



**A LEADING COMPANY IN TITANIUM  
AND SPECIAL NON-FERROUS METAL INDUSTRY**



**[www.atx.kr](http://www.atx.kr)**

A LEADING COMPANY IN THE  
TITANIUM INDUSTRY WITH 30 YEARS  
OF PROCESSING TECHNOLOGY,  
**WILL WORK WITH YOU TO CREATE  
THE BEST TECHNOLOGY.**

**A leading company in Titanium and other high alloy industries**

We are securing our technological capabilities based on Titanium and Special non-ferrous metal processing and application technology.

Based on this, we are doing our best to become a leading company in knowledge-based manufacturing industry.

**A company that makes its way into the world**

We have been recognized by customers based on accumulated technology, stable quality, cost competitiveness with 30 years of experience.

So, we will go beyond the domestic market to the global market.

**A solid company that contributes to society**

We will grow into a company with the best competitiveness, recognized by customers and contributing to society.

CEO/President **Chai Hee Suk**



## **RESEARCH & DEVELOPMENT**

---

We have been recognized for many years of know-how and technology. So, we have developed various prototypes needed by research institutes and universities. Based on this, we will be your partner to develop various products such as defense business field, aerospace field, marine field using next generation new materials.





**APPLICATION FIELD**



PARTNER IN KNOWLEDGE MANUFACTURING INDUSTRY

# **ATX CO., LTD. EQUIPPED WITH TITANIUM AND SPECIAL NON-FERROUS METAL PROCESSING AND APPLICATION TECHNOLOGY**

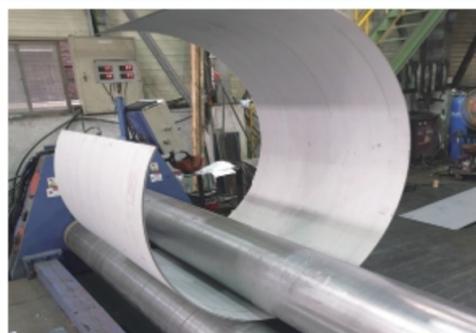
Knowledge-based manufacturing partner with Titanium and  
Special Non-ferrous metal processing and application technology.

## **MATERIALS & PRODUCTS**

**ONE-STOP SERVICE,  
FROM RAW MATERIALS TO EQUIPMENT**

**TITANIUM  
ZIRCONIUM  
TANTALUM  
HASTELLOY  
INCONEL  
MONEL  
NICKEL  
STAINLESS  
SPECIAL CARBON STEEL  
DUPLEX**

**MATERIALS : TUBE & PIPE  
PLATE & R/BAR  
WELDING ROD  
TI FOIL, A SINGLE UNIT :  
FLANGE & FITTING  
TUBE SHEET  
A COMPLETE : REACTOR  
HEAT EXCHANGER  
STORAGE TANK  
FILTER HOUSING**



