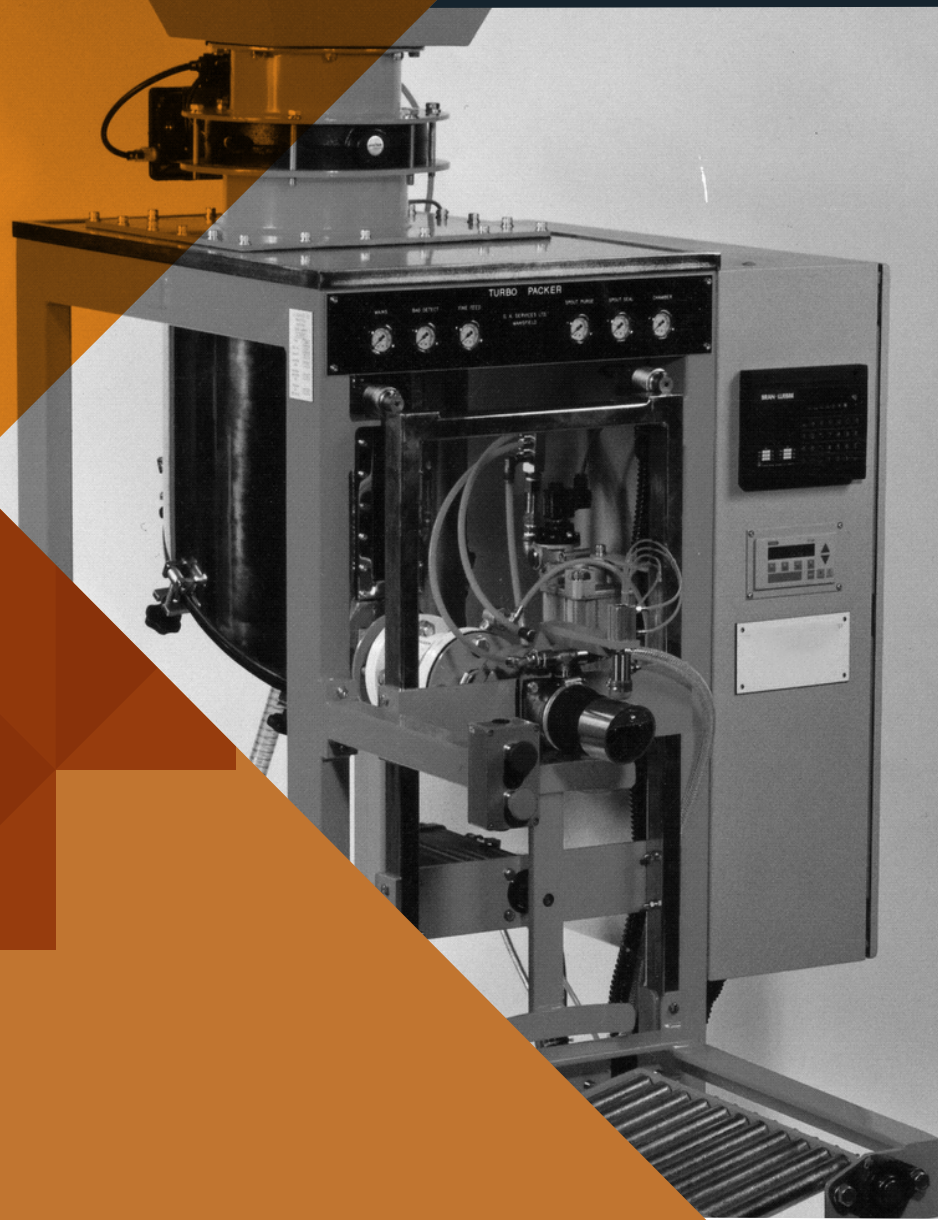
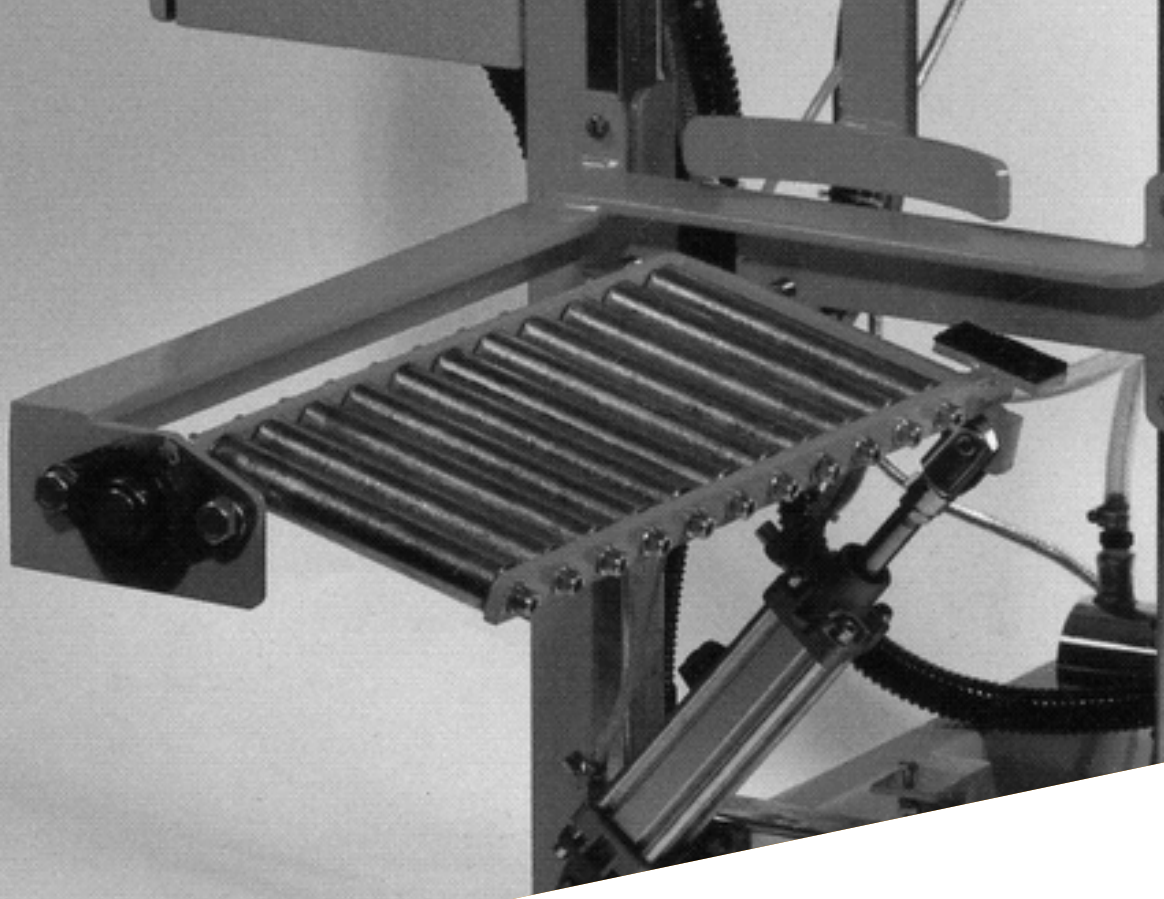


# AUTOPAK

## MACHINERY LTD

SPECIALISTS IN BAG FILLING MACHINES





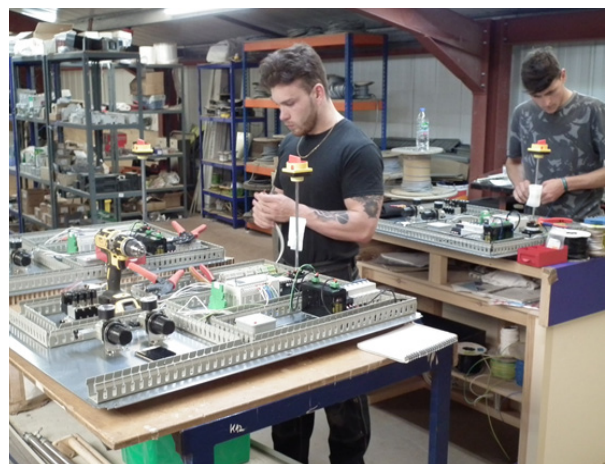
## ABOUT US

**Autopak Machinery are leading designers and manufacturers of bag filling and handling equipment based in Nottinghamshire, United Kingdom.**

With more than 20 years experience in the industry we know how to deliver results at an affordable price. With the latest technology and expertise of our in-house design and engineering team, we are able to accurately plan and design each of our machines to suit our customer's bespoke requirements.

