

PACIFIC INTERTECH CO., LTD

SYSTEM SOLUTION FOR FOOD AND PHARMA PROCESSING



MIXING SYSTEM

SCREENING SYSTEM

FEEDING TECHNOLOGY

PNEUMATIC CONVEYING SYSTEM

IBC SYSTEM, CONE VALVE TECHNOLOGY



SINCE 1995

Pacific Intertech Co., Ltd.

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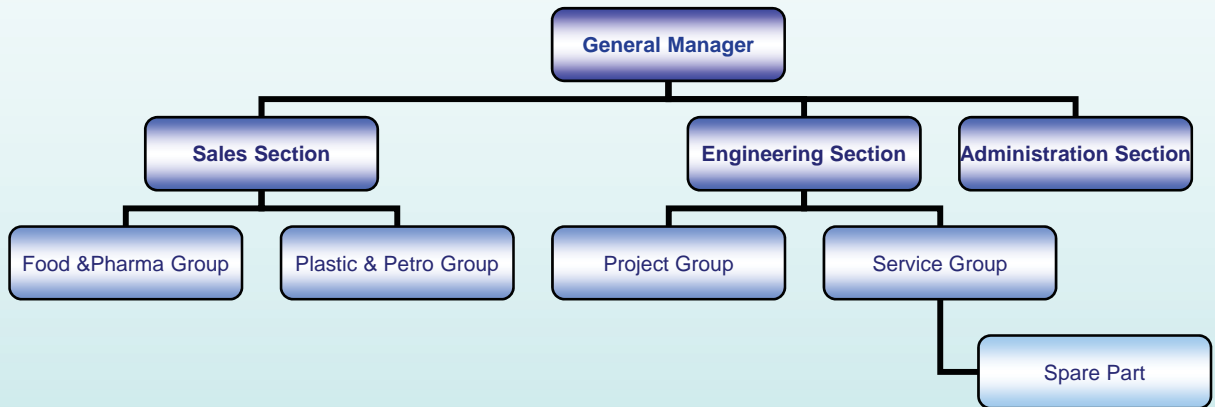
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Pacific Intertech Co., Ltd.

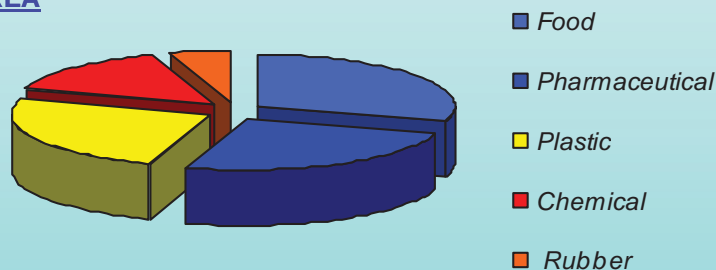
is an engineering company, which provided full line of Materials Handling System for Foods, Pharmaceutical, Plastics, Petrochemical, Rubber, and Chemical Industrial. We provide you the technology know-how which have highest global experience and local engineering support that included system design, fabrication silo & hopper, installation, commissioning & start-up and after sales services to ensure you with the fast response, the best quality and competitive prices.

ORGANIZATION CHART



Spare Part

BUSINESS AREA



SCOPE OF WORK

Supply Main Equipment & Designed System

- Feeding Technology
- IBC System
- Screening System
- Pelletizing System
- Pneumatic Conveying System
- Batching System

Local Engineering

- Structure & Piping Work
- Cable Wiring & PLC Programming
- Installation & Integrating System
- System Testing

Service Performance

- Commissioning & Start Up
- Training Course
- Repairs
- Service Contract
- Spare Part Depot

INTEGRATION SYSTEM TO PROVIDE TURN KEY SYSTEM

MAIN SYSTEM

- **Solid Conveying System**
 - Pneumatic Conveying system
 - Intermediate Bulk container
- **Feeding and Formulation system**
 - Loss in weigh feeder
 - Batching system
- **Mixing and Size reduction system**
 - Batch blending
 - Continuous blending
 - Milling system
- **Size separation system**
 - Centri-sifter
 - Vibration sifter

OUR SCOPE

- ☐ Technical Consultancy
- ☐ Concept design
- ☐ Basic design
- ☐ Detail Engineering
- ☐ Project Management
- ☐ Engineering Drawing
- ☐ Commissioning start up
- ☐ After sale service

OUR MAIN SUPPLIER TECHNOLOGY

- **Solid Conveying System**
 - MATCON
 - K-Tron
 - HAPMAN
- **Feeding and Formulation system**
 - K-Tron
 - MATCON
- **Mixing and Size reduction system**
 - Munson Machinery
 - MATCON
- **Size separation system**
 - KASON
- **Pelletizing system**
 - Rieter



MATCON



K-TRON



KASON



MUNSON

Pacific Intertech Co., Ltd.