## BUSINESS FIELD

### Raw Materials

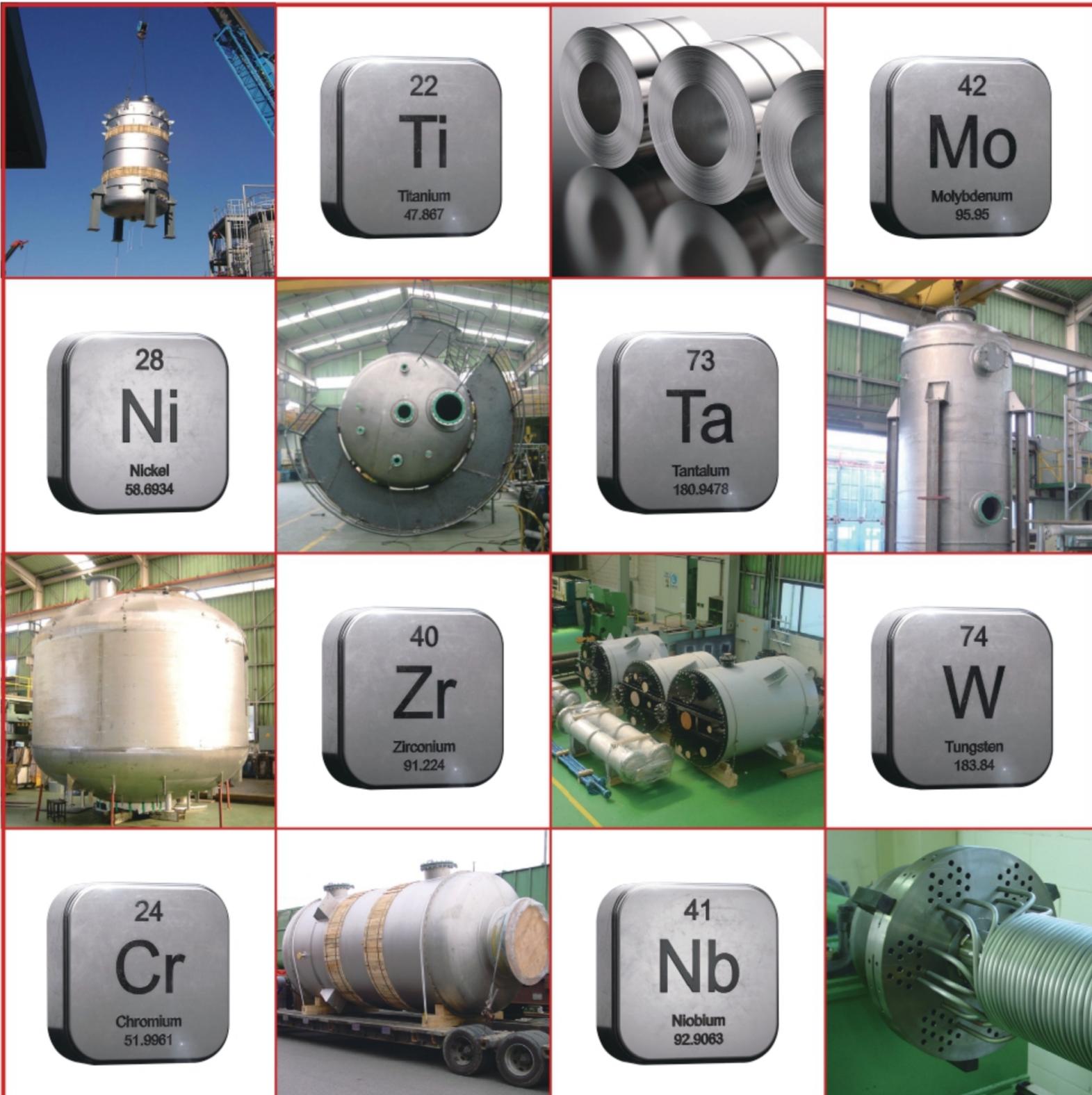
Titanium, Nickel Alloy,  
Zirconium, Tantalum and  
Special non-metals

### Chemical, Petrochemical & Industrial Plant

Heat Exchanger,  
Storage Tank, Reactor,  
Pressure Vessel

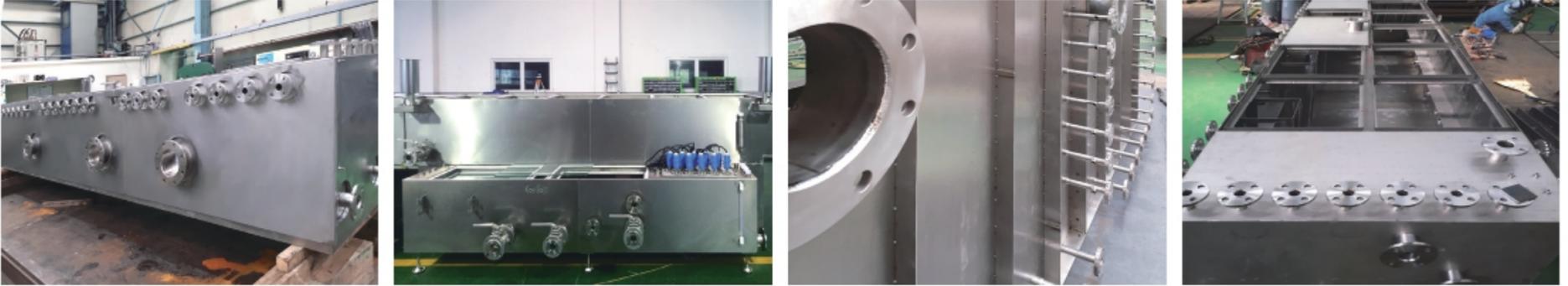
### Advanced-Material Application (Processing)