We have always worked on the premise that our customers will only come back if high quality equipment and excellent after sales service are supplied.

This simple philosophy combined with investment in training and development enables Autopak to be at the forefront of the packaging industry.



*"Our engineers in one of our specialist workshops"*



## OUR MACHINES

### **Filling and Dosing of fine powders to large aggregates**

We have a range of machines to pack virtually any product. Our impeller packer will pack extremely fine powders and our shako machine will pack heavy wet materials. Filling is either by weight or volumetric. When using weight we use electronic load cells with a microprocessor weigh controller.

This works on a coarse feed and fine feed to give extremely accurate weighing. When using volumetric, this is achieved using a vertical auger that is servo driven to give extremely consistent results.

### **Automation**

Autopak manufacture and supply complete automation equipment.

Within our range we can offer a valve sack placer (either conventional or robotic), open top bag placer, ultrasonic sealing (either automatic or semi automatic), auto valve sack tip, open top bag complete control, conveyor systems and robotic palletising.





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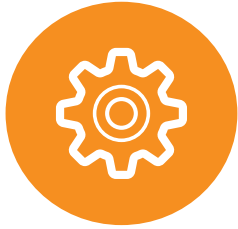
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## COMPLETE SYSTEM

This system provides a whole plant ready to produce.

### KEY FEATURES

- Complete machine feeding, filling, weighing, bag-making, detection-system
- Easy film loading with auto correcting
- Advanced operating system Allen-Bradley PLC
- Programmable
- Efficient & simple to use



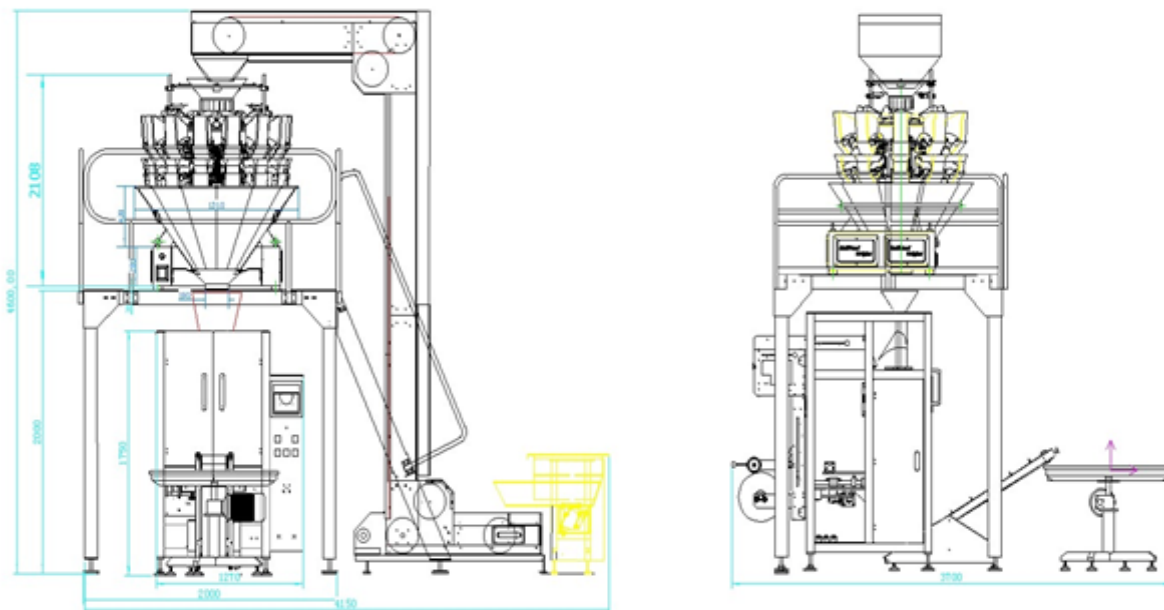
## DETAILS

The complete system is a fully automatic feeding, filling, bag-making detection system. The machine is controlled using an Allen-Bradley PLC, which is fully programmable. As it is a complete unit, the machine comprises of:

- Large Vertical Packer
- Multihead Weigher
- Bucket Elevator
- Supporting Platform
- Product Conveyor
- Weight Checker
- Metal Detector

It is suitable for many types of products: i.e. granules, sweets, cereals, popcorn, nuts, hardware etc.

## TYPICAL LAYOUT







## FORM FILL & SEAL MACHINE

The AP-420 to AP-1200 are a range of complete form-fill and seal machines.

### KEY FEATURES

---

- Allen-Bradley PLC & HMI
- Servo motor with Ethernet communications
- Ranges from AP-420 to AP-1200
- Film rectifying function
- Up to 70 bags per min



## SPECIFICATIONS

Model	AP-420	AP-520	AP-720	AP-1000	AP-1200
Packing speed	10-70BPM	10-60BPM	5-40BPM	5-30BPM	5-25BPM
Bag length	50-300mm	50-400mm	80-470mm	100-600mm	100-800mm
Bag width	50-200mm	100-250mm	100-350mm	240-480mm	240-580mm
Width of film	420mm	520mm	720mm	1000mm	1200mm

## DETAILS

The AP-420 to AP-1200 incorporate Allen Bradley PLC controls, with servo motor control and an automatic film rectifying function. The size of the machine depends on the width of the film you need to use. i.e. the maximum width of the AP-1200 is 1200mm and the AP-420 is 420mm.

The machines can be fitted with various feeders / weighers to pack a wide range of products such as: granular, powder, hardware, liquids, fruits, crisps, chillies, mange tout, popcorn etc.

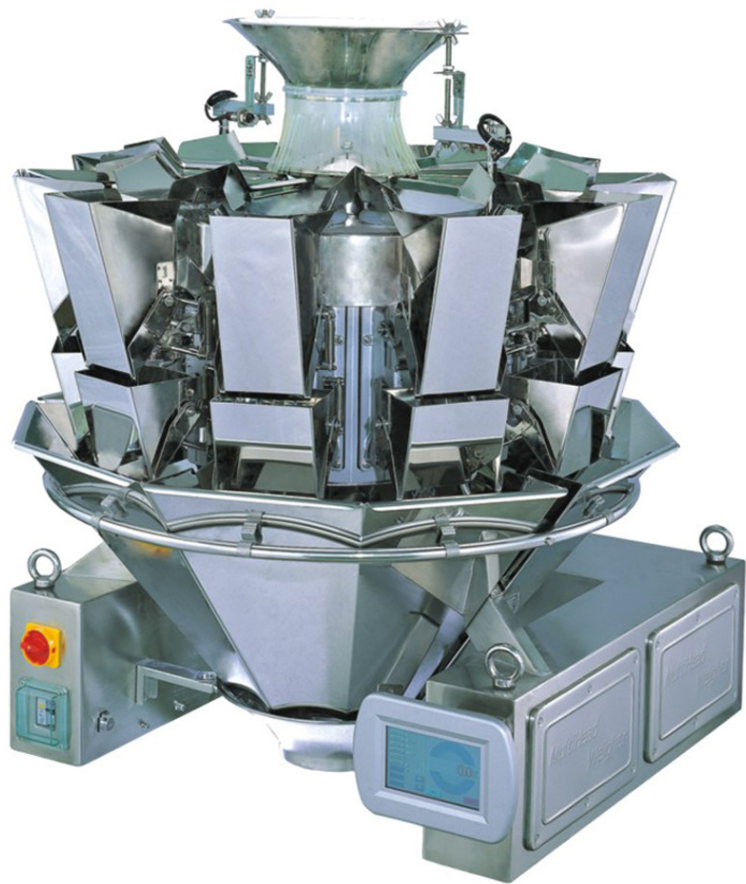


# MULTI HEAD WEIGHER

Multi-head weighers offer versatility, reliability and speed.

