurement & fabrication of hammer crusher for LAMARD CEMENT CO. (1384)
15. Engineering ,procurement & fabrication of hammer crusher for KHOZESTAN CEMENT CO. (1384)
16. Engineering ,procurement & fabrication of hammer crusher for DELIJAN CEMENT CO. (1384)
17. Engineering ,procurement ,fabrication & installation of hammer crusher for HORMOZGAN CEMENT CO. (1385)
18. Engineering ,procurement & fabrication of hammer crusher for SARDAR CEMENT CO. (1386)
19. Engineering ,procurement & fabrication of hammer crusher and material handling for SERVO ASOOL VENEZOELA CO. (1387)

Major Activities in Steel, Cement and Mine Industries



Major Activities in Steel, Cement and Mine Industries

❖ Larestan Cement



Major Activities in Steel, Cement and Mine Industries

❖ Neyriz Cement



Major Activities in Steel, Cement and Mine Industries

1. Design ,Engineering ,procurement ,installation and commissioning of SO₂ production unit for BAFGH ZINC SMELTING CO.(1380)
2. Engineering ,procurement ,installation and commissioning of Sulfuric acid equipments for SARCHESHMEH COPPER CO.(1380)
3. Engineering ,procurement ,installation and commissioning of GOLE GOHAR pelletizing discs .(1385)
4. Engineering ,procurement ,installation and commissioning of KHORASAN steel pelletizing discs .(1393)
5. Engineering ,procurement ,installation and commissioning of CHAHARMAHAL steel dust collection sys.(1388)
6. Engineering ,procurement ,installation and commissioning of CHAHARMAHAL steel top gas & cooling gas scrubbers.(1388)
7. Design ,Engineering ,procurement ,installation and commissioning of GOLE GOHAR conveying system. (1389)

Major Activities in Steel, Cement and Mine Industries

❖ Pelletizing Disk

Client : Concrete
Industries & Copper
Investment



Major Activities in Steel, Cement and Mine Industries

❖ Pelletizing Disk

Client : Khorasan Steel Co.



NAAC Concrete Industries

Taksaz Industrial Innovators Eng. Co.

Major Activities in NAAC Concrete Industries



Major Activities in NAAC Concrete Industries

❖ **Design, Manufacturing, Performance of NAAC Concrete's production line for the first time in Iran**

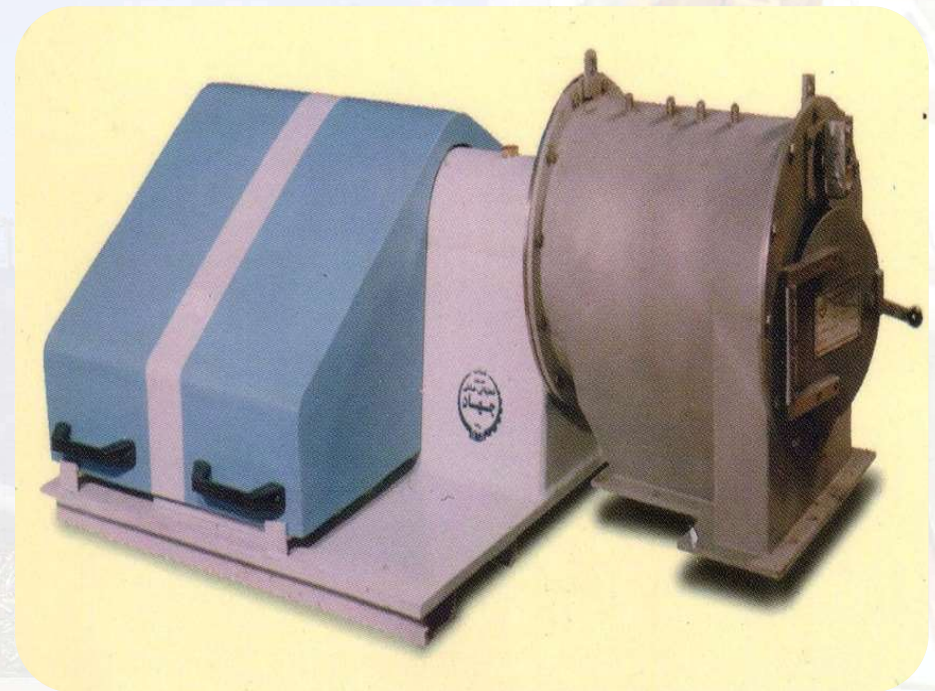


Special Machines

Taksaz Industrial Innovators Eng. Co.

