

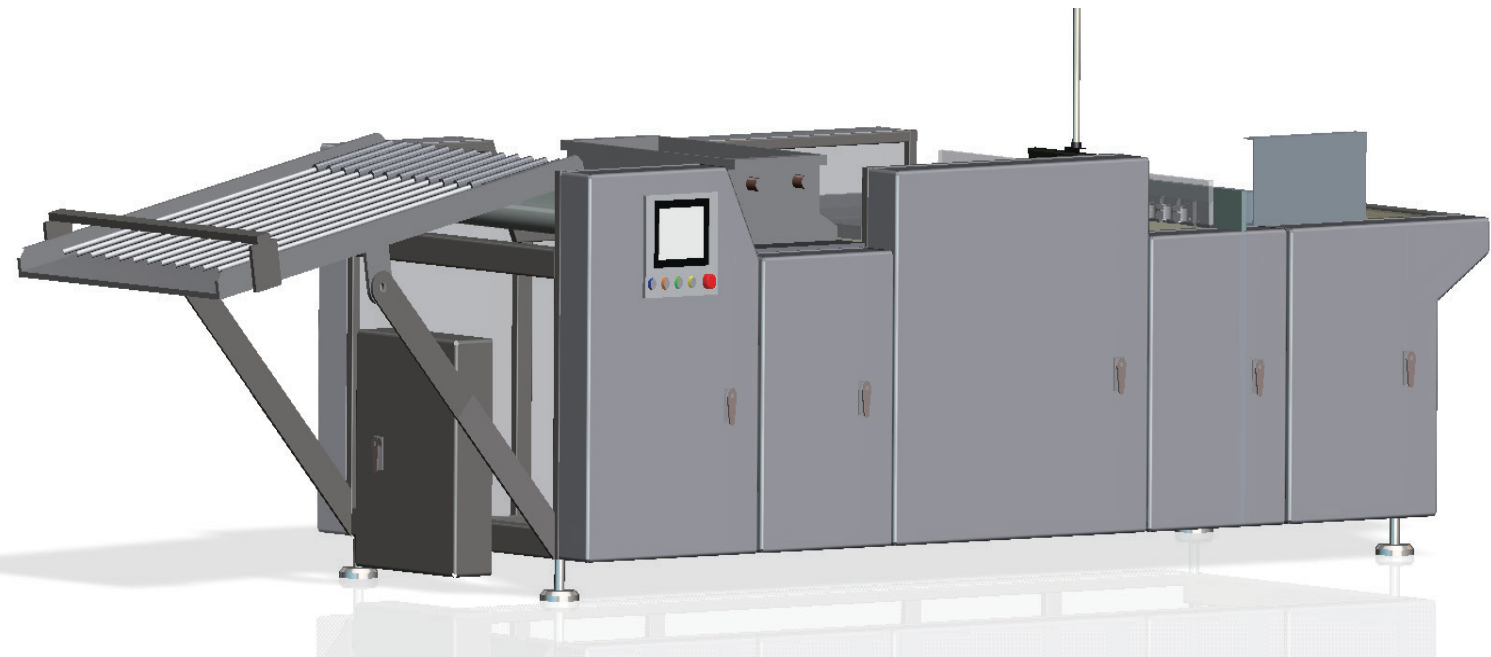
# ASAN ENG AUTOMATION SYSTEM

## ASAN Cookie Capper

The ASAN Cookie Capper is an automated machine that is placed in the pre-stage of the first cooling tunnel to perform flipping, alignment, cream depositing and capping processes by feeding a certain amount of the product when producing choco pie and sand products. It adopted the moving system with cap to perfectly perform the cream depositing and capping functions 55 times per minute, and the errors that may occur in the alignment and capping processes are minimized by combining the ASAN's know-how. In addition, it has a touch panel system so that operators can operate it easily.



▲ COOKIE CAPPER CAPPING VIEW



### • SPECIFICATIONS

Capacity	50,400ea/hr
Dimension	W 1,420 × L 4,730 × H 960
Type	One Head Capper & Two Heads Capper Option : 12 columns & 14 columns & 16 columns
Capping Speed	Max' 60 stroke/min

### ASAN ENG Co., Ltd. is

ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

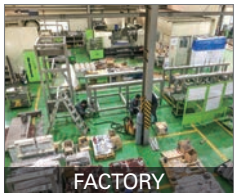
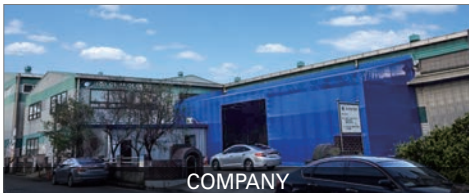
We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)

**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)

**Web-site** [www.asaneng.net](http://www.asaneng.net)



[www.asaneng.net](http://www.asaneng.net)

# AUTOMATION SYSTEM

COOKIE CAPPER / FEEDING / ROTARY CUTTING  
/ ROTARY MOULDER / DIRECT CUTTING



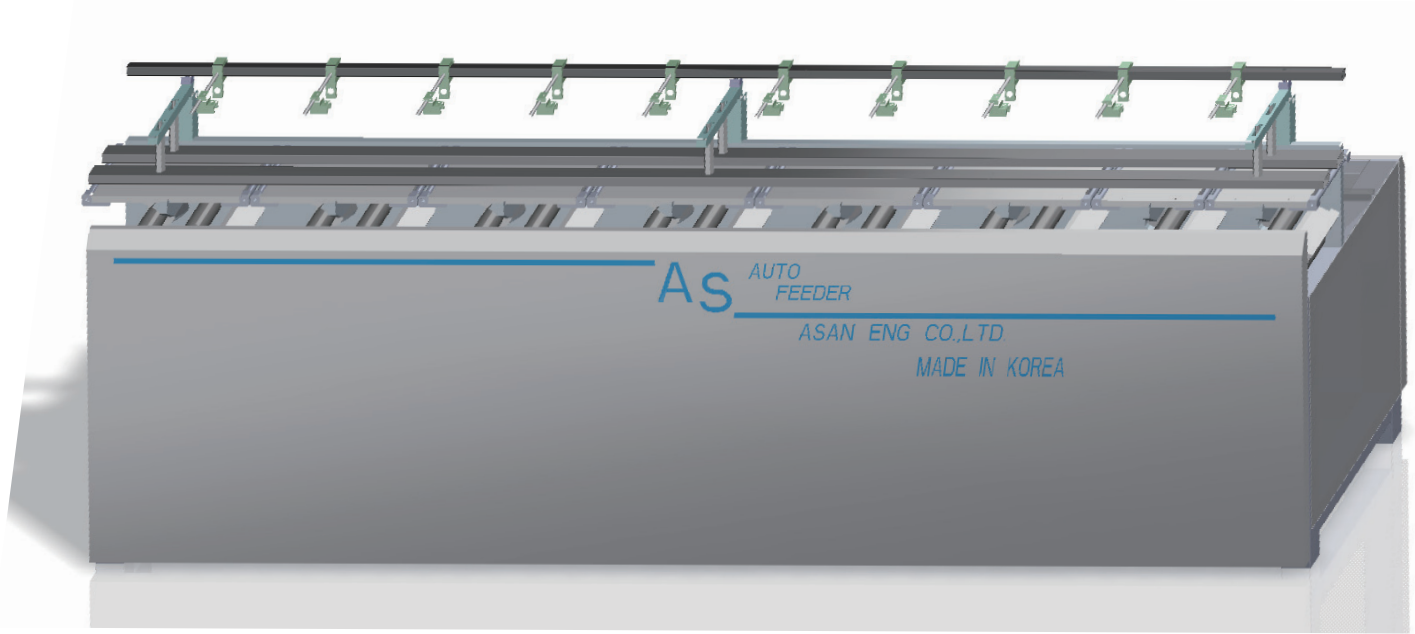
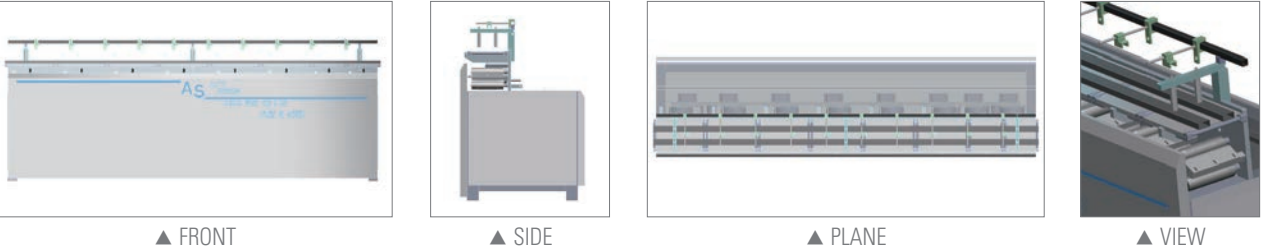


ASAN ENG

# AUTOMATION SYSTEM

ASAN Auto Feeding System

The ASAN Auto Feeding System is a facility that has the capability to transport up to 1,200 products per minute. It is possible to manufacture additional equipment in the front and rear process so that it can sort from one row to multiple rows depending on the customer's needs. In addition, it has the function of sorting and then supplying the aligned products regularly by the required quantity. The ASAN Feeding System has the confidence that it is not lagging behind other competitors in precision, based on accumulated know-how for 20 years.