## KEY FEATURES

- Models: AP-14, AP-16, AP-20, AP24
- Number of heads: 14, 16, 20 or 24
- Max weighing speed: up to 120wpm
- Contact surfaces: 304 stainless steel
- Multi dump feature





## SPECIFICATIONS

Model	AP-14	AP-16	AP-20	AP-24
Weigh head	14	16	20	24
Weigh range	Single 10-800g	Single 10-1600g	Single 10-2000g	Single 3-250
Hopper volume	1600ml			
Accuracy	+ 0.1-1.5g	+ 0.1-2.0g	+ 0.1-1.5g	+ 0.1-1.0g
Max Speed	Single 120wpm	Single 120wpm	Single 120wpm	Single 120wpm
Gross weight	850Kg	900Kg	1000Kg	1050Kg
Power	2.3Kw	2.3kw	2.7kw	3.0kw
Weigh bucket	1.6L or 2.5L	1.6L or 2.5L	1.6L or 2.5L	0.5L
Control panel	10.4" touch screen	10.4" touch screen	10.4" touch screen	10.4" touch screen
Voltage	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel

## DETAILS

Multi head weighers are easy to set up and run. They can be run in manual, semi or fully automatic. Target weights can be increased by utilising the multi-dump feature, and mix more than one product together.

They are designed to work with a range of automatic and semi-automatic packing machinery. The software offers many useful features to set-up, operate, control and monitor.

With smooth contact surfaces, they are easy to clean, repair or replace. Ideal for packing: nuts, seeds, popcorn, crisps, coffee, muesli, nuts & bolts etc into bags, pots, trays and other types of packaging.



## AUTOMATIC PACKING LINE WITH LIQUID PUMP

This is a typical system based around the AP-420. This same system can be applied to all Autopak Form Fill & Seal machines.

### KEY FEATURES

- Allen-Bradley PLC control
- HMI colour touch screen
- Servo motor
- Temperature control system
- Seals, packs, prints & makes bags in one operation



## SPECIFICATIONS

Bag length	50-300mm (L) 50-200mm (W)
Packing speed	30-65 bags per minute
Measuring range	150-1200mm
Air consumption	25CFM @ 6 BAR
Power	220 VAC/HZ
Power	2.2 kw

## DETAILS

The AP-420L is manufactured to a high standard. It is a compact design and is very easy to operate.

It is fitted with a servo motor for film pulling, bag-making, sealing, pack and print date in one operation. Ideal for all types of liquids i.e. milk, oil, shampoo, sauce etc.







## VOLUMETRIC CUP DEVICE

This is a typical system based around the AP-420. The same system can be applied to all Autopak Form Fill & Seal machines.

### KEY FEATURES

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- Allen-Bradley PLC control
- Changeable cup volume sizes
- Servo motor to draw & position film
- Single bucket elevator



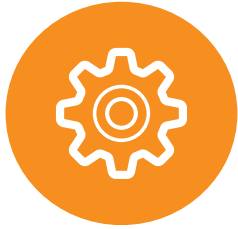
## SPECIFICATIONS

Type	AP-420C
Usage	Automatic packing machine
Bag length	50-300mm(L)
Bag width	50-200mm(W)
Max width of roll film	420mm
Packing speed	30-40bags/min
Measuring range	150-1200m
Air consumption	25cfm 6bar
Weight	600 Kg
Power voltage	220VAC/50Hz
Power	2.2 KW
Dimension	1080mm(L)*1300mm(W) *1400mm (H)
Computer system	Allen-Bradley

## DETAILS

The volumetric cup device is s a complete vertical, bag-making, sealing packing system. With a PLC computer system, which allows you to adjust without stopping the machine using the colour HMI.

The measuring range can be changed using different size cups from 100 – 1200ml, and a servo motor to draw and position film. It is suitable for many products including rice, sugar, salt and popcorn.



## KEY FEATURES

- Allen-Bradley PLC control
- Very accurate weighing
- Servo motor to draw & position film
- Single bucket elevator

# AUTOMATIC PACKING LINE WITH LINEAR WEIGHER

This is a typical system based around the AP-420. This system can be applied to all Autopak Form Fill & Seal machines.





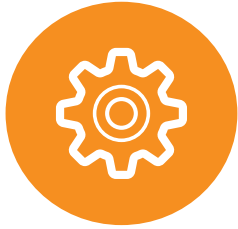
## SPECIFICATIONS

Model	AP-420S with linear weigher
Weigh speed	10-45 wpm
Power	2.2.kw
Load cell	High precision digital load cell
PLC	Allen-Bradley
Bag length 50-300mm	50-300mm
Bag width	50-200 mm

## DETAILS

The automatic packing line with linear weigher is a complete vertical, bag-making, sealing packing system. With a PLC computer system, which allows you to adjust without stopping the machine using the colour HMI.

The measuring range is 50ml to 2500ml, this is achieved using different size weigh bins. This machine is suitable for free flowing granules, pieces etc such as mange tout, rice, sugar, popcorn and plastic pieces.



## POWDER PACKING MACHINE LINE

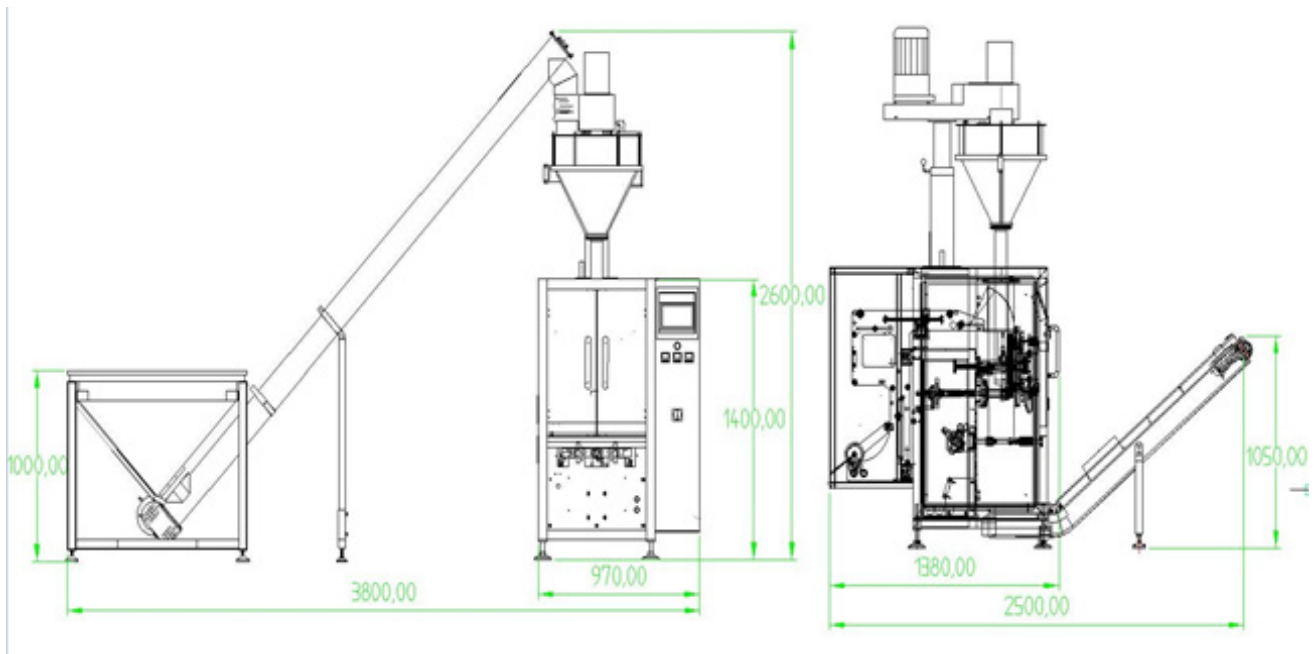
This is a typical system based around the AP-420. This same system can be applied to all Autopak Form Fill and Seal machines

### KEY FEATURES

- Allen Bradley plc control and HMI system
- Floor mounted powder hopper with vibrator to aid flow
- Incline auger feeder to supply powder to the vertical auger filler
- Specific powder feeding system controlled by servo motor.
- Ethernet communications PLC to Servo to give accurate weighments



## TYPICAL LAYOUT



## DETAILS

The powder packing machine line features an incline conveyor and rotating table. It is suitable for all kinds of powder products including flour, milk powder, coffee, starch and spices.