Plating Chamber in Etching Line,  
Filter Housing, Bus-Bar,  
Corrugated Tube Heat Exchanger



# SEMI-CONDUCTOR, PCB, SURFACE TREATMENT

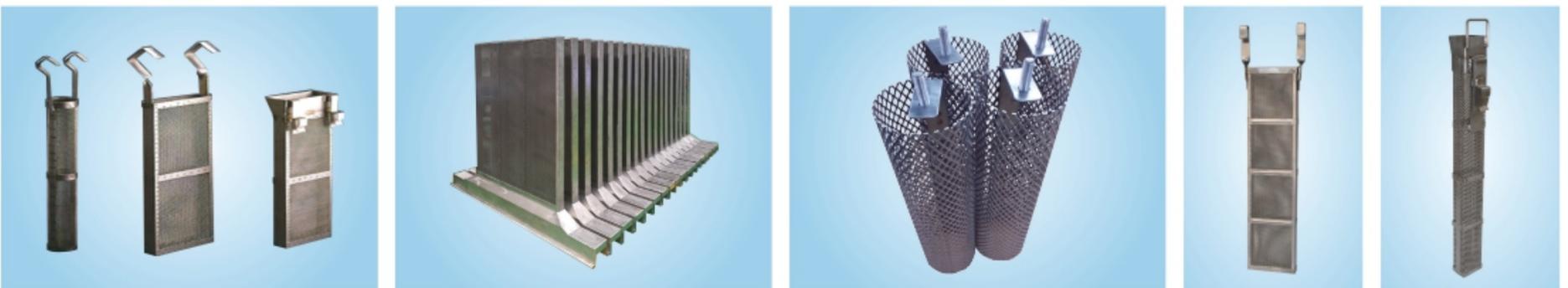
## TITANIUM ETCHING CHAMBER – PCB Etching Line, Plating Facilities



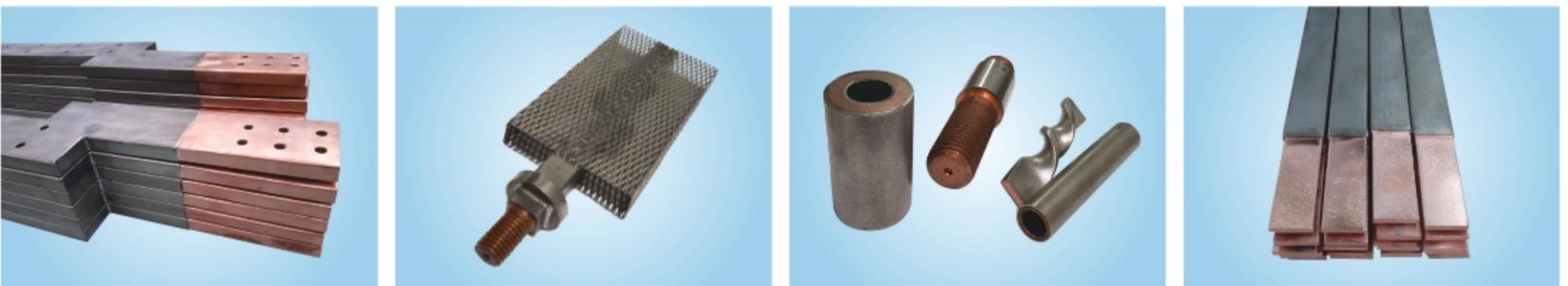
## FILTER HOUSING – Titanium or Zirconium (For Corrosion Resistance & High Temperature)



