



LEADER OF FOOD AND BEVERAGE PROCESSING REFRIGERATION AND ICE MACHINE WITH

FRIENDLY ENGINEERING



PATKOL Public Company Limited

www.patkol.com



PATKOL has been recognized as the Asean leader in refrigeration and food machinery for 50 years. Known for having excellent engineering capability and high quality products, we work on the principle of

"We Offer Quality Products & Services with Integrity and Reliability"

Timeline

Founded as refrigeration T Contractor company	Started ube Ice Machine business	New Factory 1 in Samutrprakan	Listed on SET & rename to "PATKOL Plc."	ASME U-Stan certified	np Started Turnkey pr	d capital	istered raised to 600 MB	
1965 1974	1976 19			95 2000	2005 2006		2012 2014	2018
Started s Of Dairy pr		d grade	РКВ С	o.,Ltd. 2	Opened 2 factory Petchburi	ISO9001 certified	ISO14001, OSAS18001 certified	

Quality Product

PATKOL's factory, opened in October 2005, is operated under the name PATKOL Manufacturing Co., Ltd. Located in Thailand's Phetchaburi Province and occupying an area of approximately 15,000sq.m., it has a great manufacturing capacity, and its activities are promoted by the BOI. The winner of the 'White Factory' provincial award strives to ensure high quality and high efficiency.





Our Products & Solutions





Outstanding Technologist Award 2004 For being the Thai pioneer in design and production of Tube Ice Machines that meet the GMP standard Presented by HRH Mahachakri Sirindhorn



Prime Minister's Export 2001 For Thai brands For our Ice Making Machine

Prime Minister's Export 1993 For Thai designs For our Ice Making Machine

HALLAN



Second runner-up Machinery Technology Award 2016 Major :Technology and Machinery for Manufacturing Machine :Tube ice Packing Machine





Ice Machine



Ice Machine



We built first PATKOL[®] tube ice machines in 1976 and committed to continuously enhance its own capabilities to retain leadership in the industry.

PATKOL[®] ice machines are specially designed for using in tropical areas and heavy duty work with very long life time. Many of them are still functional even after 25 years of operation. Our ice machines are highly popular in Asia and expanding to more than 30 countries around the world.

World leader in Ice Machine



Ice from PATKOL[®] ice machines are suitable for consumption and supplying to various types of industry. Our new "High Efficiency" ice machines have lower electrical consumption which create more profit to user.

We can offer all equipments as complete system for ice business with various options to suit your requirements under global manufacturing standard and global warranty with after sales services from our overseas staff and local agents nearby your place.

Ice Handling & Storage







Reciprocating and Screw Compressor

Freezing & Cold Room

Freezer & Chiller



Fruit Cold Storage Vegetable Cold Storage Ultra low Temp. Storage

Humidity Control Storage Controller Atmosphere Storage 📒 Blast Freezer Processing Room Cooling

-60⁰C Freezer Contact Plate Freezer

Riple Plate Water Chiller Shell & Tube Chiller Ammonia Chiller

efrigeration



PATKOL

We are the leading manufacturer and contractor of refrigeration components and systems. Our extensive range of high quality, reliable refrigeration products, which feature excellent designs and incorporate professional installation, commissioning and related services, can be supplied to virtually any industrial or commercial refrigeration plant.

Your solution in Refrigeration



Instrumentation lines, panel and automatic operation systems

Upgrades of existing production lines

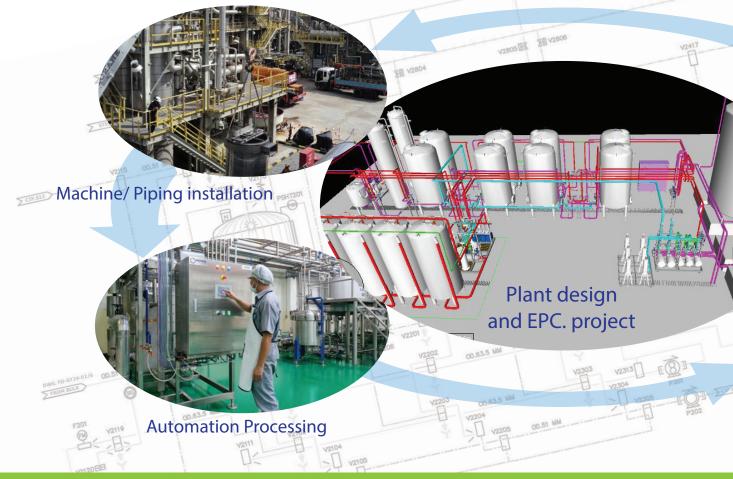
Equipments



Supermarket Showcase Compressor Rack

3500 Industrial Ice Maker Compressor Shell & Tube Condenser Ammonia Pump Evaporative Condenser Energy Saving Equipment







Beverage & Brewery



Milk Collection CenterPasteurization SystemUHT System

Yoghurt and Drinking Yoghurt
 Ice Cream Plant

Condensed Milk Plant

Juice / Tea ExtractorDissolving SystemFermenter System

Carbonated DrinkCentral CIP

Turnkey Project



Liquid Processing

We have an extensive experience in dairy processing and liquid processing industries with highly various skilled of Engineers and Technicians. Project teams are expertise in specialized field of construction with safety mind.