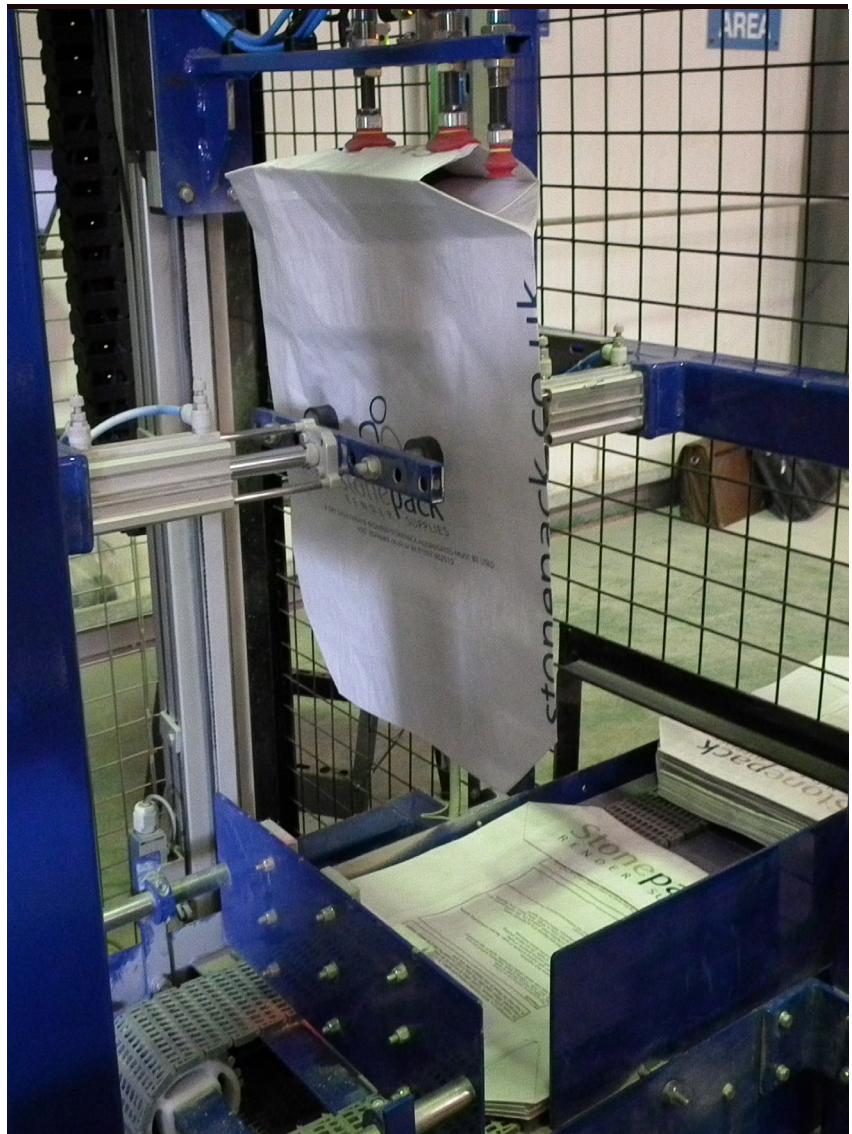


## VALVE SACK PLACER

The Valve Sack Placer is a complete system to separate and place a valve sack onto a filling machine.

### KEY FEATURES

- Complete belt-feed system.
- Valve sack opener
- Bag separator
- Filling rate 8 per min per head.
- Modular system



## SPECIFICATIONS

Model	Valve sack placer
Material	Mild steel Stainless steel (optional)
Power requirement	16amp 3 phase
Accuracy	97% (approx.)

## DETAILS

This system includes a belt feed indexing magazine, bag separator, strip-belt conveyor, valve sack opener and placing track. The placer is secured on Hepco 'V' rails, and is servo belt driven for a smooth operation.

They are sold in modules, and up to 4 modules can be combined to feed four filling machines. A sack placer is ideal for heavy duty filling: ballast, sand, cement etc.



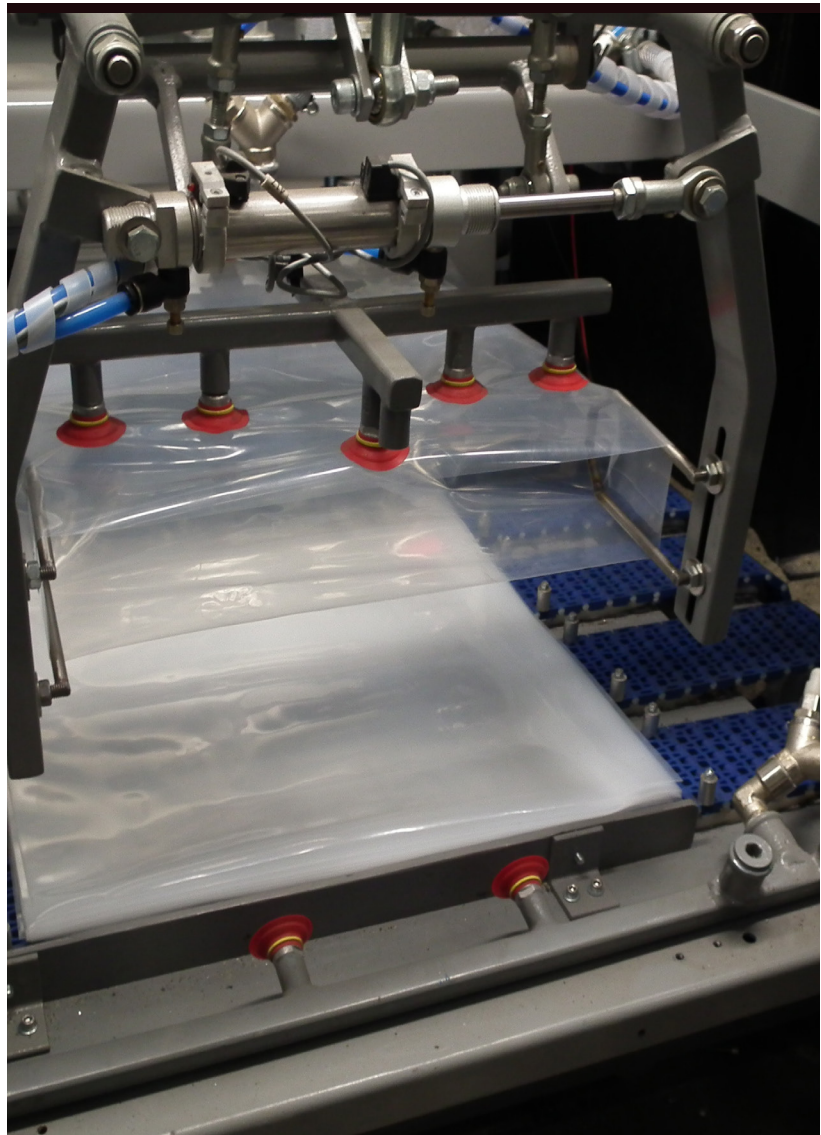


## OPEN BAG PLACER

The bag placer is a complete system to place open mouth bags onto a filling machine.

### KEY FEATURES

- System includes belt feed indexing magazine, placing arm.
- The placer is manufactured with heavy duty box framework. Manufactured to suit heavy industry.
- Suitable for plastic and paper bags.



## DETAILS

The open bag placer stores, opens and places open top bags onto a filling clamp.