• SPECIFICATIONS

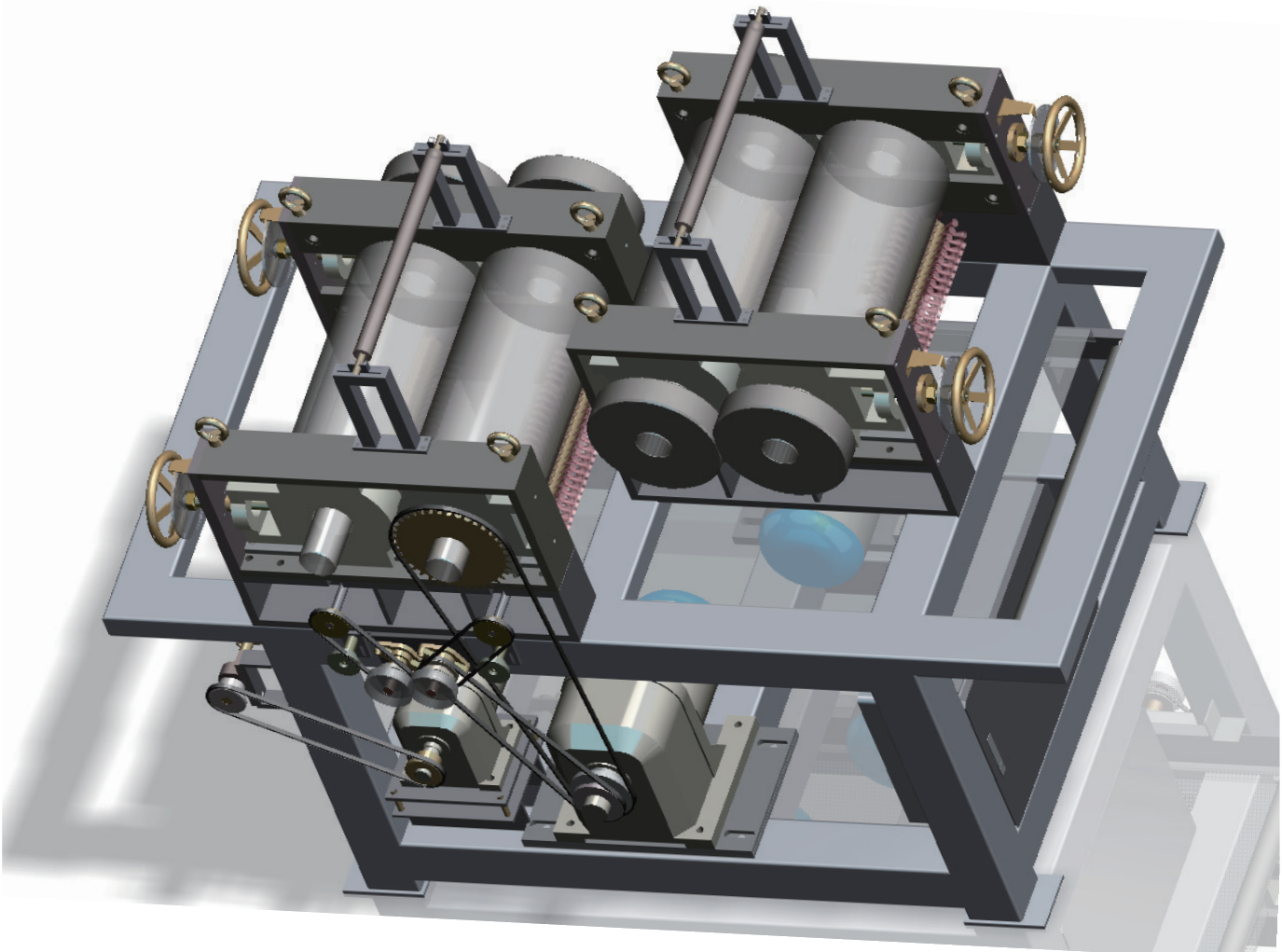
Capacity	Max' 1,200ea/min
Wrap Type	Pack one by one & pack two by two
Dimension	W 1,420 × L 15,000 × H 900

ASAN ENG

# AUTOMATION SYSTEM

ASAN Rotary Cutting Machine

The ASAN Rotary Cutting Machine is divided into biscuit only and snack only, and each equipment provides precise product design and dough shape. This machine is designed to produce many products through two rollers at the same time. It is the specially coated equipment manufactured by the ASAN's precision processing technology. It is designed to be no deflection between the two rollers, customers can cut the exact size and shape they want. The head cutter can also be supplied after it is produced by itself according to cutting shapes desired by the customers.

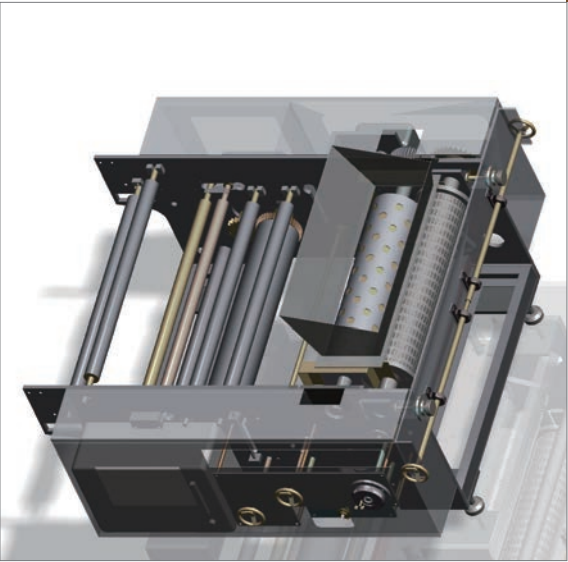


• SPECIFICATIONS

Capacity	400kg ~ 800kg/hr
Dimension	W 2,088 × L 2,200 × H 1,425
Line Speed	4 ~ 8m/min (Inverter Control)
Sheet Width	800w ~ 1,000w

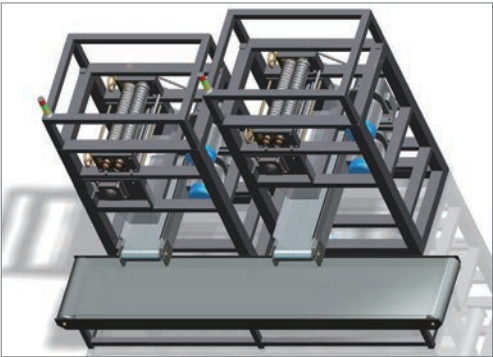
ASAN Rotary Moulder

The ASAN Rotary Moulder is designed to be user-friendly so that it can easily produce products with a specification desired by customers, with their excellent performance. The ASAN Moulder ensures the hygiene and accuracy of higher standards than other competitive products with regard to the production of cookies, biscuits and pet foods. The ASAN provides precisely processed products of rotary moulders, rotary cutters, etc. by using the latest technologies such as CAD/CAM and CNC machines. In addition, we have hundreds of biscuit & cookie production molds in database.



• SPECIFICATIONS

Capacity	400kg ~ 700kg/hr Possible Molding Thickness : 1.8t ~ 10t
Dimension	W 2,088 × L 2,200 × H 1,425
Line Speed	4 ~ 7m/min (Inverter Control)
Belt Width	800w / 1000w / 1200w



ASAN Snack Direct Cutting Machine

The ASAN Snack Direct Cutting Machine is the equipment used when forming pellets with unique shapes. It is a machine capable of one-step cutting through the twin molds designed and manufactured by the ASAN's precision processing technology. It is designed to be controlled fully automatically by the HMI display and PLC to suit the smart factory.