Local Engineering

To provide the full range of turnkey system solution, we have organized project and service team to support closely at customer site. The main scope of local engineering were consist of installation work, fabrication work such as storage silo, small hopper, structure designed, piping, cable wiring, integrating and PLC programming



Service Performance

A full service section including start up & commissioning, training course, repairs, service contract, spare part depot and completed after sales service.

We offer regular maintenance of equipment as we supplied, ether on site or at our location, our consultants can also help solving your production line with optimal solution.

Regular training is a combination of group discussion and the start-up activities, the user will learn how to operate correctly.

We can put together a tailored spares package, outlining the necessary wearing parts. Complete spares packages for regular maintenance are also available.



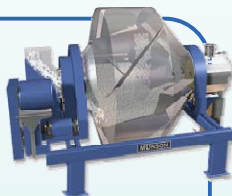


Munson has been the leader in **DRY BLENDING & SIZE REDUCTION EQUIPMENT** for the process industry since 1823. We are a leading manufacturer of semi-automatic equipment for the metal finishing industry as well.

Mixing & Blending

Rotary Batch Blender

- Gentle 4-way mixing action for powder/bulk material blending
- Rapid batch cycle times with no classification or degradation
- Capacities from 10 to 600 Cubic Feet
- Ideally suited for liquid spray additions and coating applications



Ribbon Blender

- Ruggedly Built, Single Agitator Blenders
- Capacities ranging from 1 to 1000 Cubic Feet
- Standard design available with easily removable flanged agitator or sanitary designs with removable and panels
- In Double Helical Ribbon, Plow Share or Paddle Design



High Intensity Blender

- Single agitator style, high or low speed
- Internal agitator paddles can be adjusted 180° for high impact, pin or pug mill applications & can be gear reduced for inline gentle mixes.
- Spray ports available for large additions of liquids
- Capacities up to 2800 cubic feet per hour.



Sizing Reduction

SCC Rotary Cutter

- Screen classifying cutter-rapid throughput, minimum fines, precise sizing.
- Advanced helical rotor design with interconnected parallelogram cutters.
- Tungsten carbide replacement cutter inserts.



CIM Pulverizer / Pin Mill

- Rotating impactor pin/disc assembly for fine and ultra fine particle reduction, declumping and mixing applications at slow speeds.
- Design efficiency produces high throughput rates per horsepower requirements with minimal heat transfer.
- Available in 15-100 horsepower drives via multiple V-belt and sheave



Rotary De-Clumper

- Reduces oversized and nuisance balls, clumps, agglomerates & compacted materials
- Low profile design easily fits under bag break stations, hopper & silos or use as a stand alone machine with optional hoppers and bases
- Classifying screens allow precise particle sizing of materials
- Available with up to 4 rotors depending on model number
- Standard construction is abrasion resistant steel, available in #304, #316 and sanitary design





The People, The Technology, The Solution

IBC Technology

The Intermediate Bulk Containers (IBC's) are used for transporting of semi-bulk solids to the point of use in process plants. Matcon offers a complete range of products and equipment to complement the IBC 'Cone' Valve Technology, including Filling, 'In-Bin' Blending, Discharging and Washing Systems.