## ANODE BASKET (For Plating Line & Continuous Plating Line, PCB)

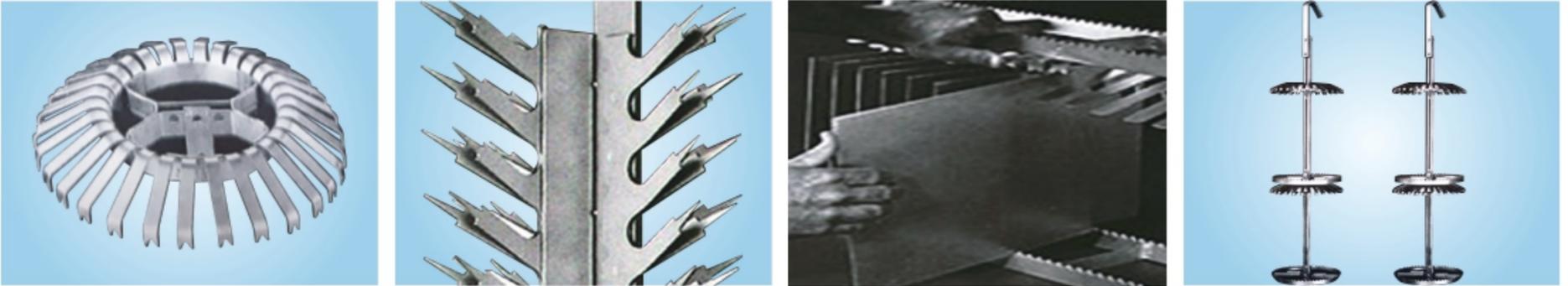


## BUS BAR (For Plating Line & Continuous Plating Line, Electrolysis)

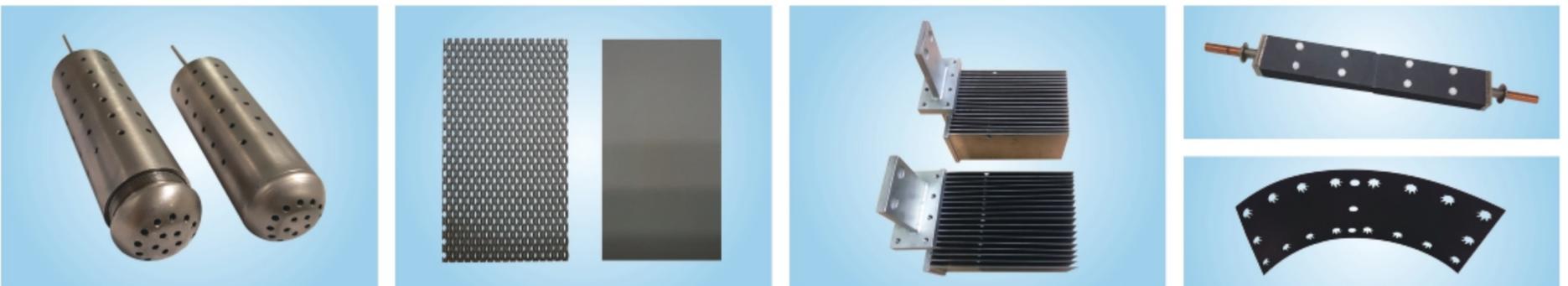


# SURFACE TREATMENT FOR VARIOUS FLANGES

## TITANIUM RACK

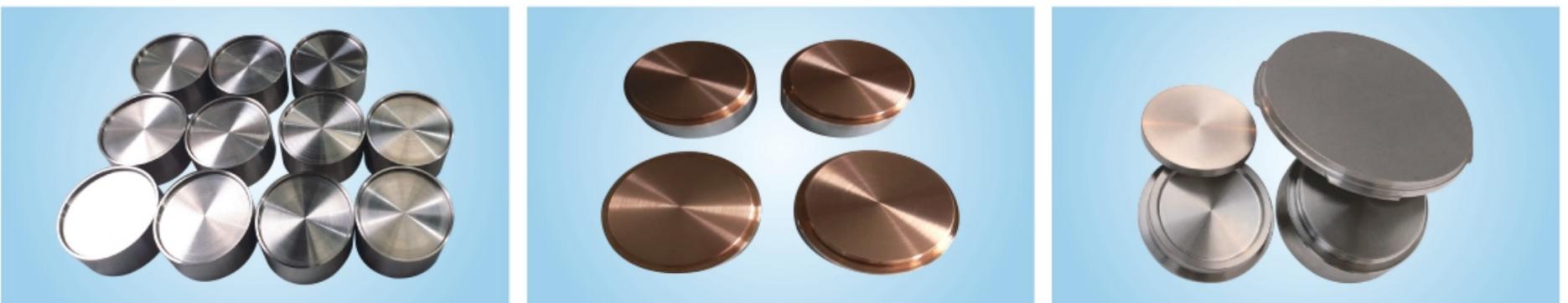