• SPECIFICATIONS

Capacity	400kg ~ 800kg/hr
Dimension	W 1200 × L 2200 × H 1700
Line Speed	10 ~ 20 m/min
Belt Width	W 450 ~ 900 (Selectable)

“Production automation and smart factory consulting possible”



**ASAN ENG Co., Ltd. is**

ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)  
**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)  
**Web-site** www.asaneng.net

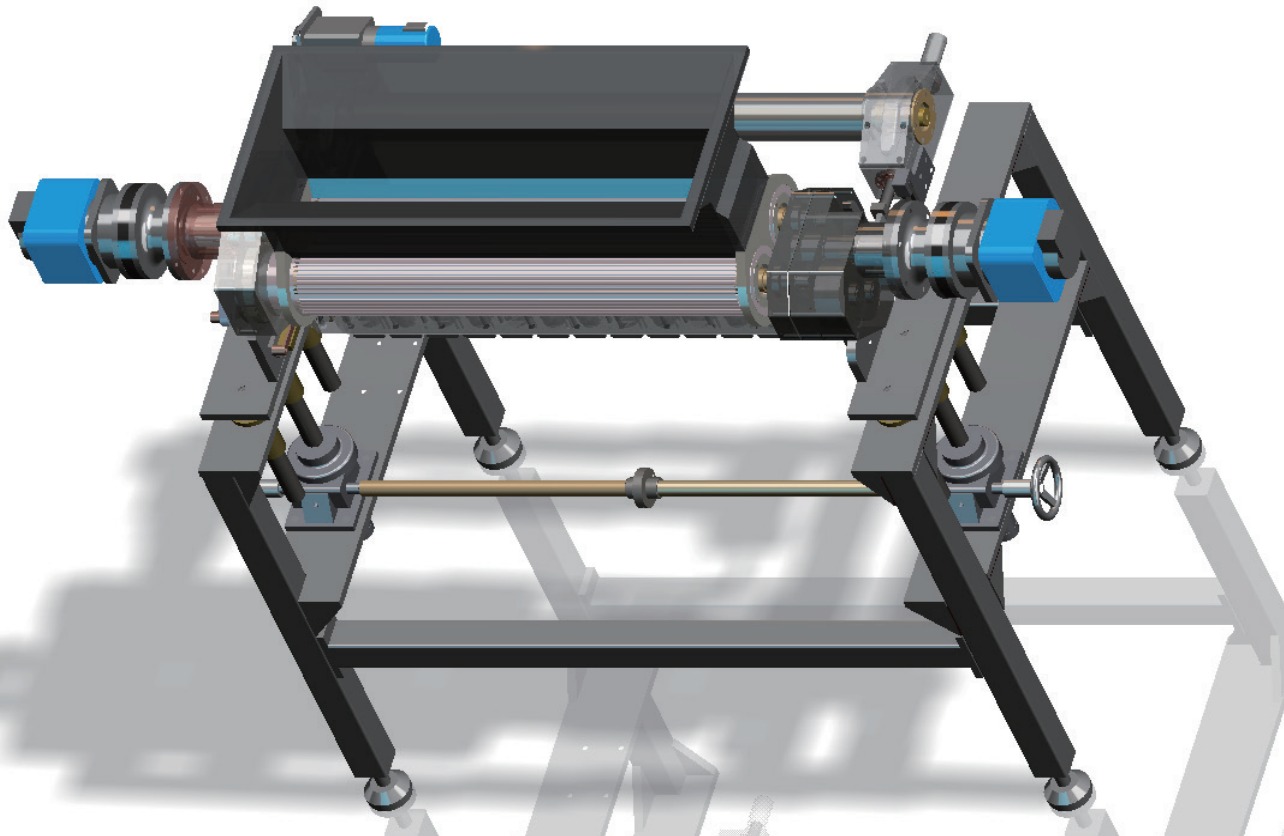
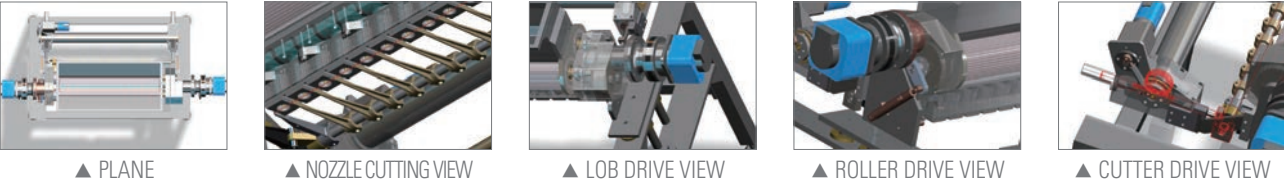




# ASAN ENG DEPOSITORS

## ASAN Cake Depositor

The ASAN Cake Depositor is a machine that makes cookies by extruding dough, such as cake, by a certain amount through a guide roller and then by the wire cutting of them to the necessary shape and size(weight). It is possible to precisely process rollers and various parts by using a machining center which is the strength of ASAN, which makes it available to provide products at a reasonable price compared to other companies. It can also provide Depositor facilities and solutions according to the needs of customers, based on its experience in making soft cake and cookie Depositors under various conditions.



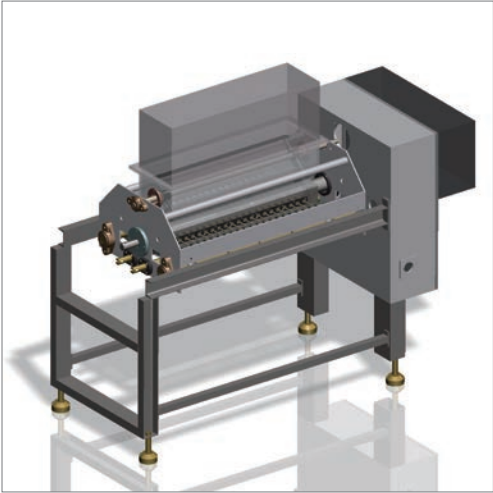
### • SPECIFICATIONS

Capacity	650 ~ 1300kg/hr
Type	One Head Depositor / Two Head Depositor Option : 12column, 14column, 16column
Wire Cut Speed	Max 120 stroke / min
Control	Touch Panel, PLC

## ASAN Jam & Jelly Depositor

The ASAN Jam & Jelly Depositor is the equipment that simultaneously fills a small amount of jam to multiple lines and supplies its dosing to molds. The ASAN has the know-how to control physical properties with a sophisticated processing ability to produce the equipment. The equipment can control the suction nozzle by the touch panel so that the supply amount can be adjusted conveniently. In addition, it is a product designed to be easy for CIP, leading to a high level of customer satisfaction.

Option : Center-fill products & two layer products are also available.

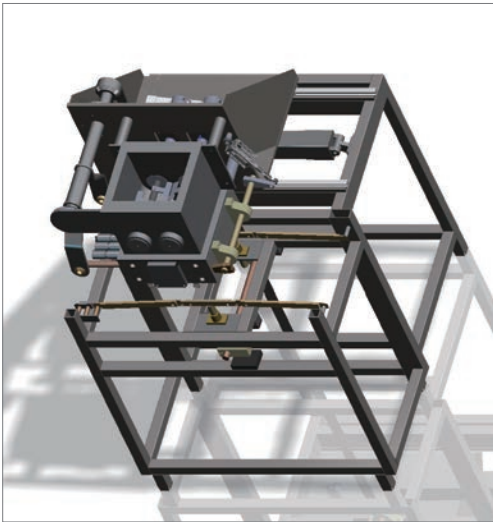


### • SPECIFICATIONS

Capacity	300kg ~ 500kg (Customer order specification)
Jam or Jelly Mass	2g ~ 7g (Customer order specification)
Nozzle	Customer order specification

## ASAN Choco Depositor

The ASAN Choco Depositor is a universal Depositor that can be manufactured in various types to meet customer's demand. It is a machine that uses the flow of the chocolate itself to fill its dosing to multiple lines while passing through several steps of nozzle plates and then supplies it to molds. When producing products such as chocolate, temperature conditions are important, so it is designed to use the hot water circulating system. It is also the ASAN's specialized Depositor that can fill products with a variety of shapes or colors in a single Depositor if necessary.