Guaranteed flow

Flow control

Mass-flow

Containment

Clean ability



Industries Served

Pharmaceutical, Food, Chemical, Plastics, Toner

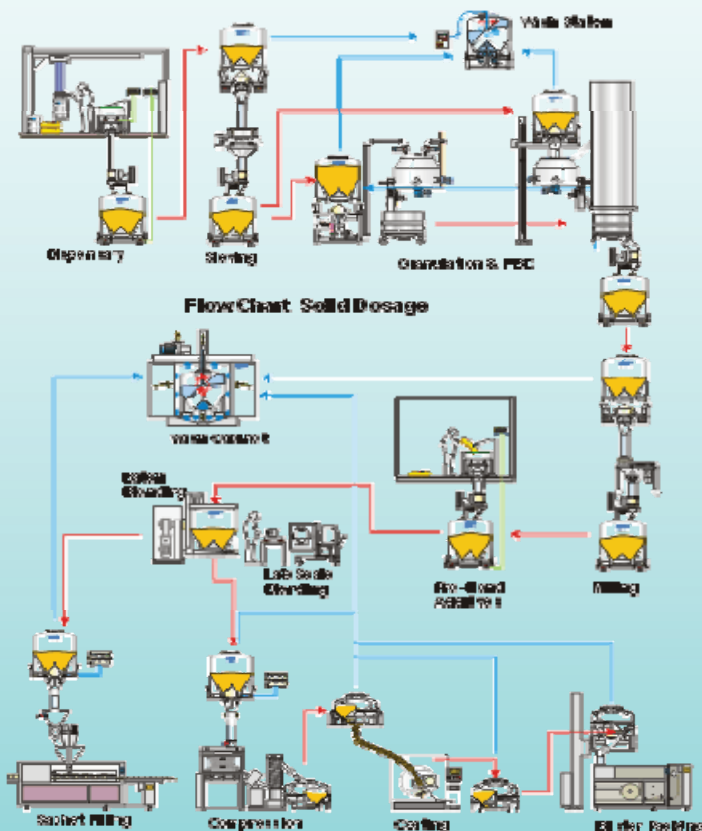
Metal Powder, Minerals, Animal Feed, Pet Foods.



IBCs

In carbon steel, stainless steel and polyethylene from 300 to 3000 ltr.

Pharmaceutical Solid Dosage



IBC Discharge Station

Basic, Standard Flat Plate or Frame type Discharge stations with Volumetric or Gravimetric operation. Air wash, CIP and variable lift height options.



IBC Washing

Wash Stations or Cabinets designed to meet customer requirements with programmable wash, rinse and dry cycles.



IBC Filling

Fill Head manual, semi or fully automatic high Containment Transfer Units (CUP).

IBC Batch Blenders

'In-Bin' Blenders to suit IBCs from 300 to 2500 litres.

A small selection of our clients



PHARMACEUTICALS & HEALTHCARE

Novartis, Pfizer, Merck, Zeneca, Lilly Industries, Schering Plough, SmithKline Beecham, Klinge, Sifa, Lonza, Astra, Bayer, Sanofi, Roche.



FOOD

RHM, Nestle, Quaker Oats, Gist Brocades, Bush Boake Allen, Kerry Food Ingredients, Farleys.



CHEMICALS

Exxon, Montell, Sandvik, Noramco, Energizer, LG Chemicals, Sherwin Williams, Proctor & Gamble, Unilever, BASF.



ENGINEERING

Jacobs, Raytheon, DPS, Kvaerner-John Brown, Project Management, Foster Wheeler, Fluor Daniel, Snamprogetti.



Parallel Processing

What is Parallel Processing?

Keep Your Mixer Mixing - Stop Wasting Time!

STAGE 1

Problem: Mixer idle during packing

Solution: Separate Mixing and Packing

Unloading Time
cut by 90%

Old way

Formulation

Mixing

Packing

Formulation
and Mixing

Packing

BENEFITS...

Mixer operating or is cleaned **AT THE SAME TIME** product is being packed

Rapid emptying of Mixer - turnaround time slashed.

The finished mix can be fed into the packing line without **DEGRADATION** or **SEGREGATION**. (Cone Valve)

Throughput up
100%

STAGE 2

Problem: Mixer idle during Loading

Solution: Separate Loading and Mixing

Loading Time
cut by 90%

Efficient
"Campaign"
Formulation
of Batches

Rapid transfer
to and from
Mixer

Packing

BENEFITS...

Mixer operating or cleaned and **AT THE SAME TIME** the next mix is formulated **AND** the previous mix is packed.

Mixer no longer **MANUALLY LOADED** so down time reduced and a **CLEAN ENVIRONMENT** maintained.

IBCs used to hold the **ENTIRE** production volume in advance.