## MANUFACTURING OF ELECTRODES FACILITY PARTS



# PROCESSING OF MACHINERY PARTS

## CIRCULAR TARGET



## PLATE TARGET



## PROCESSING OF MACHINERY PARTS

---

### TITANIUM ETCHING CHAMBER – PCB Etching Line, Plating Facilities



### MANUFACTURING OF SPECIAL SHAPED PIPE

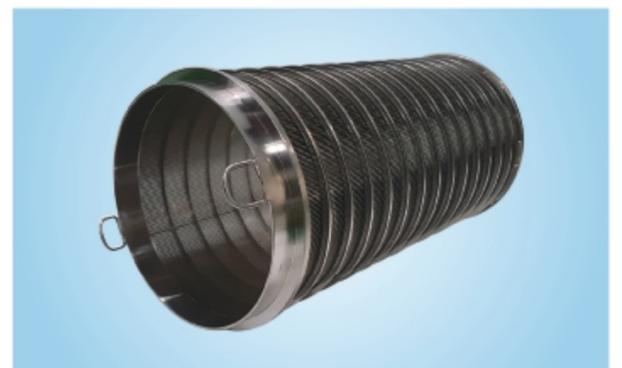
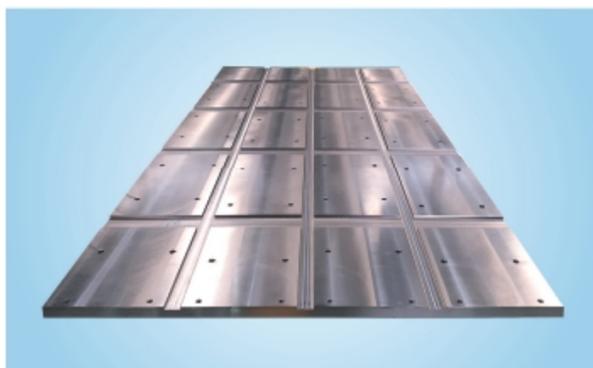
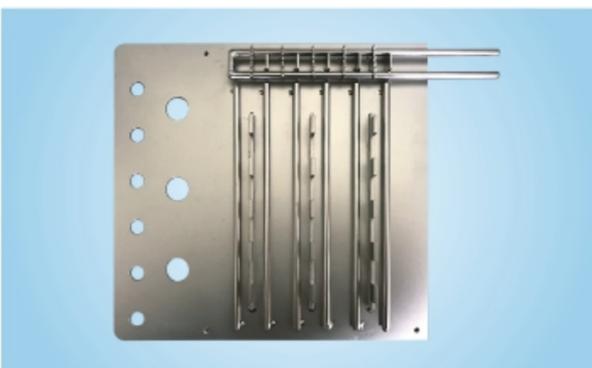
– Taper Pipe & Bellows Pipe