### • SPECIFICATIONS

Capacity	200kg/hr ~ 1000kg/hr
Choco Mass	10g ~ 30g
Nozzle	Customer order specification

"Producing customized Depositor according to product characteristics"

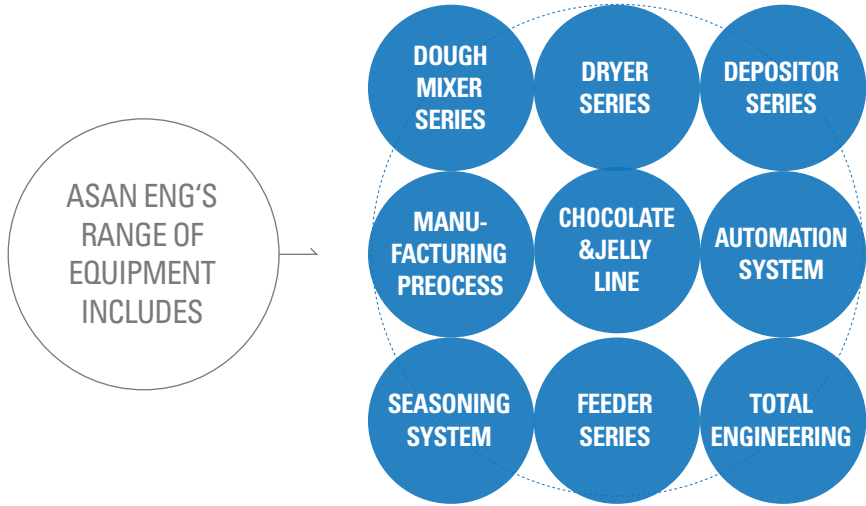


**ASAN ENG Co., Ltd. is**

ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)  
**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)  
**Web-site** www.asaneng.net





# ASAN ENG

## DOUGH MIXER SERIES

### ASAN Dough Mixer (ADM Series)

The ADM series is designed to produce biscuit dough and cream with uniform quality. The capacity of the mixer can be manufactured from 100kg to 700kg according to customers’ desired capacity. Mixed blades can be produced with uniform quality by controlling the desired RPM as well as forward & reverse direction freely. The memory operation function is added by controlling the speed of the inverter installed in the mixer and utilizing the touch panel control system. In addition, it is designed to automate processes by adopting the HMI system. ADM is designed to be compatible with the automated supply system of powder ingredients and additives according to customers’ choice and provides the necessary accessories for the automation.



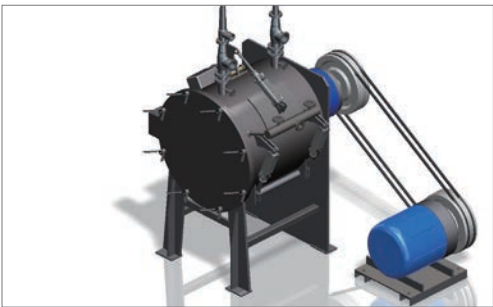
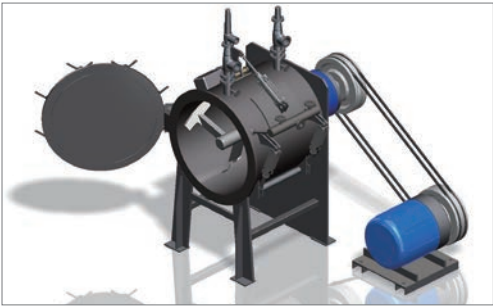
#### • SPECIFICATIONS

Capacity	100kg	200kg	300kg	400kg	500kg	700kg
Power	11.25kw	18.75kw	37.5kw	55kw	55kw	75kw
Tilting Angle	Max 120degree					
Control	60 ~ 140 rpm/min , Inverter Control					

“Completely blending automatable with 20 years of know-how aggregate”

### ASAN Steam Mixer

The ASAN Steam Mixer is designed to make it easy to feed main and supplementary materials for the production of snacks through its compact design. It is applied with our unique know-how that enables mixing by using direct steam. This makes it available to shorten the mixing time and produce products with uniform quality. In addition, its own steam sealing technology(patent application) helps minimize the amount of waste by the escape of steam. It is designed not only for the discharge of the product, but also for easy cleaning even after the end of production.



#### • SPECIFICATIONS

Capacity	150kg / batch
Steam Power	Adjustable from 0 bar to 3 bar (Varies by product characteristics)
Control	Touch Screen / HMI

### ASAN Powder Pre Mixer

The ASAN Powder Pre Mixer is the equipment premixing main materials and supplementary materials(powder). This mixer is equipped with a specially designed impeller to optimize the stirring effect. Its compact size minimizes space costs, and at the same time makes its operation and running simple, so that first-time users can use it easily. It is designed to be installed and used together with the ADM series and to maximize the automated mixing effect(smart factory).



#### • SPECIFICATIONS

Capacity	150kg / batch
Control	15kw

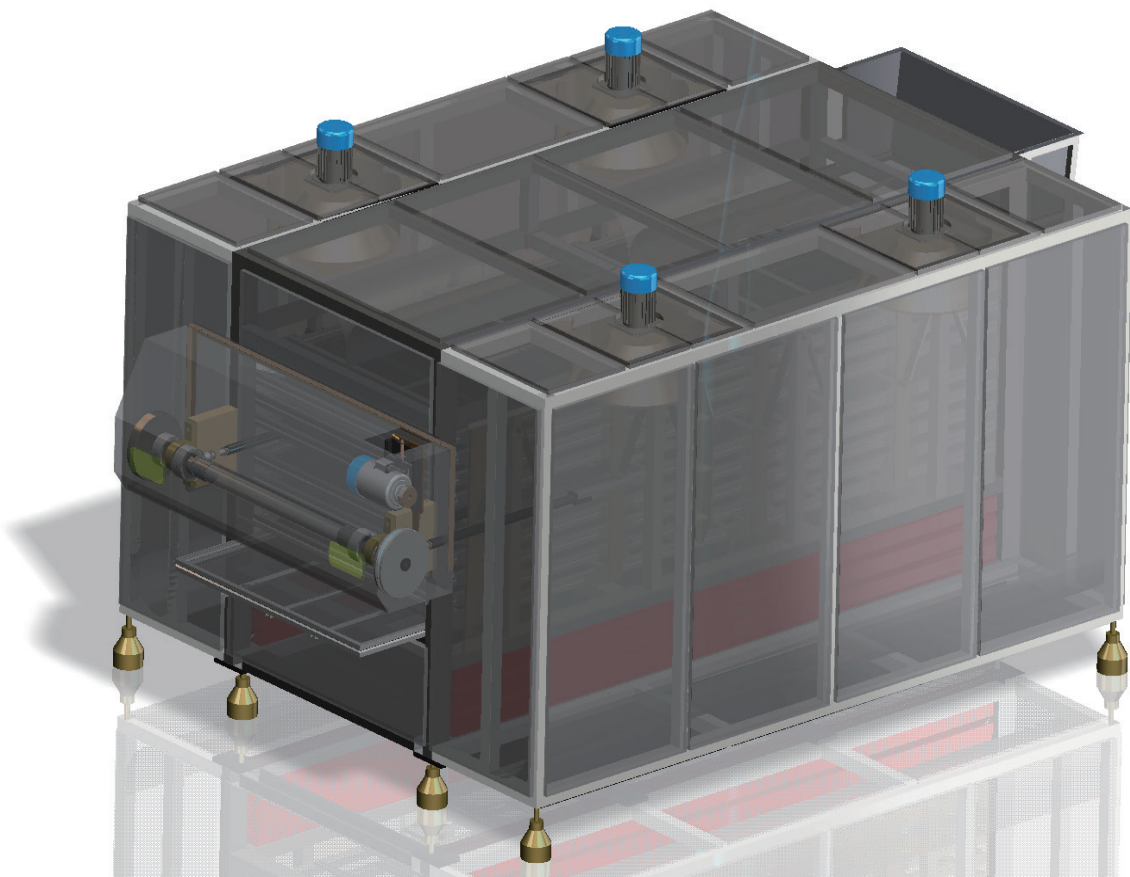


ASAN ENG

# DRYER SERIES

ASAN Shaking Pre Dryer

ASAN Shaking Pre Dryer is a device applied with the principles of kinematics, serving to dry fried products such as food and snacks in the state of pellets before frying them. This dryer has the function of forcibly circulating and drying the heat source of the steam unit through the fan in order to maximize, in particular, the drying effect. Another feature is that it is an innovative dryer that performs the function of making the quality of the product uniform through maintaining a certain amount of moisture by shaking the product using the mesh to allow the heat source to be evenly distributed. This model is made in the form of assembling bodies separated with 3 pieces to reduce packaging and transportation costs. It is designed that the Main Body and Side Body are easy to assemble and separate. (Remarks: Hot water and steam can be used as heat sources.)



