

# A COMPLETE INDUSTRIAL SOLUTION





WELCOME TO



**ALANTECH**  
INDUSTRIAL SOLUTION



Alantech industrial solutions (AIS) is specialized in manufacturing industrial equipment for Oil & Fat processing, Bottling equipment, Water treatment plants, Conveying systems & other special purpose equipment. We supply all industrial automation components, testing equipment & utilities equipment for our projects from reputed brands. Our supply lines includes

- Edible oil refineries – Fully automated with SCADA, semi automated and batch refineries
- Solvent extraction plant – Fully & semi automated
- Soap splitting plants
- Fractionation plant
- Shortening & specialty fat production lines
- Seeds & grains cleaning equipment & storage silo
- Peanut butter production lines
- Bottling lines – Water, juice, CSD, Edible oil, semi solids
- Packaging equipment – Solids, liquids & semi liquids
- Plastic processing equipment
- Automation projects – factory automation, Tank farm automation, Warehouse automation etc
- Electrical panels – HT & LT panel and accessories
- Utility equipment – Generators, Compressor, Boilers, weight bridge
- Water treatment plant
- Conveying system

We have our own manufacturing facility with design collaboration with top European manufacturers and bought out items are selected carefully from proven technology partners. This makes our projects unique in quality and reliability.



## COMPLETE PROCESSING AND PRODUCTION EQUIPMENTS FOR FOOD INDUSTRY



INJECTION MOULDING



BLOW MOULDING



FILLING & CAPPING



LABELLING



PACKING/PALATIZING

### COMPLETE PRODUCTION LINES - PELLET TO PALLET

End to end production line including utilities and auxiliaries – low to high speed production lines with high accuracy of production and sustainable efficiency. Some machines in picture are:

#### Injection Moulder

Plastic injection molding machines for high precision and quality products ranges from single cavity to 124 cavity moulds.

#### Packing machines

Standard packing machines, carton packing, crate packing, shrink wrapping, stretch wrapping & robotic packaging equipments for different applications

#### Processing rooms

Milk & Juice preparation equipments, Sugar processing, Syrup rooms, Homogenizers, Pasteurizers, CIP units, Bag emptying systems & storage tanks

#### Palletizing & De palletizing

Palletizing and depalletizing equipments for high speed lines.

#### Conveyors

Complete conveyor solution for product, packages & Pallets. Food & normal application conveyors.

#### Labelers

Solutions for Wrap around labels, Body labels, neck labels, self glue labels both in paper and OPP material

#### Fillers

Gravity fillers, Visco filler, Volumetric fillers, Flow meter fillers, Weight fillers for different product applications include hot fills. Different capping solutions according to the container neck design

#### Blow moulder

PET & HDPE bottle blowing machines for different shapes and sizes. Manual, semi automatic and fully automatic machines for optimum quality bottles for different applications.

### PRODUCT CATEGORIES

- ◆ Water ◆ Milk & milk based drinks ◆ Tea's and isotonic's ◆ Carbonated soft drinks / Juice ◆ Food
- ◆ Edible oil ◆ Cosmetics & detergents ◆ Semi liquids ◆ Solids



## WATER TREATMENT AND CONVEYING SYSTEM



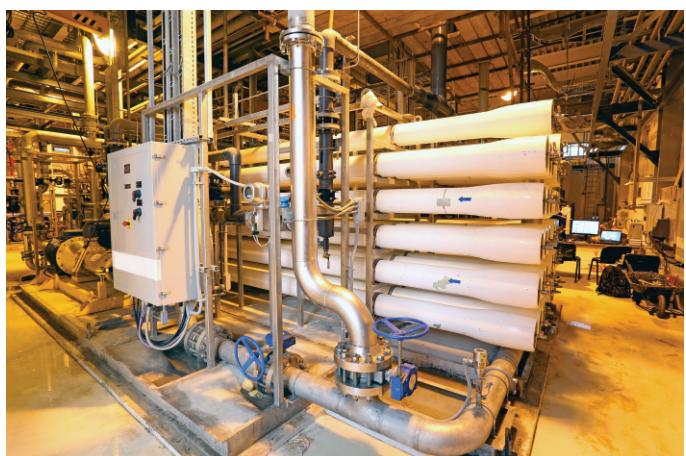
### WATER TREATMENT

Using the latest high efficiency membrane technology, coupled with robust proven designs Alantech can provide you with a RO system that is fast to ship and even faster to install. Alantech have decades of experience and hundreds of RO installations around the world.