Bags are stored on a segregated conveyor and indexed into the machine when needed.

Bags are picked up and opened using a mechanised vacuum system. Vacuum is sourced from a pump.

Throughput upto 12 bags per minute.



## AUTOMATIC ULTRASONIC SEALER

The ultrasonic sealer seals both paper and plastic valve sacks. The paper valve sack has a coating to allow for sealing.

### KEY FEATURES

- Material stainless steel anvil and titanium horn
- Sealing rate up to 8 a minute
- Uses high frequency acoustic vibrations to seal
- Compatible with all Autopak valve sack packers



## SPECIFICATIONS

Power requirement	16amp single phase
Material	Stainless steel anvil & titanium horn
Sealing rate	Up to 8 bags a minute
Air requirement	6 bar @ 15 cfm
Frequency	20KHZ

## DETAILS

This machine uses ultrasonic high frequency acoustic vibrations to seal a coated valve-sack and creates a solid-state well.

This type of sealer can be used with Autopak's complete range of valve-sack placers and is ideal for all types of building aggregates, chemicals, food products etc.



## KEY FEATURES

- Material stainless steel anvil and titanium horn
- Sealing rate up to 8 a minute
- Uses high frequency acoustic vibrations to seal
- Compatible with all Autopak valve sack packers

## PORTABLE ULTRASONIC SEALER

The ultrasonic sealer is achieved by using high frequency acoustic vibrations, applied to a plastic or coated paper valve-sack, to give a superior seal.





## SPECIFICATIONS

Power requirement	16amp single phase
Material	Stainless steel
Sealing rate	Up to 8 bags a minute
Air requirement	6 bar @ 4cfm
Temperature	Variable

## DETAILS

This machine can be used both manually or automatically.

The bag sealer is mounted on castors for easier manouvrability, and is finished in quality stainless steel.



## AP-6 AUGER ELEVATOR

Can be used to feed our auger filler or used as part of any production line. Suits all different kinds of powders.

### KEY FEATURES

---

- Stainless steel construction
- Vibrator fitted to hopper
- Can be manufactured to suit different specifications.



## SPECIFICATIONS

Model	AP-6 Auger elevator
Charging Capacity	3 CBM/hours
Power Supply	900W
Diameter of pipe	141 mm
Hopper Volume	230L

## DETAILS

The auger elevator has a floor level hopper for easy loading and is fitted with a safety mesh.

Hopper is on anti vibration mounts and flow is achieved using the electro mechanical vibrator.



## AP-350 Z AUTOMATIC MATERIAL ELEVATOR

### KEY FEATURES

---

- Material 304 stainless steel
- Designed for continuous operation
- Ideal for food, chemical, agricultural products etc
- Designed to save on floor space
- Capacity 3-7 M3/ hour
- Vibratory feeder at inlet
- Single Phase 220v 50hz 0.75kw





## LARGE SLANTING ELEVATOR

### KEY FEATURES

---

- Robust construction
- Easy clean surface ideal for food applications
- Movable on castors
- Belt driven by 3 phase motor & gearbox
- Stainless or mild steel construction







## BUCKET ELEVATOR

The bucket elevator feeds a filling machine, transporting material from ground level to the top of the machine.

### KEY FEATURES

- Robust construction
- Speed: 8 cycles per minute
- Movable on castors
- Belt driven by 3 phase motor & gearbox
- Stainless or mild steel construction



## SPECIFICATIONS

Model	AP-360
Conveyor height	3300mm or to customer requirements
Power	415 volts 750 w
Conveyor speed	8 cycles per minute
Dimensions	900 (L) X 750 (W) X 3300 (H)

## DETAILS

The bucket elevator offers a reliable and effective method of conveying a wide range of products including grain, fertiliser, ballast, nuts and sugar.



## AP-130 TAKEAWAY CONVEYOR

### KEY FEATURES

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- Stainless steel construction
- Modular belt
- Variable speed





## ROTATING ACCUMULATION TABLE

### KEY FEATURES

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- Single phase electrical supply
- 1200mm in diameter
- Variable speed motor
- High grade stainless steel (ideal for food industry)



### DETAILS

Rotating Accumulation tables are used to feed individual food products/ component parts, positioned at the end of a process line.

With a variable speed motor and manufactured in food grade stainless steel, it is ideal for all types of food manufacturers. It is 1200mm in diameter and can be height adjusted.



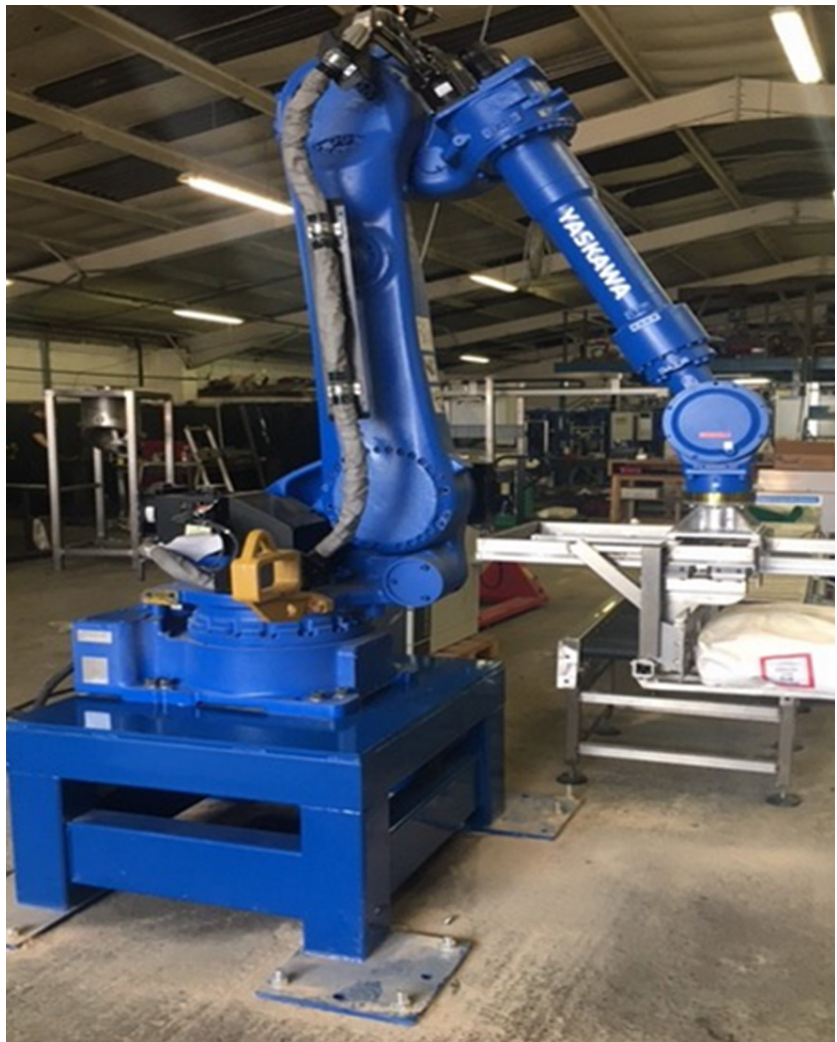
## ROBOT MPL YASKAWA

Robots are suitable for all kinds of palletising, de-palletising and pick and place applications.

### KEY FEATURES

---

- Superior acceleration & axis speeds
- Programmable HMI screen with sample programmes included
- Highly versatile adaptable for different packaging requirements
- Very flexible: can be used to label, group products, case-erecting and pallet stacking
- Payloads ranging from 80kg – 800kg



## DETAILS

Robots are suitable for all kinds of palletising, de-palletising and pick and place applications. One or more robots can be integrated to palletise or de-palletise a mixture of products, picking up at random, using a camera system and placing onto pallets, boxes or simply sorting into lanes.

**Autopak** are system integrators on Yasakawa Robots.

**Autopak** manufacture their own robot heads using mechanical grippers or vacuum suction.

**Autopak** have their own engineers to programme the various functions.





## METAL DETECTORS IMD-1 + IMD-2

The IMD conveyor belt series is suitable for metal contaminants in various industries.