• SPECIFICATIONS

Capacity	400 ~ 800Kg/hr, Holding Time : 7 ~ 15min
Type	Steam Heating Dryer (steam or water selectable)
Moisture Content	Out Let : 15%, Temperature : 70 ~ 110℃
Special Order	Jumbo Size Shaking Dryer Production possible

ASAN ENG Co., Ltd. is

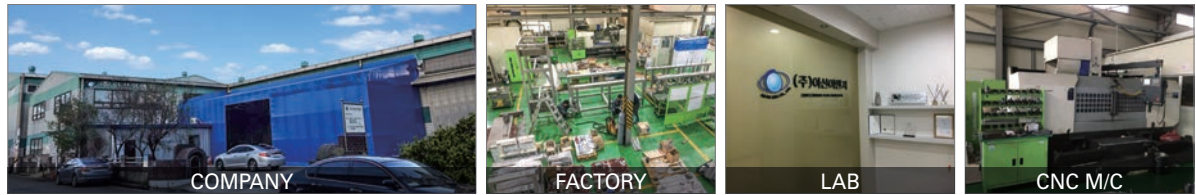
ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)  
**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)  
**Web-site** [www.asaneng.net](http://www.asaneng.net)



[www.asaneng.net](http://www.asaneng.net)

# SNACK DRYER

SHAKING / SPECIAL / PELLET / SYRUP COATING



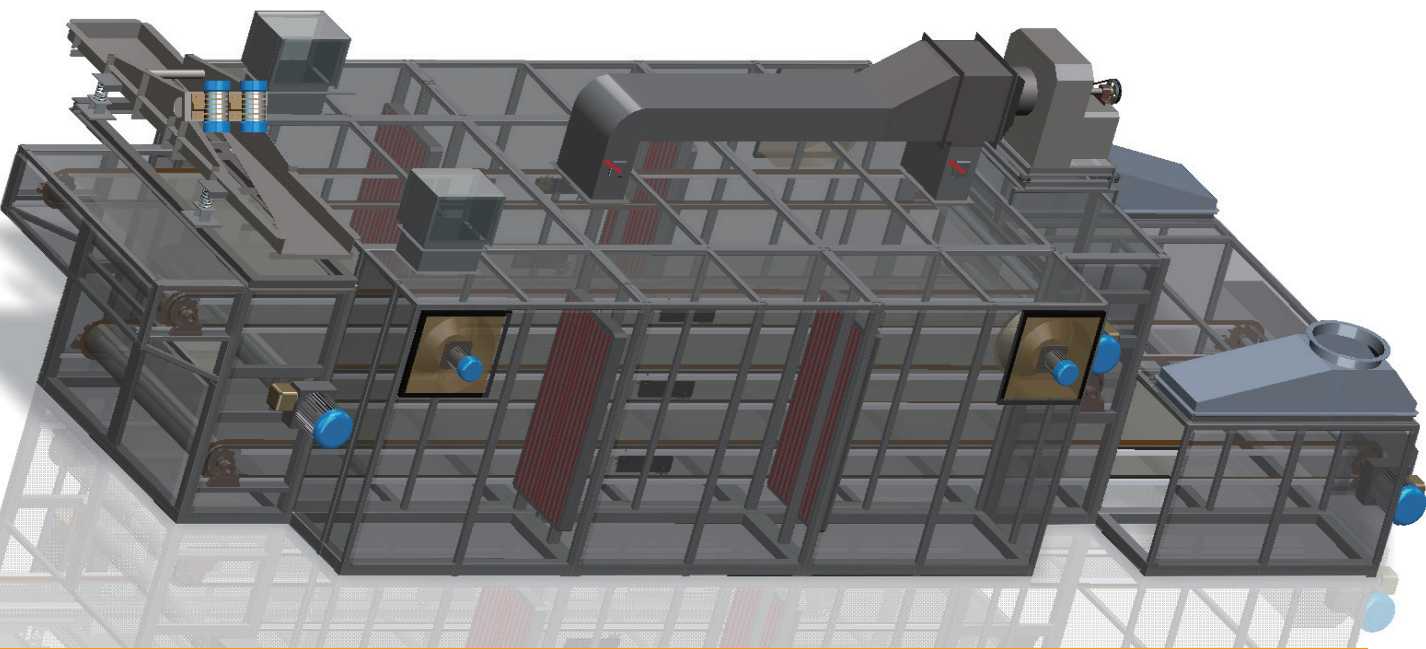
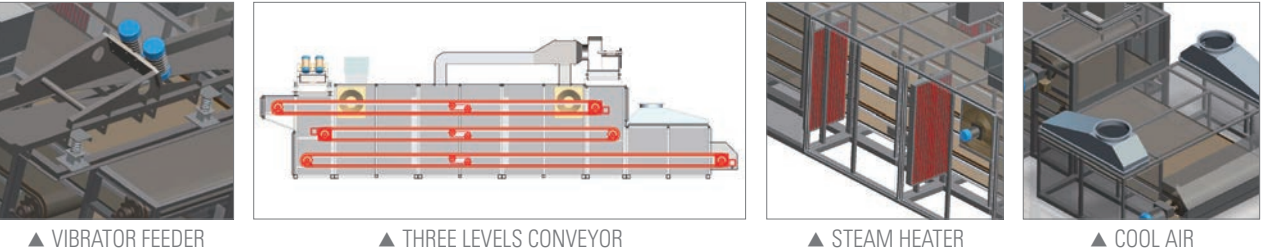


ASAN ENG  
DRYER SERIES

ASAN Special Dryer

ASAN Special Dryer is a mesh-type dryer that makes it available to slowly remove a certain amount of moisture in the first place because if the moisture of the pellet is removed at a time, the characteristics of the product can't be maintained. Inside the dryer, kinematic principle based on ASAN's accumulated know-how is applied to remove moisture in accordance with customer's demand. In addition, a complete air circulation system is incorporated into the design to precisely eliminate the amount of water required by the customer. The last feature is low utility cost and easy operation.

- Depending on the type and characteristics of the finished product, this dryer can be used for commercialization.



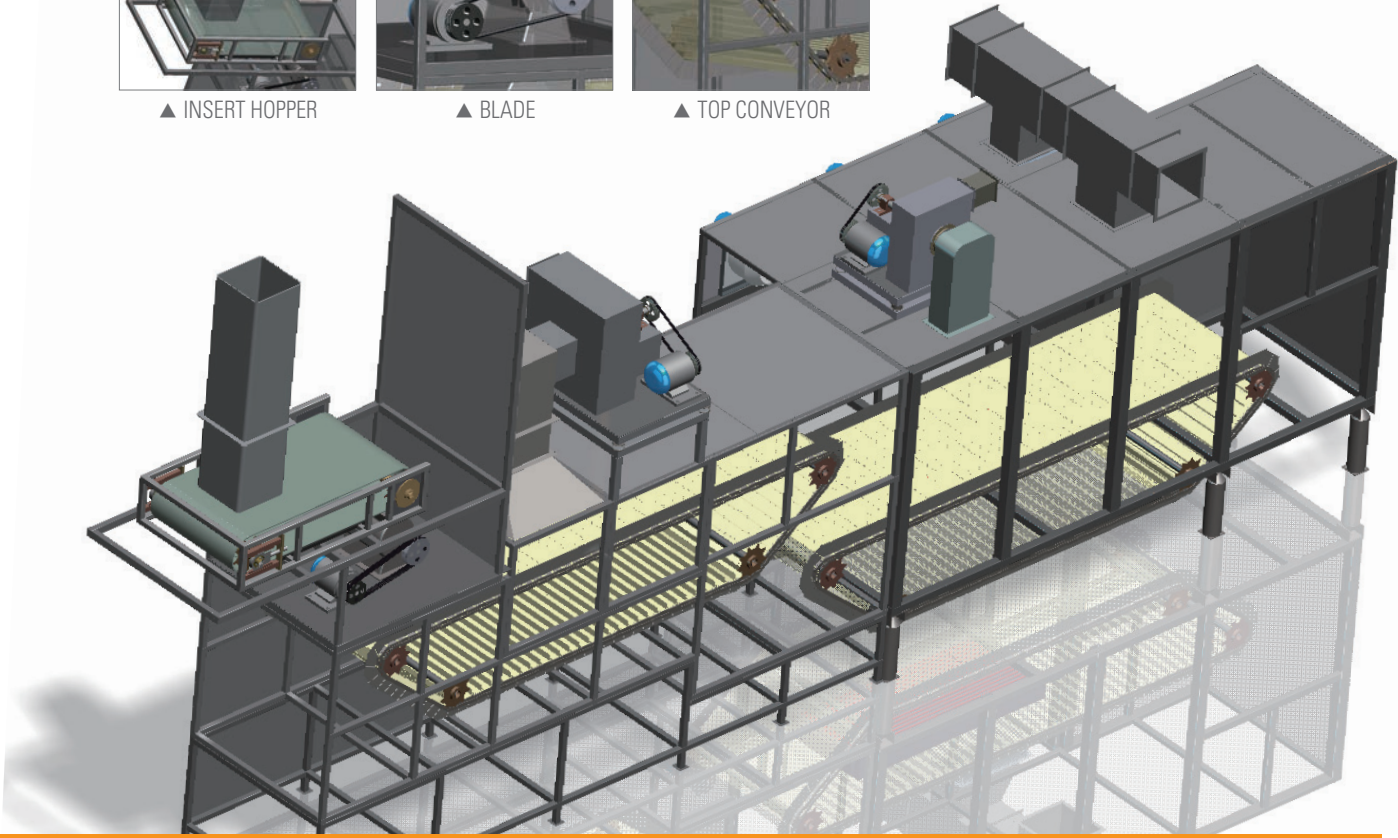
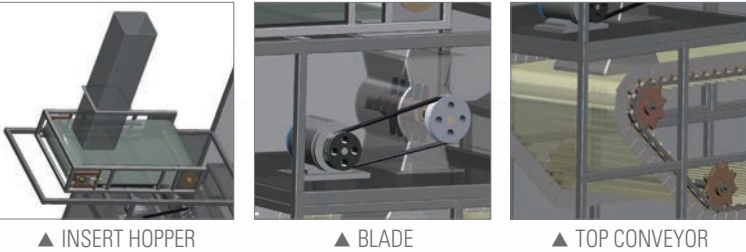
• SPECIFICATIONS