Throughput up
200%

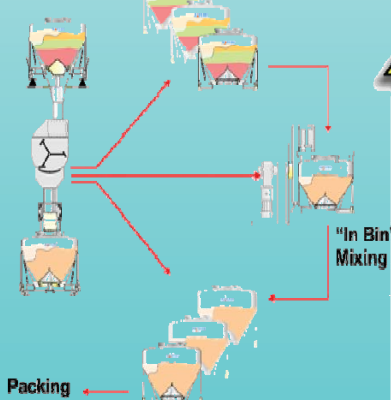
STAGE 3

Problem: Mixer idle during cleaning

Solution: Separate Mixing and cleaning

From Formulation

Cleaning Time
cut by 100%



BENEFITS...

Mixing, Formulation **AND** packing all working in **PARALLEL** at maximum efficiency - **NO "Dead Time"**.

The **IBC** becomes the mixing vessel so the mixer no longer needs **CLEANING**.

Increase **PRODUCTIVITY** as well as **PRODUCTION FLEXIBILITY**.

Throughput up
300%



YOUR PARTNER FOR BULK SOLID MATERIAL HANDLING



Integrate automated bulk material handling into your process with smart feeding and conveying solutions from K-Tron. Our leading edge material handling technologies increase productivity and save time and money. And K-Tron's global support keeps you up and running.

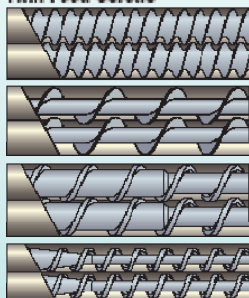
FEEDING TECHNOLOGY...



Pharmaceutical Feeder All models offer clear separation between the production area and the drive. It is designed according to GMP guidelines, easy to clean and can be disassembled without tools. The feeder offers the option of a stainless steel cover for the motor and gear box and can be integrated into a wall to offer further sanitary control. It can also be outfitted for Clean in Place (CIP).

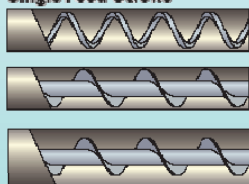


Twin Feed Screws

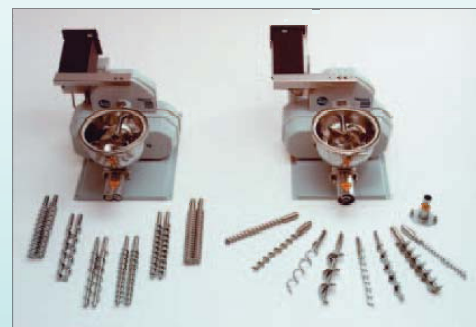


- Twin concave-profile screws for free-flowing and sticky powders
- Twin full-flight screws for pellets or pellet-powder mixtures
- Twin spiral screws for difficult pellet-powder mixtures
- Double spiral screws for pellets

Single Feed Screws



- Single spiral screws for pellets
- Single full-flight screws for poorly flowing powders
- Single full-flight screws with wider tube for large pellets



Screw feeding units use K-Tron's unique Powersphere design with horizontal agitation to provide the most uniform fill of material into the discharge screw thus improving feeding accuracy over a greater turn-down range. Single and twin screw configurations are available with a variety of screw designs to accommodate the broad range of materials that have to be fed.

Years of experience feeding all kinds of materials can be accessed in our test lab databases. Fully equipped testing facilities around the world can help in making the optimal equipment selection.

FEEDER GROUP



Modular Volumetric Feeder

Volumetric feed rate control of free-flowing to hard-to-handle powders, granules, pelletized and flaked materials. Single or Twin Screw designs cover rates from micro-ingredient to 45 000 dm³/h.



Modular Loss-in-Weight Feeder

High-accuracy loss-in-weight single ingredient at rates from 0.1 dm³/h to 45 000 dm³/h. Single Screw, Twin Screw and Vibratory models accommodate the widest possible range of materials.



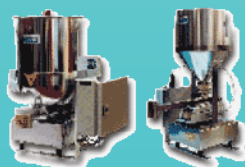
Liquid Loss-in-Weight Feeder

Continuous, precise gravimetric flow control of liquid with variable specific gravity. Pump or control valve supplied as needed.



Weigh Belt Feeders

Weigh feeding granules, fibers and powders to 120 000 dm³/h. Available in two belt widths and in standards, quick clean, sanitary and open-frame designs



Compact Loss-in-Weight Feeder

High-accuracy micro-ingredient loss-in-weight feeding of powders, pellets, granules, fibers, flakes and liquids. Rate as low as 0.1dm³/h. Full interchangeability of all feeder modules on common scale.