### VARIOUS FLANGES



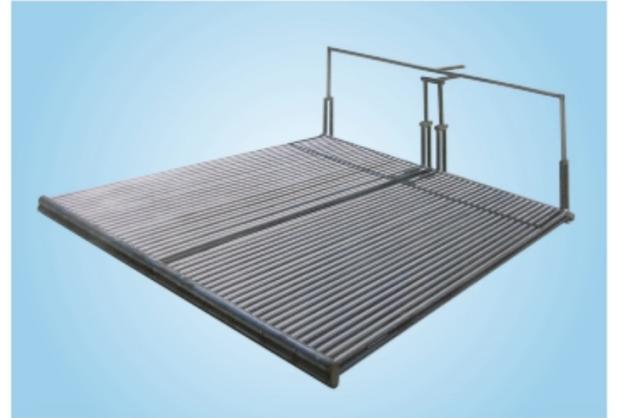
### OTHER GENERAL MACHINE & EQUIPMENT PARTS



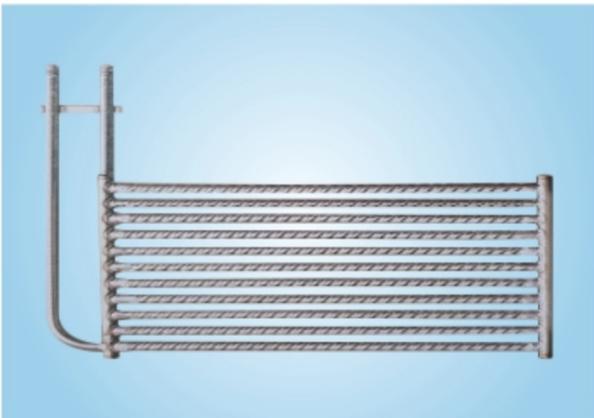
## FABRICATION OF HEAT EXCHANGERS

- Heating type and Cooling type

### HEAT EXCHANGER – Straight Pipe Type

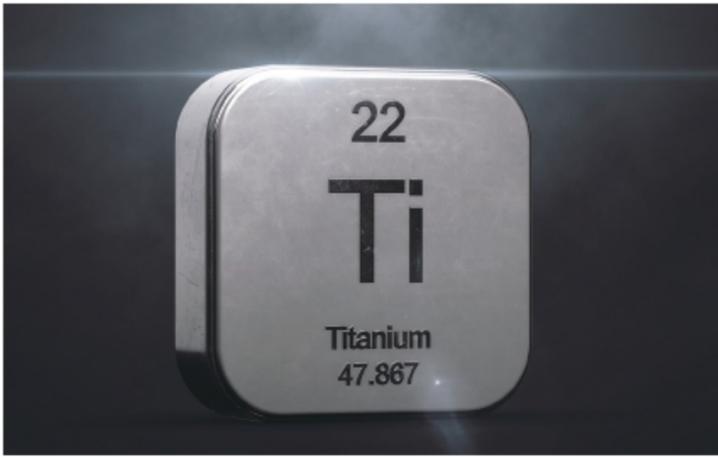


### HEAT EXCHANGER – Spiral Pipe Type

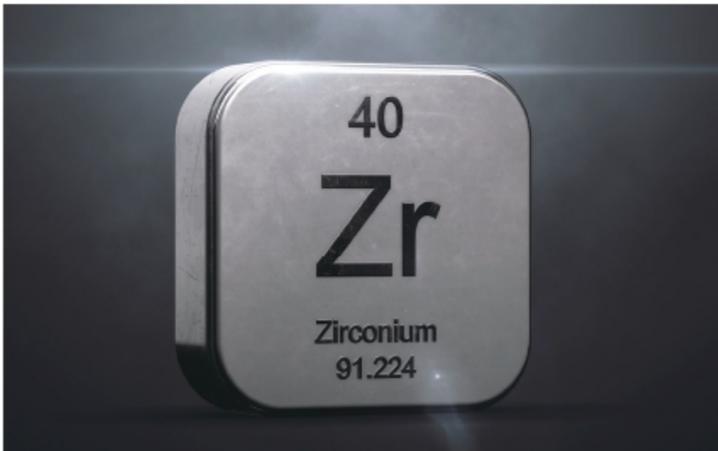


### HEAT EXCHANGER – Corrugated Pipe Type

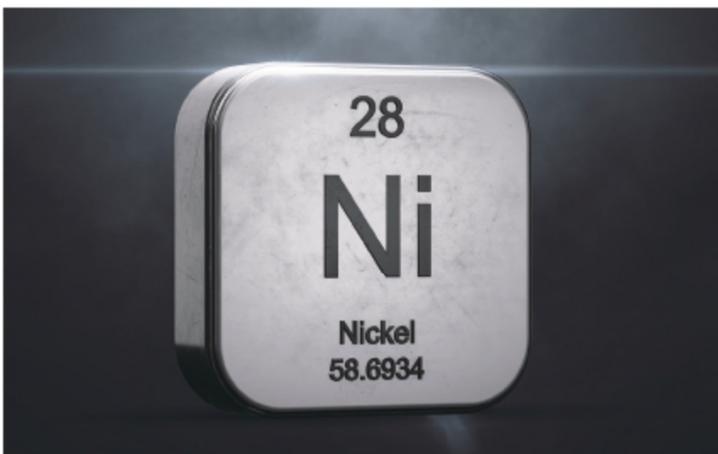




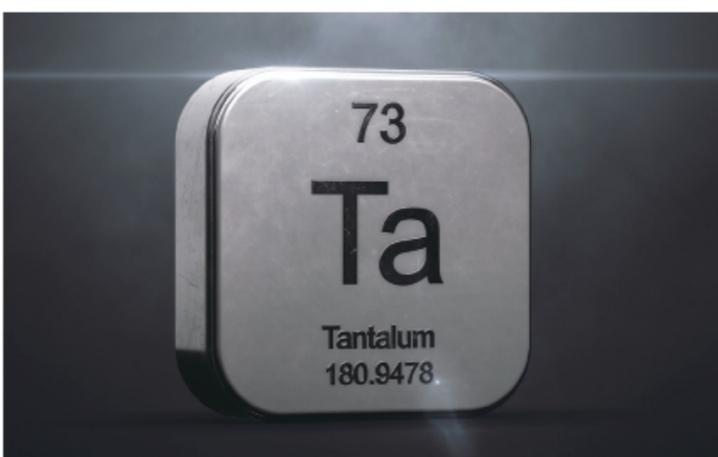