### CONVEYING SYSTEMS

Alantech has been engineering and producing bottles conveyors since 2012. Starting as a glass bottle conveyors manufacturer Alantech has been continuously extending its field of expertise and became one of the world's leading manufacturers of air conveyors for PET bottles.

The company offers nowadays a comprehensive range of conveyors for both primary and secondary packaging. Conveyable products go from yoghurt cups to toothpaste tubes varying from beverage, food and chemical industry.



### PRODUCT CATEGORIES

Reverse osmosis plant

Ultrafiltration plant

Nano filtration unit

Pre filtration

Softeners

Chemical dosing system

CIP system

UV disinfection unit

Ozone dosing system

Mineral balancing

# OIL & FAT PROCESSING



## EDIBLE OIL REFINERIES

Physical and chemical refinery for edible oil for Ground nut, Soybean, Mustard, Sunflower, Rapeseed oils with conventional design and cold refining process. Losses are minimized through streamlines process control and heat recovery obtained more than 80% and utilities consumption minimized to reduce the operational cost



## SOLVENT EXTRACTION

Capacity – Up to 5000 TPD, over 250 Plants worldwide Full range of Feedstocks -Palm Kernel, Rice Bran, Soybean, Mustard, Sunflower, Rapeseed, Palm Fibre, Peanut, Cottonseed, Groundnut, Spent Earth, Copra etc.



## FATTY ACID SPLITTING

Technology Collaboration with Lurgi AG & Oleo Consulting (Mr. Jürgen Grobys), Minimum Splitting Degree of 99%, Energy Saving Device to recover Latent Heat by Flashing of Sweet Water & CFA thereby increasing Sweet Water Concentration from 12% to 30% WITHOUT ANY EXTERNAL ENERGY. Extensive Lurgi Data-bank to meet any required Fatty Acid Fraction especially for Multi- component Feedstocks. Latest Design superimposes the Precut Column on Top of the Main Distillation Column to make a Composite SINGLE 3-BED COLUMN. Produces Snow-White DFA, free of Odor. Reduces Losses in Residue., Reduces Thermic Fluid Heat Load Requirements by 25%, Allows withdrawal of C16 SIDE STREAM OF 95% PURITY, Can produce DFA Stream of I.V. 40 DIRECTLY for Soap Production, Residue with A.V. < 30 AT ALL TIMES.

## OTHER OIL & FAT RELATED PRODUCTS

Palm oil mill

Bio diesel plant

Oil mill equipment

Seeds claning equipment

Storage silo

Plant automation

Tank farm & inventory management

# INNOVATIVE IDEAS.. S

## BOTTLING LINES

End to end production lines with its supporting equipments to ensure the high efficiency performance of the plant, Optimum quality of product and provide better productivity to the customer. Systematic designing to ensure the cost effective solutions and low running cost of the plant. Complete solutions for any industrial requirements and turnkey projects. We are specialized in reliable equipments, Latest technology, Innovative design & Cost consciousness.

## INDUSTRIAL SOLUTIONS



## INDUSTRIAL



## OIL & FAT PROCESSING

solvent extraction plants  
edible oil refinery - conventional & cold refining  
soap splitting plant for oil / seed types  
sunflower  
soyabean  
palm  
groundnut  
ricebran  
cocunut etc

## OIL & FAT PROCESSING



## OIL & FAT

# SUSTAINABLE SOLUTIONS..

PLANTECH  
INDUSTRIAL SOLUTION  
CONSULTANCIES

## ENGINEERING & AUTOMATION



## ENGINEERING & AUTOMATION

Industrial engineering solutions from designing, fabrications, automation and implementation of large scale projects to our customers with high quality and accuracy, for all types of industries including petroleum, food, chemical and other industries. Solutions includes piping, tank construction, calibration, civil work and more..

## UTILITIES



## WATER TREATMENT, CONVEYING & UTILITIES

Industrial and commercial water treatment systems with the technology of - reverse osmosis, ultra filtration and nano filtration.