Bulk Solids Pump

BSP feeders have been specifically designed and engineered to provide gentle, precise feeding of free-flowing pellets, granules, flakes, powders and friable products.



Integrate automated bulk material handling into your process with smart feeding and conveying solutions from K-Tron. Our leading edge material handling technologies increase productivity and save time and money. And K-Tron's global support keeps you up and running.

...CONTROL SYSTEM...

KCM : K-Tron Control Module The KCM combines feeder control and motor drive modules into one component and is mounted directly on the feeder. Each feeder has its own KCM which is available in various configurations depending on the application - Status display and Keypad Display



KSU II : K-Tron Single Unit Display for single feeders. Economical user interface for single feeders or portable display for maintenance and configuration of large systems

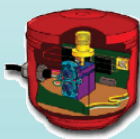
KSL : K-Tron Smart Line Control operator interface. Single line control display for up to 8 feeders on 1line.



KSC : K-Tron Smart Commander operator interface PC based multi-line, multi-feeder user interface for up to 30 feeders and up to 8 lines.

...WEIGHING...

Smart Force Transducer (SFT)



The SFT Smart Force Transducer, operating under compression, provides accurate, stable and reliable digital load measurement under a broad range of operating conditions.



Platform Weigh Bridge

The weigh bridge is part of a K-TRON SODER loss-in-weight feeder. It is equipped with a K-SFT sensor.

VACUUM CONVEYOR



K-Tron Pneumatic Conveying Systems for conveying of bulk materials in industrial processes



K-Tron PCS P-Series Equipment

The P-Series filtered receivers are specially designed for use with powders and friable materials in sanitary applications.

K-Tron PCS M-Series Equipment

The M-Series offers filterless and filtered vacuum loaders and receivers for conveying freeflowing materials mainly in the plastics industries





Screening and processing equipment for bulk solids materials and slurries.

KASON SCREENERS CERTIFIED TO 3-A DAIRY STANDARDS

3-A Sanitary Standards, Inc. has certified that the following Kason screeners comply fully with the organization's standards for "Dry Milk and Dry Milk Products, Number: 26-04":

- Vibratory Screener Models: K18, K24, K30, K40, K48, K60, K72, K84, K100

- Centrifugal Screener Models: CO, GO, KO, MO and YO

In addition to dairy applications, Kason equipment certified to 3-A standards is often specified for food and pharmaceutical applications to prevent bacterial growth, and for chemical applications to prevent cross contamination during product changeovers.



A new Vibroscreen® Ultra-Sanitary Screener from Kason Corporation that meets cGMP, 3-A, USDA and FDA standards features gap-free screen frames, quick-release "U" clamps, radius corners, a domed lid, an Air-Lift device to raise the frames, continuous ground and polished welds, a gap-free and crevice-free interior finished to sanitary standards, and a washable underside



Sanitary centrifugal screener disassembles rapidly with no tools

Kason's 3-A Dairy Accepted Centri-Sifter® centrifugal screener features a hinged end cover, self-securing screen cylinder and removable three-bearing cantilevered shaft/paddle/feed-screw assembly, allowing tool-free disassembly for rapid, thorough wash down.



"Air-lift" quick screen change system

Kason's new Air-Lift quick screen change system for circular vibratory screeners allows operators to change screens and gain access to the interior of the unit for cleaning or inspection many times faster than possible using comparable systems.

The lightweight device consists of two vertically mounted air cylinders that are located on opposing sides of any circular separator and affixed to mounting brackets on the lower and upper screening frames.



"Fluid Bed Processors "

Compact, Circular Vibratory Fluid Bed Processors provide high efficiency drying, cooling or moisturizing of foods, chemicals and other bulk solids.



Screening and processing equipment for bulk solids materials and slurries.

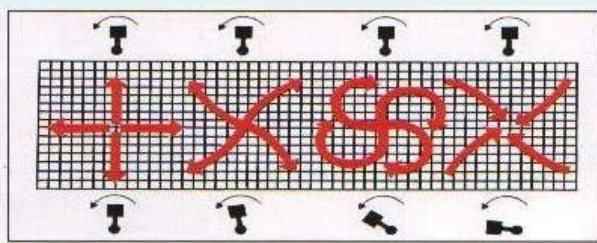
VIBRROSCREEN



Circular Vibratory Screeners

Kason Screen Separators are self-contained, compact, production machines that make precise mechanical dry or wet separations according to particle size through efficient use of multiplane inertial vibration techniques. They are designed and built to solve the most difficult classifying, separating and dewatering problems.

