



Manufacturer of machines to EPS/EPP Production and Handling solutions

Who We Are

With more than 30 years of experience within the EPS/EPP industry, CK Teknik are one of the leading suppliers of machinery and customized solutions for the EPS/EPP industry Worldwide.

From our HQ in Denmark, we offer the best guidance and sparring in the industry, through our dedicated employees.

Full internal value chain secures professional and relevant support throughout the project.

What We Do

Manufacturer of:

- Silos and Silo systems.
- Distribution boxes, units and Mills.
- Granulators and Pre-Breakers.
- De-dusting systems.
- Handling solutions.
- Customized solutions.

Turnkey solutions Including:

- Capacity calculations.
- ROI calculations.
- Custom layouts, according to requirements.
- Project management.
- Installation and Commissioning.
- Training, Service and On-line support.

SI78 SILO

Silos made of antistatic synthetic material.
Silo frame made of galvanized steel, fully demountable.

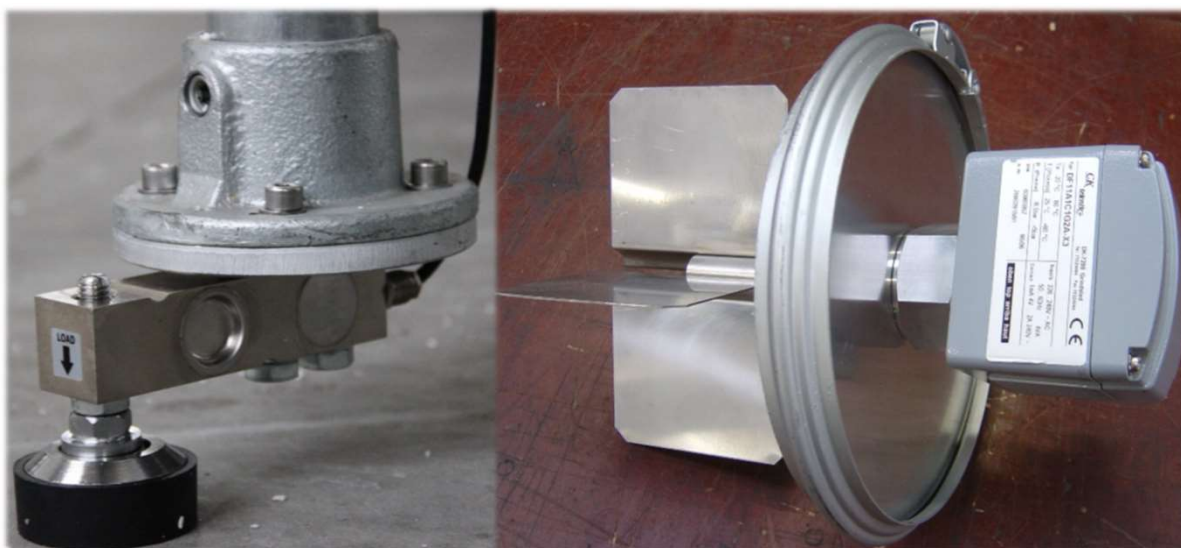
Silo size and design according to customers requirements and specifications.

Inlet/Outlet (number and position) according to customer requirements and specifications.



Features:

- Level detectors top/bottom.
- Weighing system for monitoring of silo content.
- Zipper, Window etc.



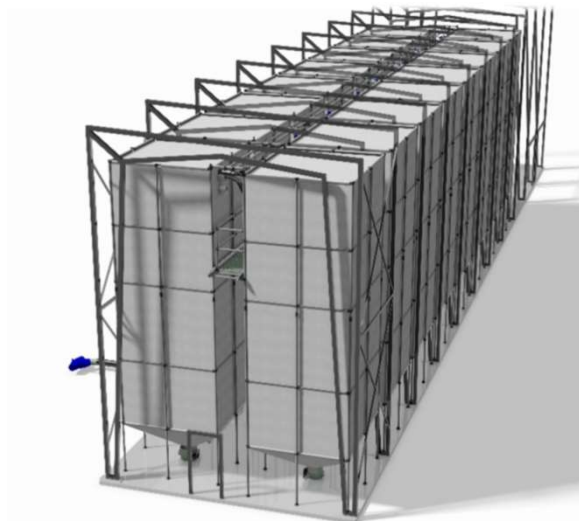
SI75 SILO SYSTEM

Silos made of antistatic synthetic material.
Silo frame made of galvanized steel, fully demountable.

Silo size and design according to customers requirements and specifications.