Our capabilities are able to supply Turnkey project by our professional experiences to meet your project timeline, project budgetary and satisfy quality.

Providing automated plant solution

We supply plant solutions, plant automations, innovation and cost-effective processing equipment and utility equipment to many well-known leading manufacturer, local and oversea under conceptual of hygiene, operation efficiency and product quality.

Utility system



Plant renovation / upgrading

Chemica

HACCE



- Plant Engineering Design
 Automatic Plant Controlling System
 Raw Material Feeding System
- EPC. Project
- Energy Saving Project
 DI Watering System
 - DI Watering System
- ASME Equipment Design and Fabrication
- Chemical Storage and Transfer System
- Explosion Proof Processing





PATKOL could supply stainless steel tanks, vessels, mixers and processing equipment. With our experience and technical know-how from Europe, food grade and Hygienic tanks are our main products.

- Stainless Steel grade 304, 304L, 316L, 316Ti and Duplex
- Surface roughness $R_a \leq 0.8 \,\mu\text{m}$ or up to $R_a \leq 0.4 \,\mu\text{m}$
- CIP (Clean In Place) spray ball
- Heating and cooling jacket ; half pipe, dimple, spiral etc.
- Meet GMP, HACCP, FDA standards
- Pressure vessel design to ASME code
- Radiographic testing and 3rd party inspection
- Chemical passivation and cleaning

Dairy & Beverage





Tank& Pressure Vessel



HONDER

We are specialized in manufacturing all kind of tanks







American Petroleum Institute



Cosmetic

Petrochemical Equipment



- Storage Tank High Viscos Product Mixing Tank High Shear Mixer
- Pressure / Vacuum Tank Mobile Tank
- DI Water Tank
- Tank Farm (API) Pressure Vessel
- Heat Exchanger
- Reactor Stack Column

Individual Quick Freezer (IQF.) & Washer

TI

FREEZER

九朱





WASHER



Tunnel Freezer Capacity 250 - 1,500 kg/hr.



Spiral freezer Capacity 500 - 3,000 kg/hr. /



Kleen Crate Automatic Tray Washer

Capacity 500 - 4,000 eas./hr.



Atanomat Automatic Tray Washer

Capacity 300 - 1,000 eas./hr.

Bakery

Poultry & Meat

Ready to eat

Frozen food & Seafood

Distribution Center

Fruit & Vegetable

Control and Automation

LILL I

Everything's we can control.

CDRINNA CDRINNA CDRINNA ORRP

PATKOL is the Thailand company, that we can design and develop software for automatic machine with online monitoring system for control & monitor your machine.

The Automation Control System will be working replace of human which able to control quality of products also certainly about quantity of production more than working by human.

Productivity Quality and Safety are the key factors to be integrated by PATKOL innovative process automation systems and services for control, monitoring, reporting and analysis according to the GMP and HACCP regulations.















- Researching and Developing new products to serve business units to maintain the lead in each industry.
- Improving existing products to have higher reliability, more energy saving, more customer friendly and more cost effectiveness.
- Being technical center of the company to keep all technical information and knowledge systematically.
- Providing technical training to staffs.

R&D



Nowaday, every system regional accuracy and continuous automatic control due to the growth rate of world labour cost and human errors. The automatic controlling system is the solution and easy to increase production capacity in low investment.

Productivity, Quality and Safety are the key factors to be integrated by "PATKOL" innovative process automation systems and services for controlling, monitoring, reporting and analysing according to the GMP and HACCP regulations.

Automation

Technical Supporter

Process Improvement / Consultancy

Patkol is professional in providing engineering solution to our customer. We can do all process design, process improvement and consultant in the food and petrochemical industry. Moreover, we can scale up from laboratory to pilot plant and commercial scale.



Engineering Center

- Our work to meet a variety of needs based on customer's enquiry
- Design pressure vessel and heat exchanger according to ASME Code, TEMA Standard, we also continuously recieved the U-Stamp Certificate as well
 Design storage tank according to API-650, API-620 Standard, etc,
- We have been focusing on high quality, high effiency and environmental friendly products.



Packing Machine

PATKOL has continuously developed the packing machine with the main target aiming on customer's by highest precision with extreme efficiency in order to increase your profit, such asenergy saving, reducing film lost, operation time and man power, the minimum use of consumption supply as well as keeping friendly environment.

Complete Set Automatic Packing Machine





High Speed Pouch Filler Automatic Automatic Ice Packing (2kg) Automatic / Manual Ice Packing (20kg)

Patkol is more than just a manufacturer of refrigeration products, It is also a major certified supplier of a vast array of high quality and can be used for storage, transportation and production requirements.

Spareparts







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