### KEY FEATURES

---

- Stable, high sensitivity
- Auto set function
- User friendly
- Dust & waterproof
- Easy cleaning



## SPECIFICATIONS

Model	IMD-I		IMD-II	
Detection Width	400mm	500mm	400mm	500mm
Detection Height	80mm, 120mm 150mm, 180mm	200mm 250mm	80mm, 120mm 150mm, 180mm	200mm 250mm
Sensitivity - Fe	Φ0.5mm, Φ0.6mm Φ0.7mm, Φ0.8mm	Φ1.0mm Φ1.2mm	Φ0.5mm, Φ0.6mm Φ0.7mm, Φ0.8mm	Φ1.0mm Φ1.2mm
Sensitivity - SUS304	Φ1.0mm, Φ1.2mm Φ1.5mm, Φ2.0mm	Φ1.0mm Φ1.2mm	Φ0.8mm, Φ1.0mm Φ1.2mm, Φ1.5mm	Φ1.5mm Φ2.0mm
Belt Width	360mm	460mm	360mm	460mm
Loading Capacity	5kg~10kg	20kg~100kg	5kg~10kg	20kg~100kg
Display Mode	LCD Liquid Crystal (FDM touch screen is optional)			
Operation Mode	Button Input (touch input is optional)			
Product Storage Quantity	52 kinds			
Packing Form	Standard plastic or cardboard, metal film (aluminium) and bulk			
Conveyor Belt	Food Grade PVC (PU and Chain Conveyor are optional)			
Belt Speed	Fixed 25m/min (Variable speed is optional)			
Alarm	Alarm and belt stops (Alarm lamp and rejecter are optional)			
Power Supply	AC220V (Optional)			
Main Material	SUS304			

## DETAILS

The IMD conveyor belt series is suitable for metal contaminants in various industries including meat & poultry, pastry, vegetables, pharmacy, cosmetics and toys. It can detect all metal contaminants in packaged and non-packed food, including ferrous metal and non-ferrous metal (copper, aluminium etc) and stainless steel.



## CHECKWEIGHER IMD-IXL SERIES

The checkweigher is a high speed, high sensitivity, high stability dynamic weighing machine, with an accurate effective reject system.

### KEY FEATURES

---

- High speed, high sensitivity, high stability dynamic weight checking
- Accurate and efficient rejecter system
- User-friendly features
- Professional mechanical design
- Good environmental adaptability and stability
- Brief user parameter setting



## SPECIFICATIONS

Model	IXL-160	IXL-230S	IXL-230L	IXL-300	IXL-400
Detecting Range	10~600g	20~2000g	20~2000g	20~5000g	0.2~10kg
Scale interval	0.05g	0.1g	0.1g	0.2g	1g
Accuracy	=0.1g	=0.2g	=0.2g	=0.5g	=1g
Detecting Speed (max speed)	250pcs/min	200pcs/min	155pcs/min	140pcs/min	105pcs/min
Belt speed	70m/min	70m/min	70m/min	70m/min	70m/min
The weighed product size - Width	150mm	220mm	220mm	290mm	390mm
The weighed product size -Length	200mm	250mm	350mm	400mm	500mm
Weigher platform size - Width	160mm	230mm	230mm	300mm	400mm
Weigher platform size - Length	280mm	350mm	450mm	500mm	650mm
Operation screen	7-inch Touch LCD Screen				
Segments number of sorting	2 or 3	Product storage Quantity	100 Kinds		
Rejecter	Rejecter (optional)	Degree of protection	IP30/IP54/IP66		
Power Supply	220V (optional)	Body Material	Stainless Steel (SUS 304)		

## DETAILS

The speed and accuracy of this machine is achieved depending on the machine size and the weighed product. It is built to a high standard, and is controlled using a 7" LCD.



# COMBINATION CHECKWEIGHER & METAL DETECTOR

A good option for quality control on your production line.

## KEY FEATURES

---

- Stainless steel construction
- Different reject options
- Can be fitted as part of a production line or as a stand-alone unit.



## SPECIFICATIONS

Name	Combined metal detector & check weigher	
Model	AP-IMC-300	
Detection sensitivity (without product)	Fe $\geq\phi$ 1.0~1.2mm Sus304 $\geq\phi$ 2.0~2.5mm	
Effective search coil opening width	300mm	
Effective Search coil opening height	220mm	
Belt width	300mm	
Detecting Range	20G~5KG	
Accuracy(3 $\sigma$ )	$\pm$ 0.5G	
Detecting Speed	40~140PCS/MIN	
The weighed product size	Width	20~290mm
	Length	35~400mm
	Height	5~210mm
Pressure requirement	0.4~0.8MPA	
Reject options	Push reject (one for metal detector and another for check weigher) with lockable bins	

## DETAILS

This specification is for one particular model - other models are available to suit bespoke weights/ products. This machine is a good option for quality control on your production line.





# GRAVITY FALL METAL DETECTOR

The IMD-I-P series is a digital gravity fall metal detector. It

## KEY FEATURES

- Compact design
- Rapid reject system (to reduce waste)
- Easy to install & clean
- Ideal for powder, granules etc
- Easy cleaning



## SPECIFICATIONS

Model	IMD-IP						
Detection Diameter (mm)	Detection Capacity t/h2	Alarm Mode	Pressure Requirements	Power Supply	Main Material	Sensitivity 1Φd(mm)	
						Fe	SUS
75	3	Automatic Flap Rejecter	0.5Mpa≥	AC220V (Optional)	Stainless Steel (SUS304)	0.5	1.2
100	5					0.7	1.5
150	10					0.8	1.5

## DETAILS

The IMD-I-P series is a compact design and can occupy a small space. It can be utilised on all bulk granular products, from powder to larger granular particles.

It has a high frequency operation and a sophisticated electronic filtering system, to deliver the ultimate in metal detecting sensitivity, which enables metal to be identified in the product flow. With a full colour touch screen interface, and an easy operator access menu.



## TURBO PACKER

The Turbo Packer is a high-performance force-fed valve sack filling/weighing machine.

### KEY FEATURES

- High performance force feed valve sack packer
- Attachments available for open bag and tub filling.
- Available in food/pharmaceutical quality
- Very versatile, can pack products from 200kg/m<sup>3</sup> to 3000kg/m<sup>3</sup>
- Suitable for automation with our range of ultrasonic sealers and bag placing.



## SPECIFICATIONS

Power requirement	16-amp single phase or 3 phase if a blower is required
Material	Mild steel (stainless steel available)
Filling rate	4-6 per minute (product dependant) MID Approved
Accuracy	0..5% of target weight
Load cell	Single ended sheer beam R60 approval
Weight	500kg (empty)
Optional extras	Serial printer, auto-bag placer, take-away conveyor, ultrasonic sealing

## DETAILS

The unit has been designed and constructed for heavy industrial environments. Incorporating the latest control and weighing instrumentation.

Weighing is controlled by a micro-processor controller, other controllers are also available, DTI approval number 2335 if required.



## MINI PACKER

High performance force feed valve sack packer.

### KEY FEATURES

- Available with MID weights and measures approved
- High performance force feed valve sack packer
- Attachments for open bag and tub filling



## SPECIFICATIONS

Type	VSP-MP
Bag Length	350mm(L)
Bag Width	40-50mm(W)
Packing Speed	3-
Measuring Range	2kg-10kg
Air Consumption	30 cfm @ 6 bar
Power voltage	20VAC/50HZ
Power	3KW
Dimension	(L)650×(W)650×(H)2000MM
Deadweight of machine	300KG

## DETAILS

The mini packer is extremely versatile and can be used to pack free flowing products. It is available in food quality and pharmaceutical build quality.





## AUGER PACKER

The Auger packer is a high-performance screw fed valve/open top sack filling/weighing machine.