Capacity	600kg/hr, Holding Time : 7 ~ 15min
Type	Steam Heating Dryer (steam or water selectable)
Moisture Content	Out Let : 15%, Temperature : 70 ~ 110°C
Electrical requirements	12.7kw (220/380v*3p)

ASAN ENG  
DRYER SERIES

ASAN Pallet Dryer (Special Type)

The ASAN Pallet Dryer is a special-type dryer designed to dry pellets with a large amount of water and unique shape. It is specially manufactured by applying a caterpillar system to uniformly dry the pellets. In addition, the perfect air-conditioning system using the ASAN's know-how circulates the air to produce goods in optimum conditions. It is a singly dryer that primary and secondary driers are integrated, and facilities can be easily operated by controlling all operations in the central control panel.



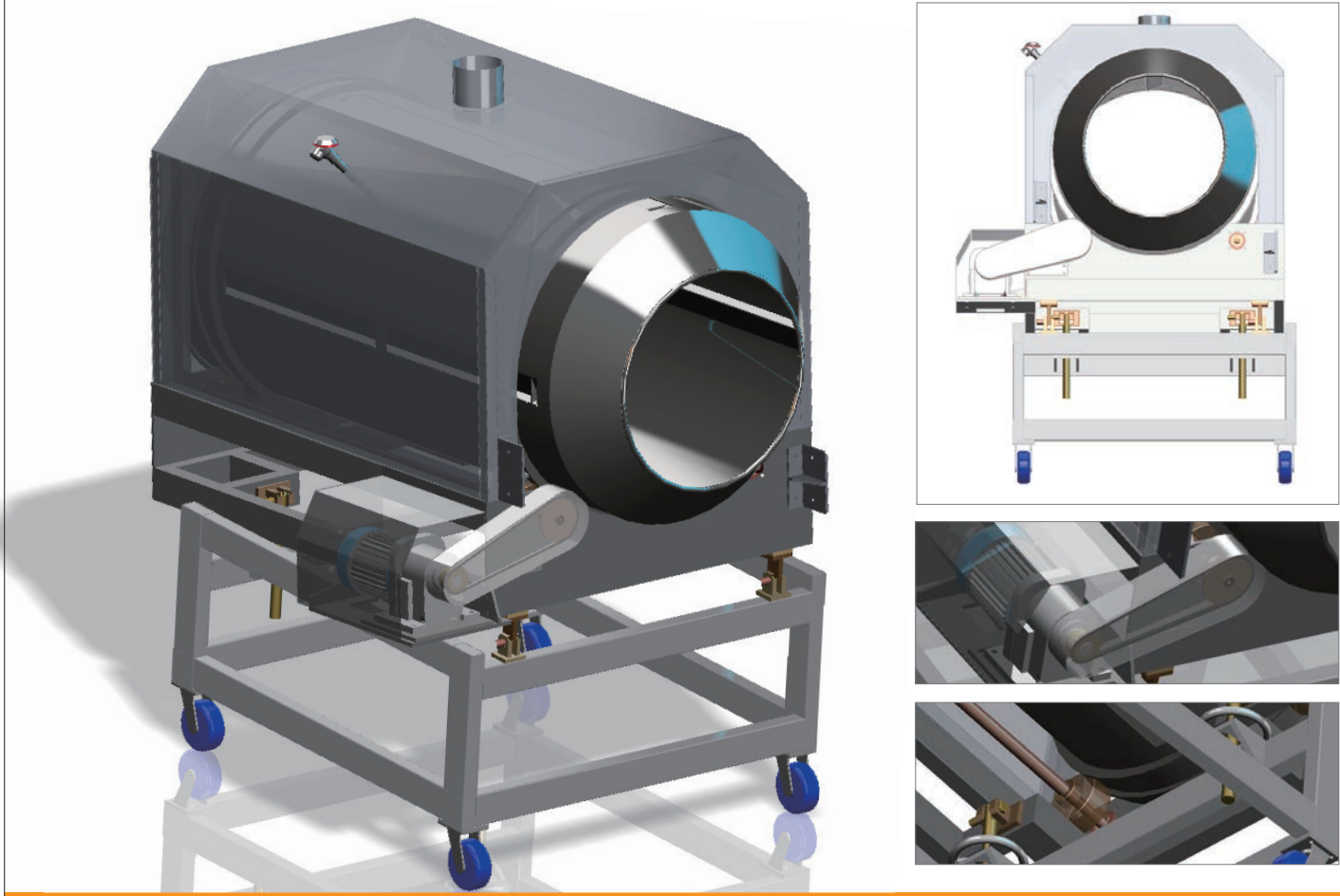
• SPECIFICATIONS

Capacity	750kg/hr, Holding Time : 25 ~ 120 min
Type	Steam Heating Dryer
Moisture Content	Out Let : 11%, Temperature : 90 ~ 135°C
Electrical requirements	45kw (220/380v*3p)

ASAN ENG  
DRYER SERIES

ASAN Syrup Coating Machine

The ASAN Syrup Coating Machine is a device that allows the dosing of syrup or sugar solution to be uniformly coated on the product, as well as a device that used to make a smart factory. This device is designed to allow syrup to be coated and then dried immediately with the ASAN's know-how for a dryer. The coating amount of the product can be freely adjusted by changing the structure of the baffle inside the tumbler. The angle and quantity of the baffle vary depending on the product that the customers require. It is designed to be simple to operate so that it makes it easy for unskilled workers to use, and it is manufactured to be convenient to move.



• SPECIFICATIONS

Dimension	W 1200 × L 2500 × H 1700
Power	15kwh * 220/380v * 60/50Hz
Accessories	Syrup Nozzle (1) / Gas Heater (1) / Exhaust Duct (1) C.I.P Device (1)
Control	Inverter Control / Drive Motor / Spray Nozzle / Gas Regulator / Temperature Controller / Exhaust Fan



**ASAN ENG Co., Ltd. is**

ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)  
**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)  
**Web-site** www.asaneng.net