Major Activities in Special Machines

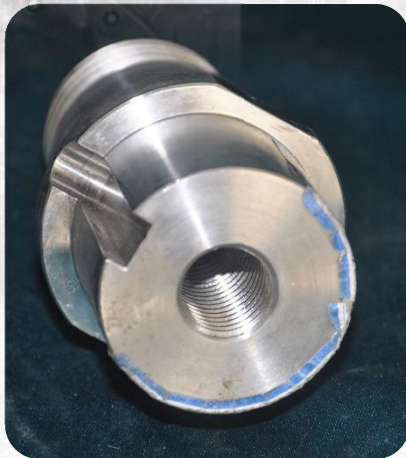
- ❖ Heat Treating Furnace
- ❖ Transformer Vacuum Dryer
- ❖ Dryer
- ❖ Roller
- ❖ Hydraulic Shock Absorber
- ❖ Test Stand
- ❖ Shock Absorber Test Graph



spare parts



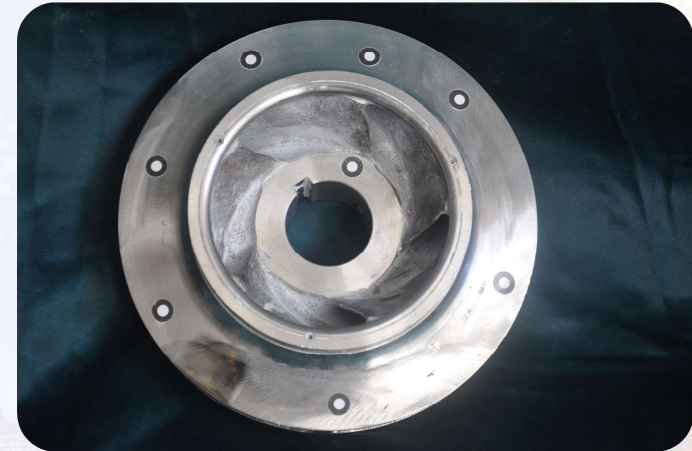
Manufacture of mechanical spare parts



spare parts

Pump spare parts:

- ❖ impeller hub cap
- ❖ Impeller
- ❖ Hollow shaft
- ❖ Headless screw
- ❖ Bearing spider
- ❖ Casing wearing
- ❖ Spacer sleeve
- ❖ Centering ring
- ❖ Bearing bush
- ❖ Impeller
- ❖ Heating jacket
- ❖ Deflector (Thrower)
- ❖ impeller hub cap



spare parts

Pump spare parts:

- ❖ Centering sleeve
- ❖ Fan hood
- ❖ Socket head cap
- ❖ Impeller wearing
- ❖ Casing wearing
- ❖ Pump shaft
- ❖ Shaft sleeve
- ❖ Socket head cap
- ❖ Socket head cap
- ❖ Impeller wear ring
- ❖ Casing wear ring
- ❖ Inter mediate shaft
- ❖ Fan impeller
- ❖ Return stop



Automobile Industries

Taksaz Industrial Innovators Eng. Co.

Major Activities in Automobile Industries



Major Activities in Automobile Industries

❖ Design & Manufacturing of Material Handling Systems Equipments



Slaughterhouse Industries

Taksaz Industrial Innovators Eng. Co.

Taksaz Industrial Innovators Eng. Co.

Major Activities in Slaughterhouse Industries



Major Activities in Slaughterhouse Industries

❖ Design, Manufacturing, Installation and Commissioning of 22 Industrial Slaughterhouses



List Of Available Standards

Taksaz Industrial Innovators Eng. Co.

Available Standards

ITEM	STANDARD
01	API
02	ASME
03	ANSI
04	ASTM
05	AGMA
06	ABMA
07	AA
08	AWS
09	BSI
10	DIN
11	ISA
12	ISO
13	JIS
14	MSS
15	NACE
16	NFPA
17	PFI

Available Standards

ITEM	STANDARD	DESCRIPTION
*18	ISO 9001/2015	INTER NATIONAL MANAGEMENT SYSTEM(I.M.S)
*19	ISO 14001/2015	ENVIRONMENTAL MANAGEMENT SYSTEM(E.M.S)
*20	ISO 45001/2018	OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM(OHSAS)
*21	ISO 29001/2020	PETROCHEMICAL AND NATURAL GAS INDUSTRIES- SECTOR-SPECIFIC QUALITY MANAGEMENT SYSTEMS- REQUIREMENTS FOR PRODUCT AND SERVICE SUPPLY ORGANIZATIONS(ISO/TS 29001)

Quality Management System



Quality Management System



ARZYABAN KEIFIAT
KHAVARMIANEH

CERTIFICATE OF REGISTRATION

TAKSAZ INDUSTRIAL INNOVATORS ENGINEERING CO.
TEHRAN-IRAN
No.14, 3rd Narges St, Bu Ali Sina Blvd, Baharestan Blvd, Shamsabad
Industrial City, 35th Km of Tehran-Qom Freeway

Arzyaban Keifat Khavarmianeh, issues this certificate to the firm named above, having assessed & approved the firm's quality management system finding the system Conforms to the standards of:

ISO9001:2015

The quality management system is applicable to the following:

DESIGN AND PERFORMANCE OF EPC PROJECTS IN OIL, GAS, PETROCHEMICAL, CELLULOSIC, AGRICULTURAL, CEMENT, STEEL, NAAC CONCRETE, AUTOMOBILE AND SLAUGHTERHOUSE INDUSTRIES

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AKK. In the issuance of this certificate, AKK assumes no liability to any party other than the firm named above & then only in accordance with the agreed upon Quality system assessment agreement.