Indutrial conveyors such as - table top conveyor, modular conveyor, magnetic conveyors, roller ways, pallet tranport, special and custom application

Utilities – all plant utilities equipment such as generators, compressors, boilers etc



# OTHER PRODUCTS

Alantech is pleased to provide our clients

- ◆ Industrial automation components
- ◆ Pneumatic and hydraulic components
- ◆ Pumps, Valves & instrumentation
- ◆ Machines tools
- ◆ Electrical and electronic components
- ◆ Testing & measuring equipment
- ◆ Customized machine parts



## PLC / HMI, Sensors, Automation components

- Siemens
- Omron
- Schneider
- Allen Bradley
- Delta



## Pumps : All types of pumps from

- Grundfos
- Prominent
- Netzsch
- KSB
- Swellore



## Valves & instrumentation

### All types of valves and accessories from

- Rotex
- Forbs Marshall
- BV
- Flow serve



## Compressors : Compressors & Accessories

- Atlas copco
- Ingersollrand
- Chicago-pneumatics
- Kaeser
- Boge



## Chillers & cooling towers

### Cooling equipments from it's leading manufacturers

- Carrier
- Trane
- GWK
- McQuay
- Evapco



## Boilers & other utilities

- Thermax
- Weishaupt
- Cochran
- Reilo



## Electrical switchgear components

- ABB
- L & T
- Schneider
- Legrand
- Moeller



## Pneumatics & Hydraulic parts

### All components from the best suppliers

- FESTO
- SMC
- Numatics
- Rexroth
- Norgren

## Flow meters & measuring instruments



- Endress + Hauser
- Krohne
- Micro motion

## Lab testing & measuring equipment



- HACH
- HANNA

## Frequency inverters



- Siemens
- Danfoss
- Delta

## Drives & Gear boxes



- SEW eurodrive
- ABB
- Bonfiglioli

## Filters & Screens



- Amafilter
- Mahle
- Sharples



## Weight bridge

all type of industrial weight bridges from Avery & metler Toledo



## Customized machine parts

Parts which are customized by the manufacturer can be designed and developed



### Servo motors & drives

- Omron
- Beckhoff
- Danfoss
- Parker
- Panasonic



### Separators & centrifuges

Separators and its spare parts from

- GEA
- Alfa Laval



### Heat exchangers : Plate and tube - heat exchangers for different industrial applications

- GEA
- Alfa Laval
- Trantex



### Temperature / Pressure controllers

Digital & Analog pressure / Temperature controllers

- Geffran
- Emerson



### Solar Systems

Lighting and energy system through solar technology



### Processing Equipment's

- Homogenizers
- CIP unit
- UHT
- Mixer



### Process automation

Process automation and integration software's and instruments



### Generator parts

Genset parts from Perkins & caterpillar



### Power tools & Hand tools

The best quality tools from Dewalt, Makita, Bosch, Hilti and black deckers



### Safety Equipment's

Safety equipment's for the industrial purpose from approved manufacturers



### UPS Systems

UPS systems from EMERSON



### HT / LT panels

Panels rooms - designs and supply



### Voltage stabilizers

Voltage stabilizers for industrial application



### Steam Accessories

- Condensate Recovery system
- NRV
- Safety valves
- Steam traps
- Steam valves

### Silo system



seeds and grain cleaning system and storage silo up to 17,000 Tons capacity

# OUR SUPPLIERS

Alantech has more than 100 well known suppliers in our product portfolio.

We have supply channel with all internationally accredited brands and manufacturers. This ensures that highest possible quality at competitive price. We ensure the components delivered by our suppliers has quality certified by the manufacturer before dispatch.



# REFERENCE PROJECTS



Complete conveying system for 24,000 BPH CSD & Juice bottling line



Ultra filtration plant of 30,000 LPH with ozone disinfection, Aquasafe Ethiopia



400 TPD Edible oil refinery with soap splitting plant.



96 Cavity preform moulding machine with hopper, drier and de humidifier.



600 TPD solvent extraction plant and meals bagging section



1500 KVA generator and 4.5 MW LT panel power station



[www.alantech.in](http://www.alantech.in)

Alantech Industrial Solutions  
IX/581, Old No 1/123E , Puthussery Bld, Pala Jn.  
Mookkannoor – 683577  
Cochin , Kerala

Ph: +91 484 2615051, +91 9495167834

Email: [finance@alantech.in](mailto:finance@alantech.in), [purchase@alantech.in](mailto:purchase@alantech.in), [sales@alantech.in](mailto:sales@alantech.in)

Authorized Distributor In Africa Region



Exmpor Engineering Solutions  
[www.exmpor.com](http://www.exmpor.com), Email: [info@exmpor.com](mailto:info@exmpor.com)