Kason Controlled Discharge Patterns



The Kason Separators can be made in a few minutes by the operator to control a solids distribution on the screen from a central feed as this charts to give maximum efficiency on the material being screened.

CENTRI-SIFTER



Centrifugal Screeners

The Kason Centri-Sifter is a versatile, high capacity, compact and economical centrifugal sifter used for screening a wide variety of powders or granular materials, including chemicals, plastics and resins, foods, dairy products, pharmaceuticals and biologicals. This equipment is the ideal choice for continuous scalping of dry or moist materials, even those that tend to ball or agglomerate as these units de-lump and de-agglomerate while screening. The Centri-Sifter Screener is also extremely effective as a liquid/solids separator.

FEATURES

- Quiet, vibration-free action
- Quick screen change: 2 minutes or less
- Easy clean-out
- Heavy duty construction for continuous operation
- Compact design
- Integral cleaning/ inspection door

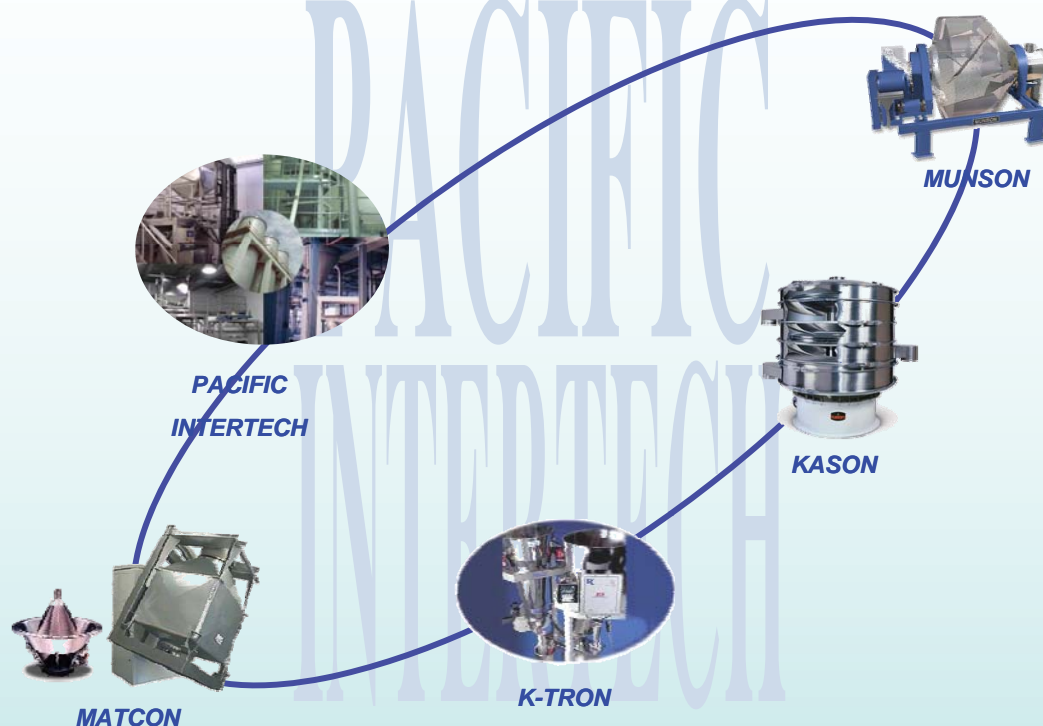
SPARE PARTS



Whatever replacement parts you require, Kason stocks abroad range of accessories and modular spare parts for any model of Circular Vibratory Screener or Centrifugal Screener.

All spare part are made of high quality material and thoroughly inspection to ensure strict quality standards.

Pacific Intertech Co., Ltd.



More Information

PACIFIC INTERTECH	: http://www.pacificintertech.com
K-TRON	: http://www.ktron.com
MATCON	: http://www.matconibc.com
KASON	: http://www.kason.com
MUNSON	: http://www.munsonmachinery.com

Sales Section

For more equipment information, please contact our sales dept.
or send your requirement to
sales@pacificintertech.com

Service Section

Our service section would provide you complete after sales service such
as service on site, service training, service contracts, and spare part.

Please contact our service div. or send your requirement to
service@pacificintertech.com