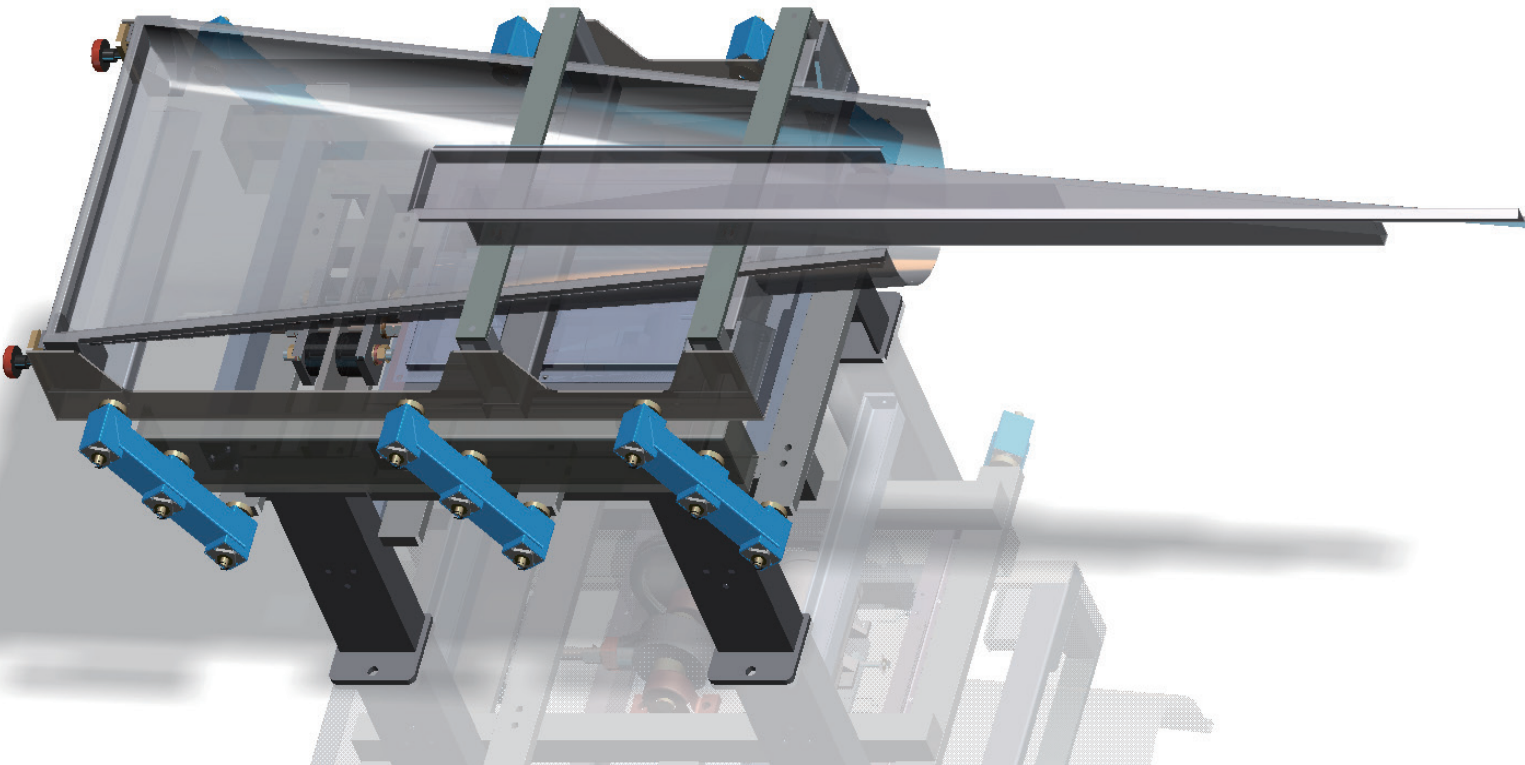
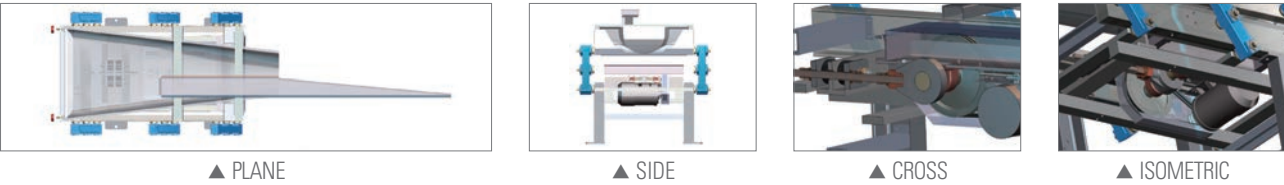


# ASAN ENG

## FEEDER SERIES

### ASAN Scarf Balance Feeder

ASAN Scarf Balance Feeder is a facility that simultaneously delivers the produced snack product and powder seasoning to a tumble or other facility. The tray part at the top of the equipment is easily detachable and easy to clean. Also, if you change the tray part to a mash type tray, it is designed to be used for distinguishing defective and genuine products. It is designed to be easy to use for first time users and is designed to achieve the purpose of process automation.

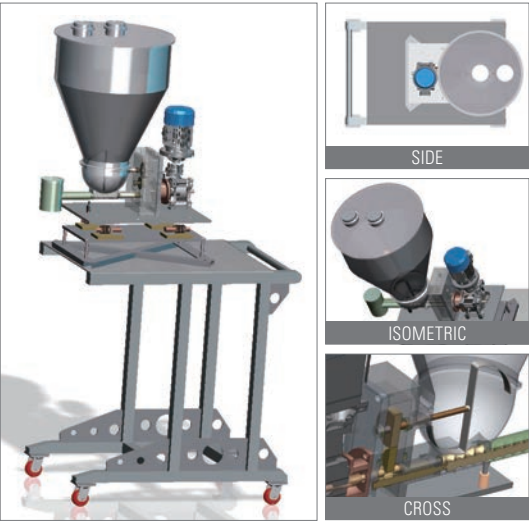


#### • SPECIFICATIONS

Feed Rate	Scarf Feeder - Max 120kg/hr Balance Feeder - Max 800kg/hr
Motor Power	1.5kw
Dimension	L 2957 × W 970 × H 980
Control	Inverter

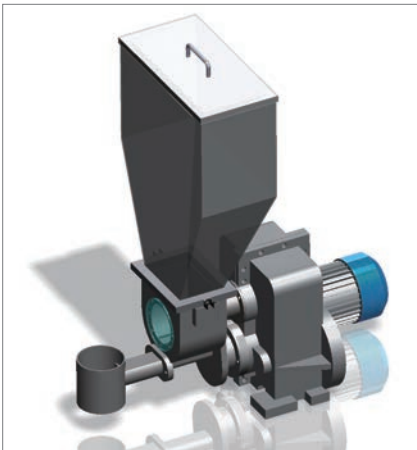
### ASAN Loss In Weight Feeder

ASAN Loss In Weight Feeder is designed to check the feed flow of the hopper so that the raw material can be discharged at a fixed set rate, and at the same time control the speed of the motor compared to the set flow rate. It is the most precise feeder equipment manufactured by ASAN. Single screw type and twin screw type can be manufactured. Hopper size can also be changed according to customer's request. This facility can be applied to mixing automation and seasoning system to achieve the purpose of process automation.



#### • SPECIFICATIONS

Feed Rate	Max 120kg/hr
Type	Screw Type (Single Screw, Twin Screw)
Dimension	L 1180 × W 670 × H 2210
Hopper	40Liters (changed by customer request)
Control	Touch Panel



### ASAN Dosing Feeder

The ASAN Dosing Feeder is the equipment that is installed in each mixer product so that it feeds ingredients automatically. Powder ingredients can be precisely fed in desired amount at desired time by using the ASAN's 'Twin Screw' technology. In addition, it is designed and manufactured to be compact so that it can be mounted on various machines.

Applicable machines : Tumbler-type coating equipment, Dough Mixer automatic feeding process, various seasoning equipment, etc.

\*If customers want, single screw products can be supplied.

#### • SPECIFICATIONS

Capacity	Max 120kg/hr
Type	Twin Screw / Single Crew (Selectable)
Hopper	40Liters
Control	Inverter, Load cell system

"We can  
provide  
total solution"

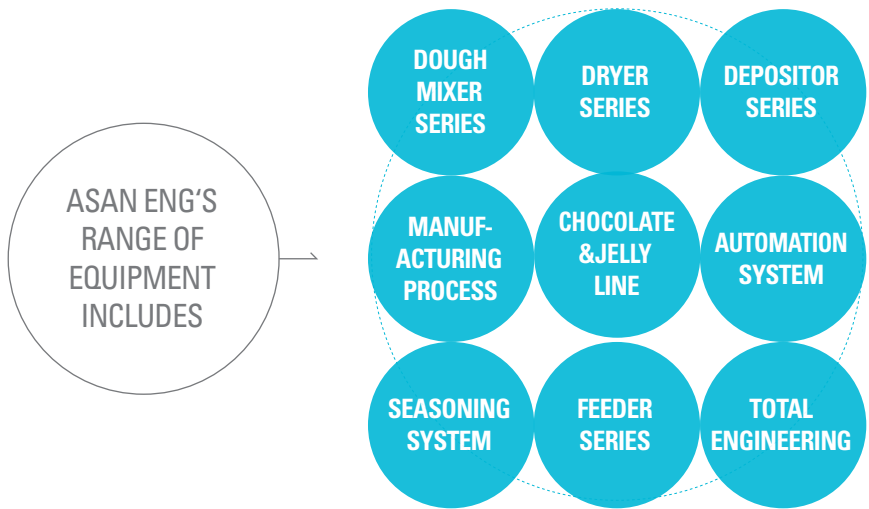


**ASAN ENG Co., Ltd. is**

ASAN ENG Co., Ltd. established a company in September 1995.