### KEY FEATURES

- Micro-processor weigh controller with auto-inflight
- Filing rate speed: 1-3 bags per minute
- Accuracy 0.5% of target weight
- Ideal for free- flowing powders
- Various sizes available



## SPECIFICATIONS

Model	SC1
Filling rate	1-3 bags per minute
Power requirement	16amp 3 phase
Optional equipment	Ultra-sonic sealing Serial printer Auto bag placer Take-away conveyor
Standard dimensions	650 (W)X 1200 (D) X 1800(H)
Air requirement	6 bar @ 4cfm
Load cell	Single ended sheer beam

## DETAILS

The unit has been designed and constructed for heavy industrial environments. It incorporates the latest control and weighing instrumentation, controlled by a Micro-processor weigh controller.

We do offer other controllers if MID approval is required. It operates a valve neck sealing unit for environmentally clean filling, and an Auto sack rejection (if required).

Available in mild steel powder coated or stainless-steel food quality. This machine is Ideal for all types of powders and granular type products.



## IMPELLER PACKER

The impeller packer is a high performance force-fed valve sack filling machine.

### KEY FEATURES

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- Filling rate: 6-8 per minute (average)
- Material: mild steel (stainless steel optional)
- Accuracy 1%
- Fast filling of fine powders such as talc, cement etc.



## SPECIFICATIONS

Weight	500kg
Material	Mild steel
Power requirement	20-amp 3 phase
Air requirement	6 bar 20cfm
Filling rate	6-8 per minute (depending on machine/bag size)
Load cell	Twin/single ended sheer beam
Accuracy	1% of target weight depending on product
Controller	DTI approval or controllers for non-DTI approval supplied

## DETAILS

This machine is suitable for high speed packing of very fine powders and it operates on a pump principle.

Weighing is electronic using twin load cell technology and it is low maintenance.

Suited to packing micronised powders, talcum powder, cement, gypsum.

10 to 50 kg







## PEDESTAL BIG BAGGER

The Pedestal Big Bagger can be gravity, belt or screw fed.

### KEY FEATURES

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- Low cost
- Four load cell weigh scale
- Capacity 250kg – 1500 kg
- Lifting crucible via a fork-truck
- Automated version available
- Heavy duty big bag support frame



## SPECIFICATIONS

Power requirement	16amp single phase neutral & earth
Weight	250 kg (empty)
Load cell	Quad single-ended sheer beam
Air requirement	6 bar @ 15cfm
Optional equipment	Take-away conveyor, extraction, bag-blow up system, product compaction system

## DETAILS

The machine has been constructed for use in heavy industrial environments. Also available is an automated system which includes a pallet magazine, roller conveyors and automatic bag releaser.

It incorporates the latest control and weighing instrumentation. Weighing is controlled electronically by a microprocessor weigh head. There is a choice of units depending on accuracy required. There is also an extraction and bag blowing facility, if needed.





## BIG BAG DISCHARGER

Autopak big bag dischargers are also known as IBC, Bulk Bag, FIBC and Jumbo Bag unloaders. We offer these in several frame sizes to suit your bags.

### KEY FEATURES

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- Several frame sizes to suit your bags
- Hoist loading system
- Flow control device



## DETAILS

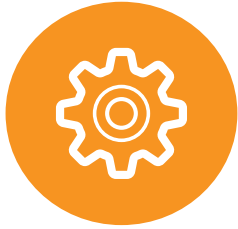
Autopak can offer a hoist loading system so there is no need for a fork lift truck or we can supply a lifting crucible to enable loading using a fork lift truck.

For difficult products we can supply corner massage units and a device that stretches the bag as the weight gets lower.

Product can be taken away using belt, auger or aeromechanical conveyors. Autopak can supply a system so that the product can be weighed out using a loss in weight system.

This can be extremely accurate as we fit a flow control device to give a course and fine feed.





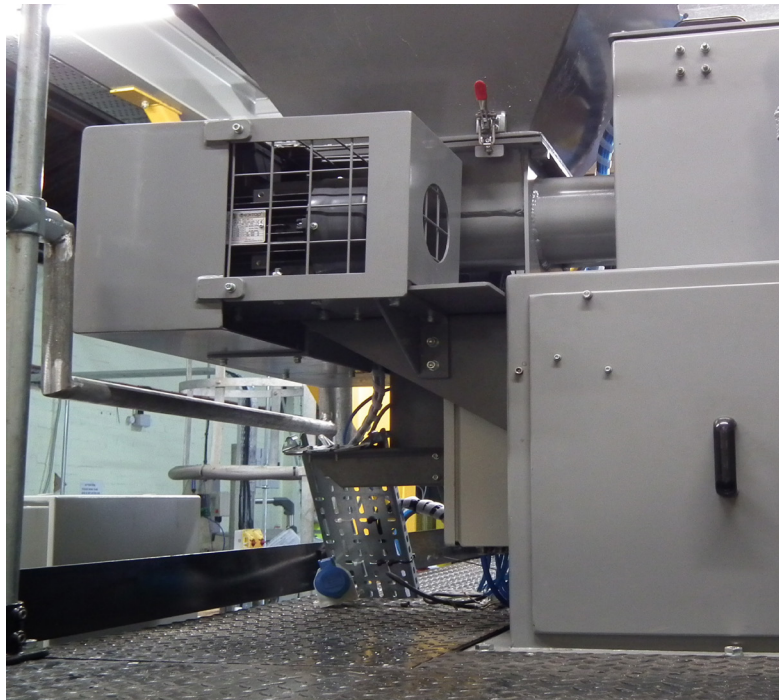
## NETT WEIGHER

The electronic weighed CS/E is dedicated to batch powder and granular products.

### KEY FEATURES

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- Pre-weigh hopper for high speed
- Pneumatic slide gate
- Can be used with Autopak open mouth bag placers for complete automation
- Pneumatic bag holder for manual or auto operation
- HBM twin load cell technology.



## DETAILS

The nett weigher is part of the bagging line, and it is the device used to determine the quantity of product to be discharged into the bag.

The main purpose is to dose in the shortest time possible and with the best precision. This can be supplied with a gravity belt on vibratory and auger feeders. It's suitable for all products.

## MODELS AVAILABLE

### CSG/E



Electronic 'net weight' bagging scale with gravimetric feeding suitable to dose granular free flowing product.

### CSB/E



Electronic 'net weight' bagging scale with belt feeding suitable to dose flour products, granular products, and non-free flowing products.

### CSF/E



Electronic 'net weight' bagging scale with turbine feeding suitable to dose flour.

### CSI/E



Electronic 'net weight' bagging scale with double screw feeding suitable to high capacity dosing for powder products.



# SINGLE HEAD LINEAR WEIGHER

Linear weighers offer versatility, reliability and speed.

## KEY FEATURES

- Max Speed: 10-15 wpm
- Number of heads: 1
- Weighing range: 20-1000g
- Hopper capacity: 3000ml
- Contact surfaces: 304 Stainless steel
- Interface: HMI touchscreen



## SPECIFICATIONS

Model	Single Head Linear
Hopper size	3000ml
Control Panel	7" Touch Screen
With modular control	
Weighing Range	20 – 1000g
Accuracy	0.5-3g
Max Speed	10 – 15 wpm
Max Mixing Products	1
Power Requirement	700W/220V/50HZ/2.5A
Packaging Size	860 (L)X 570(W)X920(H)
Gross weight	80kg
Parameters	20
Material	304 stainless steel

## DETAILS

These machines are easy to set up and run. They can be run in manual, semi or fully automatic.

Generating precise measurements, each head has its own load cell. Linear weighers have been designed so that all the main contact surfaces dismantle and separate for ease of cleaning and hygiene, and include a stagger dump to avoid material clogging.

They offer a low cost, high performance filling rate. Ideal for all types of granular foods i.e. salt, coffee, seeds, crisps, nuts-bolts etc.





## VERTICAL AUGER FILLER

The vertical auger filler is servo driven and as standard works as a volumetric filler.

### KEY FEATURES

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- The hopper can be washed easily without tools
- Stainless steel structure
- Suitable for a variety of products from thin powders to granules.