Element symbol	Ti
Atomic number	22
Atomic weight	47.88
Melting point	1,675°C
Boiling point	3,260°C
Density	4.50(20°C)



Element symbol	Zr
Atomic number	40
Atomic weight	91.224
Melting point	1,855°C
Boiling point	3,260°C
Density	6.51(20°C)



Element symbol	Ni
Atomic number	28
Atomic weight	58.6934
Melting point	1,455°C
Boiling point	2,730°C
Density	8.90(20°C)



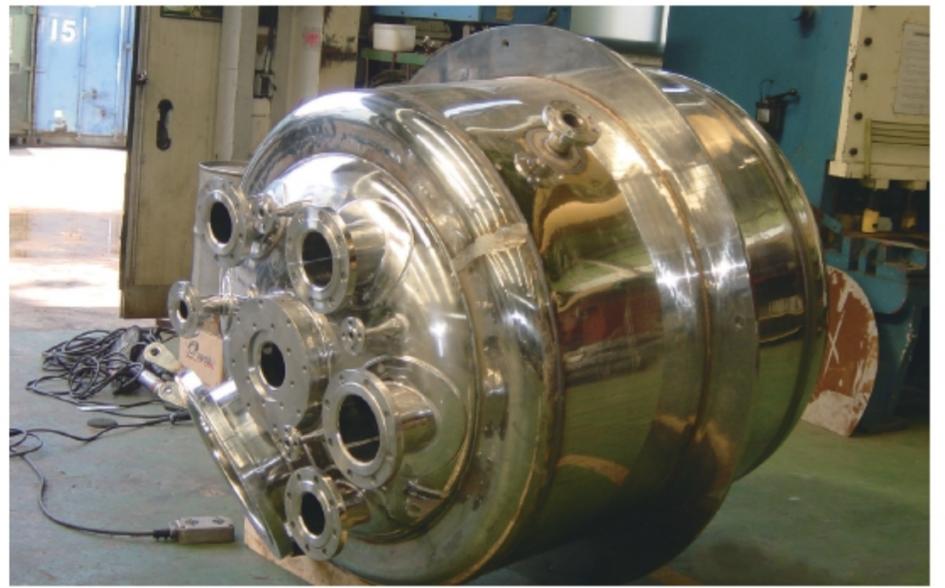
Element symbol	Ta
Atomic number	73
Atomic weight	180.948
Melting point	2,996°C
Boiling point	5,425°C
Density	16.64(20°C)