Complete filling systems with manual/Automatic Silo choice, blower etc.

Complete emptying system with different kinds of suction boxes.



Features:

- Customized Siemens control system with Siemens Touch-screen.
- Weighing system for monitoring of silo content.
- Ladder and walkway, for easy access to technical components.
- Level detectors Top/Bottom.
- Online diagnostic/support.



SK43 DISTRIBUTION BOX

Inlet Ø200 (Other dimensions on request).

Output for Ø50 hose in a range of 1 to 12 outputs.

All outputs as standard with 2" adjustable valves to adjust flow and 1" valve for regulating of transport air.

Painted in white.

Special solutions on request.



SK45 DISTRIBUTION UNIT

Units with outlets in large diameters.

(Standard Ø160, Ø200, Ø250, Ø300)

Available with different solutions for opening and management of material flow (Manual or automatic)



BD60 MIXER

Variable adjustable mixing and dosing system for mixing of recycled and new material and for dosing of the mixed material.

One system is containing of:

- 2 antistatic storage silos for recycled material and new material.
- 2 variable adjustable star feeders for exact adjustment of the mixing scale.



Technical data:

Type	Capacity	Share	Starfeeders	Blower	Pipe
BD60.20	24 m ³ /h	25%	0,55kW/0,55kW	2,2kW	Ø160
BD60.32	36 m ³ /h	35%	0,55kW/0,55kW	2,2kW	Ø160
BD60.60	70 m ³ /h	35%	0,55kW/1,5kW	2,2kW	Ø200
BD60.90	110 m ³ /h	35%	0,55kW/1,5kW	4kW	Ø250
BD60.90B	110 m ³ /h	60%	1,5kW/1,5kW	4kW	Ø250
BD60.120B	150 m ³ /h	50%	1,5kW/1,5kW	4kW	Ø250

■ According to CE Standard.



GS10 EPS GRANULATOR

The two-step granulator GS10 is designed for granulating EPS-waste for reuse in a moulding machine.

The waste material is manually fed into the opening. The finished granules can be transported further by blower and piping.

The GS10 is equipped with two slow-speed rotors to minimize dust development and secure a comparatively noiseless performance.



Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 7 - 9 kW
Waste size max.:	1000mm x 250mm
Density:	10 - 55 g/l
Capacity:	7 - 15 m ³ /h (Depending on density/screen size)
Measurements (LxWxH):	1969mm x 982mm x 1847mm
Pipe Connection:	Ø160

Features:

- Interchangeable sieves for the wanted material size.
- Screen Size step 1: 15 - 30 mm.
- Screen Size step 2: 6 - 10 mm.
- According to CE Standard.



GS84 EPS GRANULATOR

The granulator GS84 is designed for granulating EPS-waste for reuse in block production.

Waste material is manually fed, or directly from a silo. The finished granules are discharged by an auger at the bottom of the granulator.

The GS84 is equipped with two slow-speed rotors to minimize dust development and secure a comparatively noiseless performance.

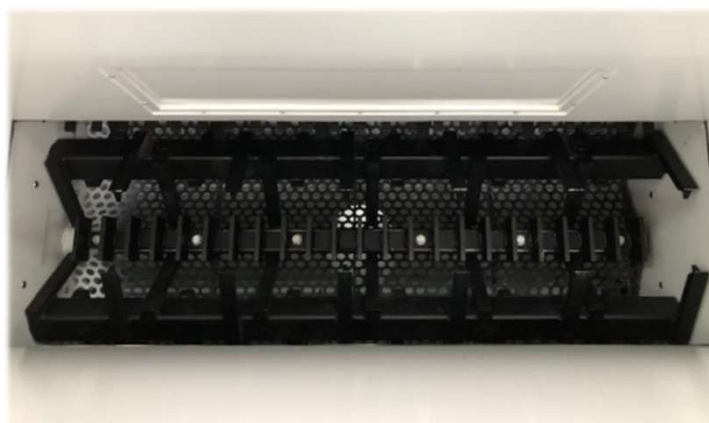


Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 9 - 13 kW
Waste size max.:	1350mm x 350mm
Density:	10 - 55 g/l
Capacity:	10 - 20 m³/h (Depending on density/screen size)
Measurements (LxWxH):	2575mm x 1020mm x 2000mm
Pipe Connection:	Ø200

Features:

- Interchangeable sieves for the wanted material size.
- Screen Size 15 - 20 mm.
- By feeding from Silo, an additional star feeder is needed (Option)
- According to CE Standard.



GG71 EPP GRANULATOR

The granulator GG71 is designed for granulating EPP-waste.