## SPECIFICATIONS

Model	AP-30L	AP-50L
Hopper	30L	50L
Packing Weight	1-500g	10-5000g
Packing Accuracy	<100g + 2%, 100-500g + 1%	<100g + 2%, 100-500g + 1%
Filling Speed	40-120 time/min	40-120 time/min
Power Supply	3P AC 208-415V 50/60HZ	3P AC 208-415V 50/60HZ
Total Power	1.7kw	1.9kw
Total Weight	130kg	200kg
Overall Dimension	860 x 460 x 880mm	1060 x 600 x 1100mm

## DETAILS

The vertical auger filler is servo driven, and as standard works as a volumetric filler. This can also be supplied as a weigh filler.

The amount of product is adjustable via the touch screen.



## FOUR HEAD LINEAR WEIGHER

The four head linear weigher is a high precision weighing system.

### KEY FEATURES

- Max Speed: 10-60 wpm
- Number of heads: 4
- Weighing range: 5-3000g
- 99 pre-set programmes
- Hopper capacity: 3000ml
- Interface: HMI touchscreen
- Can be mounted on a stand for manual operation or sited above a form fill & seal machine



## SPECIFICATIONS

Model	Four head linear weigher
Weighing Range	5-3000g
Number of heads	Four
Programmes	99 pre-set programmes
Hopper capacity	3000ml
Material	304 Stainless Steel

## DETAILS

This high precision weighing machine is very adaptable and integrates well with Autopak form fills or can operate as a standalone model.

For precise product measurement it comes with quality weigh cells. It is also very versatile and can weigh and dispense a wide range of product types including coffee, snacks, hardware, and seeds.



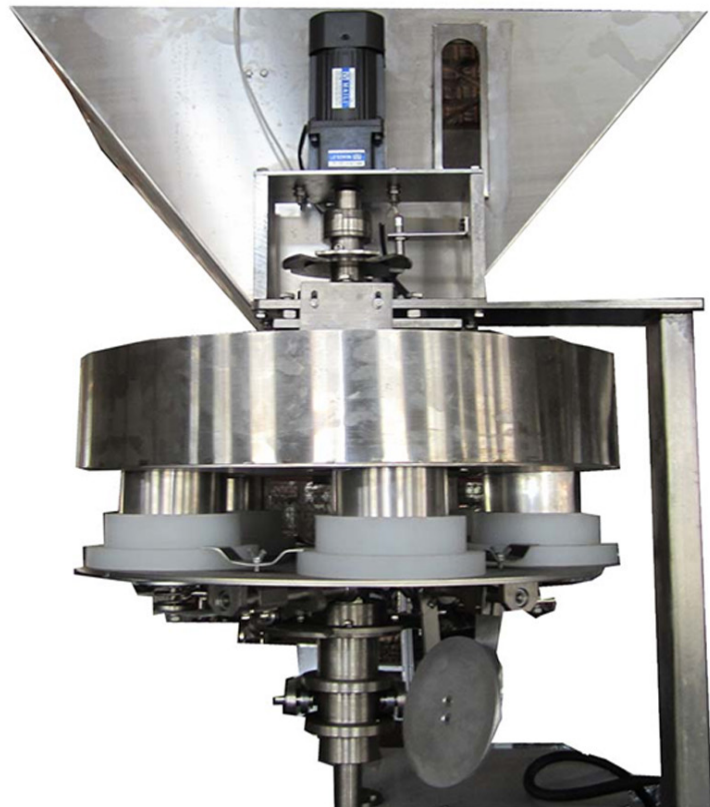
## CUP FILLER

A cost effective solution to pack free flowing granular products such as nuts, seeds, rice and grains.

### KEY FEATURES

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- Stainless steel construction
- Simple operation
- Easy to adjust cup sizes
- Other sizes can be manufactured



## SPECIFICATIONS

Model	AP-VC
Capacity	80L
Measure type	Volumetric cup
Volume of cup	100ml-1200ml (need to change the cups)
Speed	Up to 40 ppm

50-200mm

## DETAILS

The cup filler is a cost effective solution to pack free flowing granular products such as nuts, seeds, rice and grains. It can also be manufactured to suit other volumes of products.



## LIQUID PUMP

This product is suitable for a variety of liquid types.

### KEY FEATURES

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- Stainless steel construction
- Fitted with a holding hopper as standard
- Other sizes are available





## SPECIFICATIONS

Model	AP-LP
Accuracy	1.5 %
Power	220V/50HZ
Operate type	Electronic/Pneumatic
Measuring range	150-1200ml

## DETAILS

The liquid pump is suitable for many types of liquids including milk, oil, shampoo, sauce, and jam.



## GROSS WEIGHING

This can be used with gravity, auger, belt or vibratory feeders.

### KEY FEATURES

- Weighs directly into open mouth sacks
- HMI for operator friendly adjustments
- Robust electronic weighing capacity
- Rigid box section frame construction
- Ideal for sticky non flowing sand/ballast etc
- Pneumatically operated bag clamp



## DETAILS

The gross weigher can be used with gravity, auger, belt or vibratory feeders.

The product is weighed in the bag and has a pneumatically operated clamp. Twin load cell technology with a microprocessor weigh controller.



## SHAKO FILLING

A shako machine is ideal for filling materials such as wet sand, chippings, ballast, etc into bags.

### KEY FEATURES

- Filling rate 3-7 bags per minute (depending on material)
- Material mild steel (stainless Steel optional)
- Weighs directly into open-mouth sacks
- Flow adjust gate at hopper outlet
- Big bag attachment available
- Ideal for difficult products such as rock salt, building aggregates, wet sand etc.



## SPECIFICATIONS

Weight	700kg approx.
Material	Mild steel (stainless steel optional)
Power requirement	16-amp single phase neutral & earth
Air requirement	6 bar 10 cfm
Filling rate	3-7 bags per minute (depending on product)
Load cell	Single ended sheer beam
Accuracy	2% of target weight depending on product
Optional equipment	Sealer Take-away conveyor Big bag filling
Environmental	Temperature -10°C to 40°

## DETAILS

There is also a mini-shako available for filling small packages up to 12kg and a big bag attachment is also available for filling 1000kg bags.

All our Shako equipment is based around a reciprocating feeder tray. This form of material feed is normally suited towards non-flowing sticky products.



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## 2017-2018 Season

- Midlands 4 East North Winners - promoted
  - Notts RFU Cup Finalists
  - NLD Vase Cup Finalists

## 2018-2019 Season

- Midlands 3 East North second place - promoted
  - NLD Vase Cup Finalists
  - Notts RFU Cup Semi-finalists

## 2019-2020 Season:

Now playing in Midlands 2 East North





**National  
Measurement  
Office**

**UK/0126/0121**

**MI-006**

**EC type-examination certificate  
UK/0126/0121**

Issued by:

**The National Measurement Office  
Notified Body Number 0126**

In accordance with the requirements of the Measuring Instruments (Automatic Gravimetric Filling Instruments) Regulations 2006 (SI 2006/1258) and the Measuring Instruments (Non-Prescribed Instruments) Regulations 2006 which implement, in the United Kingdom, Council Directive 2004/22/EC, this EC type-examination certificate has been issued to:

**Autopak Machinery Limited  
Unit 5/6 Urban Road Business Park  
Kirkby in Ashfield  
Nottinghamshire  
NG17 8AP**

in respect of an automatic gravimetric filling instrument using the SWA2000 weighing controller and AT25 display unit, and having the following characteristics:

Reference accuracy class: Ref (0.2)  
Maximum capacity:           Dependant upon load cell(s) specification  
Minimum load:               Dependant upon operating accuracy class X(x)  
Scale interval:                $\geq 1$  g  
Number of scale intervals  $\leq 6,000$

The necessary data (principal characteristics, alterations, securing, functioning etc) for identification purposes and conditions (when applicable) are set out in the descriptive annex to this certificate.

**Issue Date:           06 August 2012  
Valid Until:          05 August 2022  
Reference No:        TS0104/0003**

**Signatory: G Stones  
for Chief Executive**



**BIS**

**Department for Business  
Innovation & Skills**






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