## PRODUCTION PROCESS



# PLANT

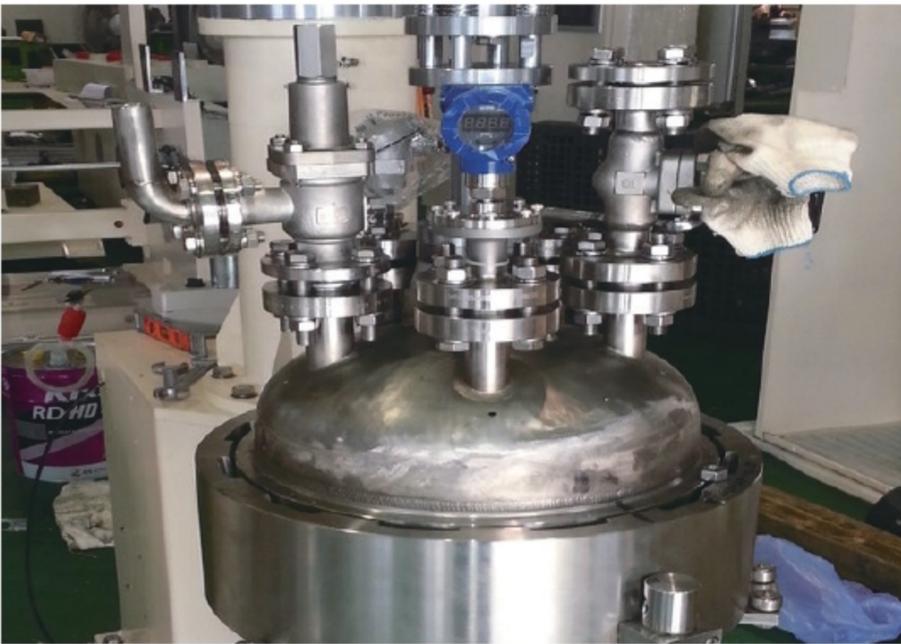
As a technology to design dreams and make the future based on trust, we use a various special materials such as Titanium, Hastelloy and Nickel alloys to provide the highest satisfaction to our customers' requirements.



# PRODUCTION PROCESS



A LEADING COMPANY IN TITANIUM  
AND SPECIAL NON-FERROUS METAL INDUSTRY



**PRODUCTION PROCESS**



### ONE STOP SERVICE

FROM RAW MATERIALS TO EQUIPMENT



### EXPORT TO CHINA

FOR SOLVENT RECOVERY SYSTEM IN CHINA





**SPECIALIST IN TITANIUM, NON-METALS**

**SPECIALIST IN HANDLING AND  
PROCESSING OF SPECIAL NON-METALS**

**TITANIUM**

**High Corrosion Resistance**

Chemical Tank  
Heat Exchanger  
Plating Tank  
Black Oxide Tank

**ZIRCONIUM**

**High Temperature & Pressure**

High Temperature Reactor  
Material Testing Reactor  
Research Equipment

**TANTALUM**

**Extremely Toxic Substance  
High Corrosion Resistance**

Extreme Poison Reactor  
Material Testing Equipment  
Research Equipment

**NICKEL**

**Application Business Area**

Polysilicon Reactor

**A LEADING COMPANY IN TITANIUM  
AND SPECIAL NON-FERROUS METAL INDUSTRY**



**ATX**

**ATX CO., LTD.**



No.2 44Beon-gil, Beonyeong-ro, Danwon-gu, Ansan-City, Gyeonggi-do, 15617, S.Korea.

TEL. +82-2-1544-1909 FAX. +82-70-4652-5555 E-mail. trade@atx.kr

**www.atx.kr**