We have accumulated various experiences and technologies while manufacturing mixing equipment, molding equipment and drying equipment of biscuit / snack / chocolate / ice cream manufacturing line.

We have continued to invest in design and research by having CNC machining center for precise and prompt service. (Establishment of research department in October, 2014) We have also established ASAN facilities in Jinshan Industrial Park, Shanghai, China, and are expanding the physical and human infrastructure for the development of China and Southeast Asian markets. We will continue to devote ourselves to the development of new technologies, and will do our best to create mutual benefits with trusting management philosophy.

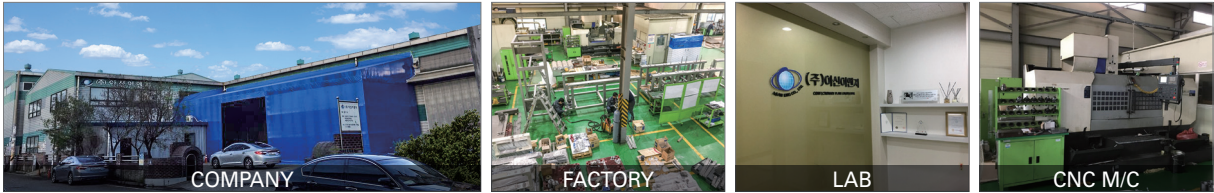


# SEASONING SYSTEMS

OIL SPRAYER / SEASONING / SYRUP COATING / DOSING



**Address** 43, Gongdan 2-daero 318beon-gil, Siheung-si, Gyeonggi-do, Korea (15115)  
**Laboratory** #909 ACE Techno Tower 10, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (08502)  
**Web-site** www.asaneng.net



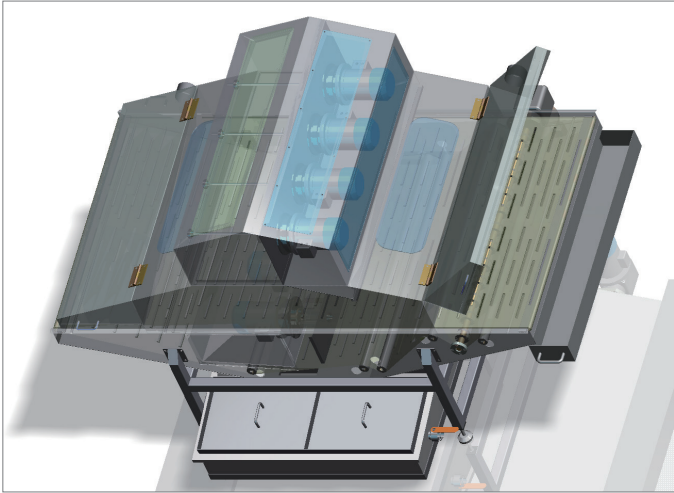


# ASAN ENG

## SEASONING SYSTEM

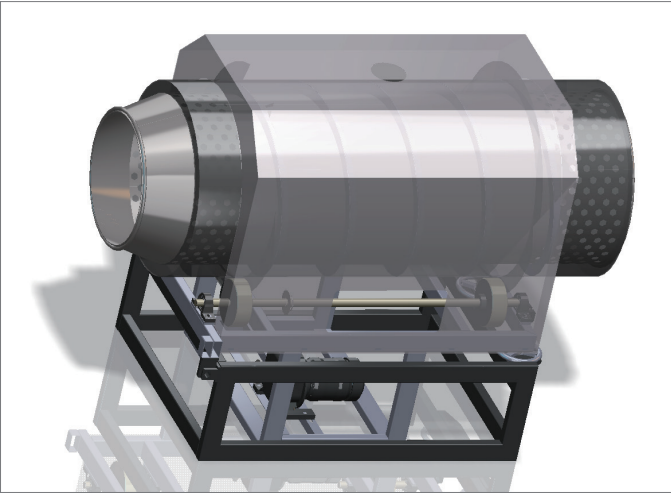
### ASAN Oil Spray Machine

The ASAN Oil Spray Machine is the equipment that is installed in the front stage of seasoning system equipment to evenly coat seasoning ingredients to the product. The advantage of the ASAN Oil Spray that the nozzles that sprays oil evenly are specially manufactured to increase the degree of precision, and that the cover is installed on both sides to prevent scattering. It is the equipment designed to be operated easily by PLC by designing oil circulation tank, pump and pipe as one body.



#### • SPECIFICATIONS

Dimension	W (Net 1000~1200) × L 2400 × H 1600
Power	12kwh * 220/380V * 60/50Hz
Air Consumption	Dust Collector (2.2kwh)
Control	Inverter



### ASAN Seasoning System

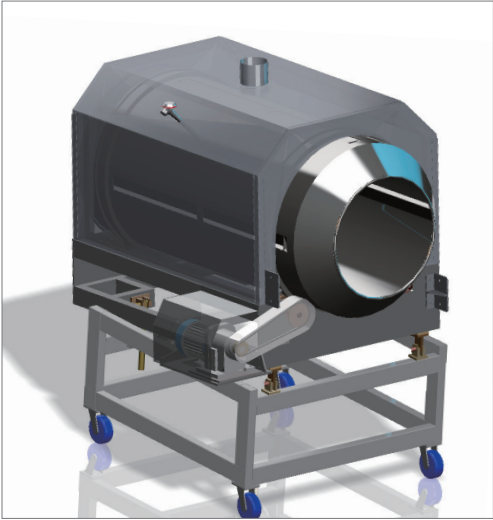
The ASAN Seasoning System is the equipment that improves the taste of the product by spraying the seasoning ingredients(powder) required for each product after oil spraying. In order to spray the ingredients more evenly, the angle and quantity of the baffle are designed and supplied by the ASAN's unique know-how depending on the characteristics of finished products. It can be used as one body by being interlocked with the ASAN Dosing Feeder, as well as the ASAN Oil Sprayer which is a pre-step process.

#### • SPECIFICATIONS

Dimension	W 1200 × L 2500 × H 1500 Drum : Φ600 ~ Φ950
Steam Pressure	15A × 0.7bar
Vacuum Feeder	V-Teck Feeder (5 ~ 20kg/hr)
Control	Inverter Control

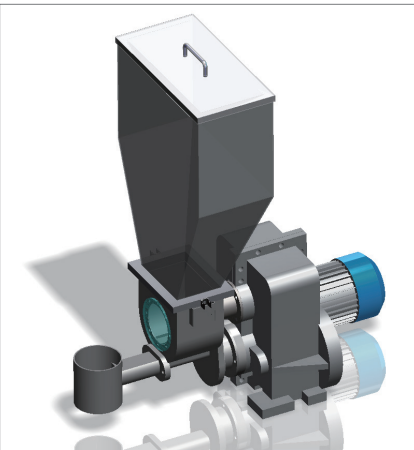
### ASAN Syrup Coating Machine

The ASAN Syrup Coating Machine is the equipment that allows the dosing of syrup or sugar solution to be uniformly coated on the product, and is the equipment that can help build a smart factory. This machine is designed to make it available for syrup to be coated and then dried immediately with the ASAN's know-how for dryers. The coating amount of the product can be freely adjusted by changing the structure of the baffle inside the tumbler. The angle and quantity of the baffle vary depending on the product customers require. It is designed to be simple to operate so that it is easy for unskilled workers to use, and it is manufactured to be convenient to move.



#### • SPECIFICATIONS

Dimension	W 1200 × L 2500 × H 1700
Power	15kwh * 220/380v * 60/50Hz
Accessories	Syrup Nozzle (1) / Gas Heater (1) / Exhaust Duct (1) C.I.P Device (1)
Control	Inverter Control / Drive Motor / Spray Nozzle / Gas Regulator / Temperature Controller / Exhaust Fan



### ASAN Dosing Feeder

The ASAN Dosing Feeder is the equipment that is installed in each mixer product so that it feeds ingredients automatically. Powder ingredients can be precisely fed in desired amount at desired time by using the ASAN's 'Twin Screw' technology. In addition, it is designed and manufactured to be compact so that it can be mounted on various machines.

Applicable machines : Tumbler-type coating equipment, Dough Mixer automatic feeding process, various seasoning equipment, etc.

\*If customers want, single screw products can be supplied.

#### • SPECIFICATIONS

Capacity	10 ~ 120 kg/hr
Type	Twin Screw / Single Crew (Selectable)Loss In Weight Feeder
Hopper	40Lit
Control	Inverter, Load cell system

"We can provide total solution for seasoning process"