Certification Number:	QAM-0466-Q
Original Approval:	Jan23,2021
Date of Issue:	Jan23,2021
Date of Expiration:	Jan22,2024

For and on Behalf of AKK



WWW.AKK-CERT.IR







CERTIFICATE OF REGISTRATION

Universal GmbH

This certificate is granted to the organization,

TAKSAZ INDUSTRIAL INNOVATORS ENGINEERING CO.

No. 14, 3rd Narges St., Booolisina Blvd., Baharestan Blvd.,
Shamsabad Industrial City, Km. 35 Tehran-Qom Highway, Tehran, Iran.

by review of IA2-13-6264 numbered report for the scope

Design and Performance of EPC Projects in Oil, Gas, Petrochemical, Cellulosic, Agricultural, Cement, Steel, NAAC Concrete, Automobile and Slaughterhouse Industries

to certify that a management system in accordance with standard's clauses is established and being implemented

ISO 29001:2020

Certificate No : PCNG 0121 003857

Original Certification Date : 20.01.2021

Issue / Revised Date : 20.01.2021

Expiry Date : 19.01.2022

Certification Period : 3 years (1st year)



Universal GmbH

The authority of this certificate can be confirmed online or by e-mail to the Head Office via:
UNIVERSAL GmbH • Walther Deckmann Str. 20b • 44536 Lünen Germany • T : +49 (0) 231 9931 8960 • info@uni-cert.de • www.uni-cert.de

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT

Quality Management System



ARZYABAN KEIFIAT
KHAVARMIANEH

CERTIFICATE OF REGISTRATION

TAKSAZ INDUSTRIAL INNOVATORS ENGINEERING CO.
TEHRAN-IRAN
No.14, 3rd Narges St, Bu Ali Sina Blvd, Baharestan Blvd, Shamsabad
Industrial City, 35th Km of Tehran-Qom Freeway

Arzyaban Keifat Khavarmianeh, issues this certificate to the firm named above having assessed & approved the firm's environmental management system and finding the system conforms to the standards of:

ISO14001:2015

The environmental management system is applicable to the following:

DESIGN AND PERFORMANCE OF EPC PROJECTS IN OIL, GAS, PETROCHEMICAL, CELLULOSIC, AGRICULTURAL, CEMENT, STEEL, NAAC CONCRETE, AUTOMOBILE AND SLAUGHTERHOUSE INDUSTRIES

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AKK. In the issuance of this certificate, AKK assumes no liability to any party other than the firm named above & then only in accordance with the agreed upon management system assessment agreement.

Certification Number: QAM-0106-EM
Original Approval: Jan23,2021
Date of Issue: Jan23,2021
Date of Expiration: Jan22,2024

For and on Behalf of AKK



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ARZYABAN KEIFIAT
KHAVARMIANEH

CERTIFICATE OF REGISTRATION

TAKSAZ INDUSTRIAL INNOVATORS ENGINEERING CO.
TEHRAN-IRAN
No.14, 3rd Narges St, Bu Ali Sina Blvd, Baharestan Blvd, Shamsabad
Industrial City, 35th Km of Tehran-Qom Freeway

Arzyaban Keifat Khavarmianeh, issues this certificate to the firm named above having assessed & approved the firm's occupational health & safety management system and finding the system conforms to the standards of:

ISO45001:2018

The occupational health & safety management system is applicable to the following:

DESIGN AND PERFORMANCE OF EPC PROJECTS IN OIL, GAS, PETROCHEMICAL, CELLULOSIC, AGRICULTURAL, CEMENT, STEEL, NAAC CONCRETE, AUTOMOBILE AND SLAUGHTERHOUSE INDUSTRIES

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AKK. In the issuance of this certificate, AKK assumes no liability to any party other than the firm named above & then only in accordance with the agreed upon management system assessment agreement.

Certification Number: QAM-0088-OH
Original Approval: Jan23,2021
Date of Issue: Jan23,2021
Date of Expiration: Jan22,2024

For and on Behalf of AKK



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A faded background image of an industrial facility with tall distillation columns, piping, and a large storage tank, overlaid with a semi-transparent white rectangle.

Thanks of your attention