Waste material is manually fed, or directly from a silo. The granules is discharged by an auger at the bottom of the granulator.

The GG71 is equipped with two slow-speed rotors to minimize dust development and secure a comparatively noiseless performance.



Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 15 kW
Waste size max.:	1000mm x 250mm
Density:	10 - 60 g/l
Capacity:	2 - 5 m ³ /h (Depending on density/screen size)
Measurements (LxWxH):	2700mm x 1100mm x 2000mm
Pipe Connection:	Ø200

Features:

- By feeding from Silo, an additional star feeder is needed (Option)
- According to CE Standard.



SE24 EPS/EPP DE-DUSTING

The SE24 De-dusting unit with compactor is designed to remove dust from granulated EPS/EPP waste.

The De-dusting unit is equipped with an integrated blower/separator. Automatic filter cleaning is standard, all dust is consealed inside the unit.

By EPS, the dust is compacted into blocks and by EPP the dust is collected in bags.



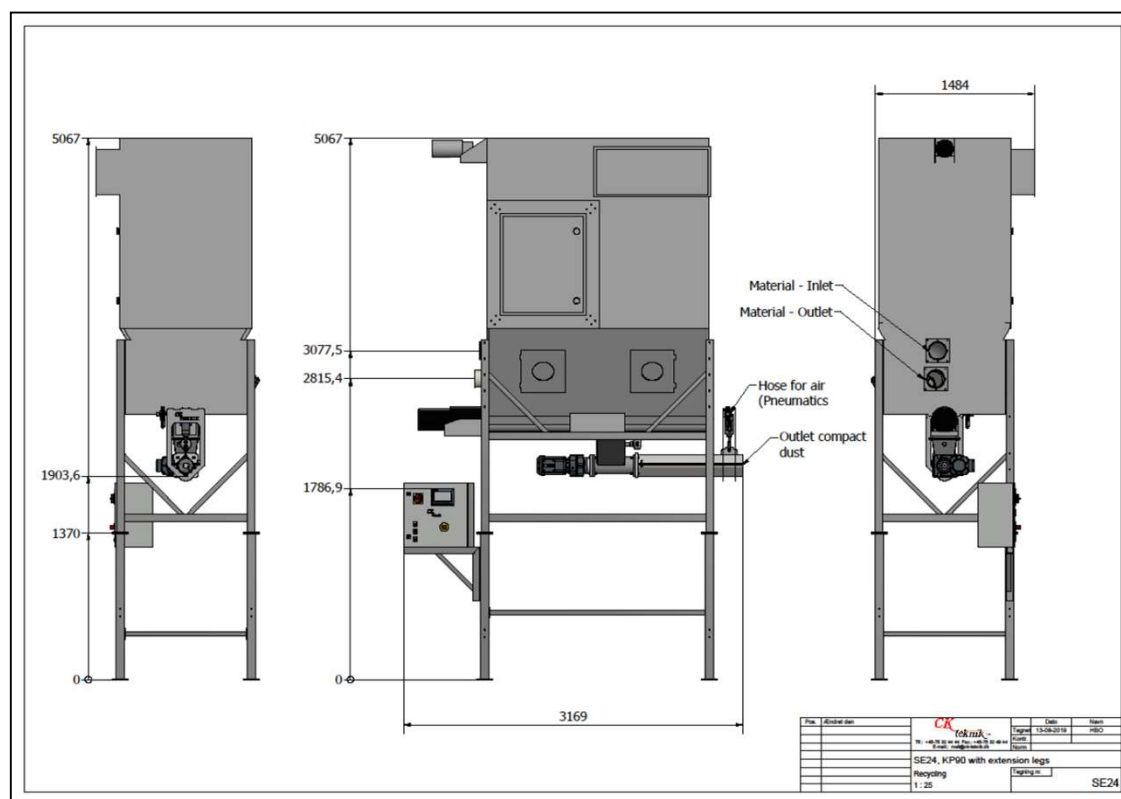
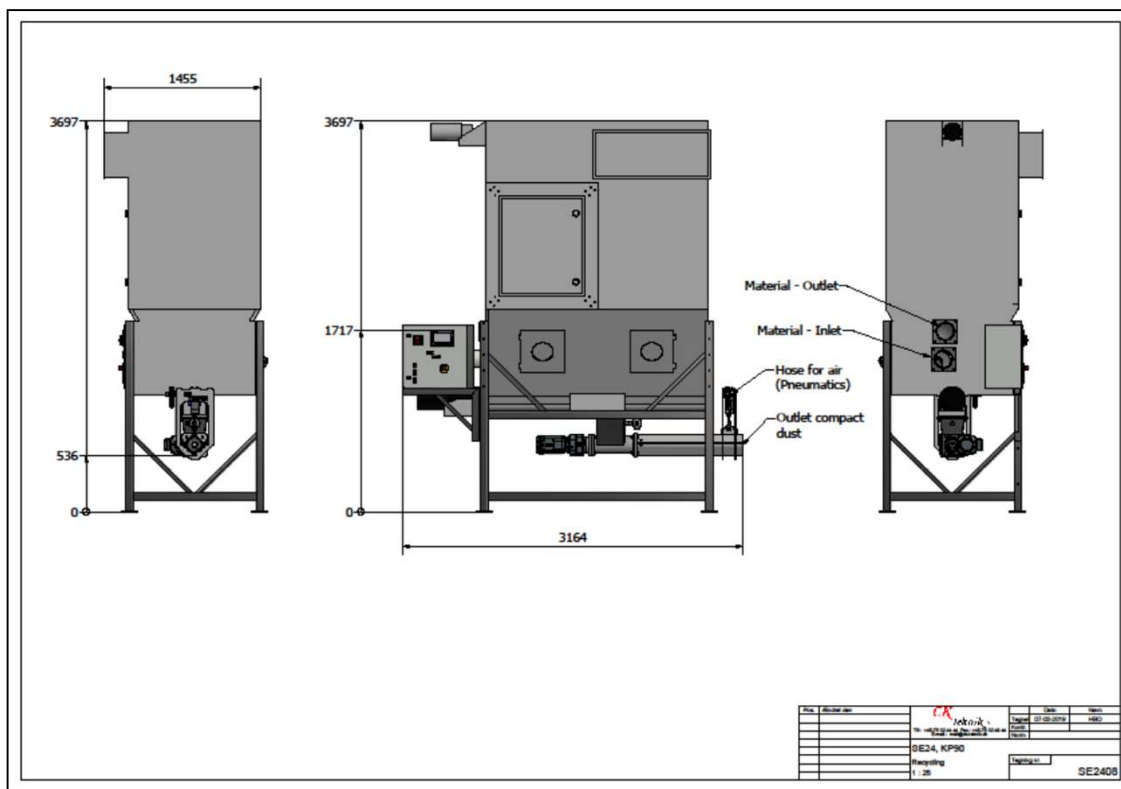
Technical data:

Eletrical connection:	3 x 400/480V, 50/60Hz, 5,3 kW
Pipe connections:	Ø160 In/Out
Capacity:	Up to 30 m ³ /h
Filter area:	31 m ²
Meassurments (LxWxH):	3164mm x 1455mm x 3697mm

Features:

- With or without Extension legs.
- According to CE Standard.





SM51-52 MILL EPS/EPP

The mill is designed to transport and fine break the pre-broken material from the granulators (pre-breakers).

The mill breaks the material to desired size, and transports it to a silo/mixer unit for recycling.

Painted in white.



Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 15 - 37 kW
Density:	10 - 55 g/l
Capacity:	10 - 15 m ³ /h (Depending on density/screen size)
Air transport:	0,1 - 0,5 m ³ /s (Depending on Back pressure)
Pipe Connection:	Ø160 / Ø200

Features:

- Interchangeable screen sizes 6-30 mm.
- Sound absorbing housing (Option).
- According to CE Standard.



RT32 TILTING STATION

The Tilting station is designed for emptying octabines containing raw material.

Octabines are placed in the cradle of the tilting station with a forklift.

The octabine are, with help of a hydraulic piston, emptied into a hopper. From the hopper, the raw material is transported to the pre-expander with an auger (Option).



Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 1,5 kW
Octabine size max. (LxWxH):	1200mm x 1200mm x 2100mm
Capacity:	1800 Kg.
Lifting Capacity:	1300 Kg.
Measurements (LxWxH):	3900mm x 1800mm x 2350mm - 4100mm
Pipe Connection (3 Pcs):	Ø160

Features:

- Hydraulic lifting function.
- Security grid for safety.
- Moveable platform, for easy access.
- Auger connection to pre-expander, according to plant layout (option).
- According to CE Standard.



RA18 MINI RECYCLING EPS

The complete recycling is mounted as one single unit into a housing made of metalsheets and steel profiles. Pre-crushing, granulating and De-dusting of the EPS waste are done in the same unit.

The De-dusted material is transported into a silo made antistatic synthetic material.

The Dust and small particles are transported into the filter station or into another silo for subsequent handling for example compacting.

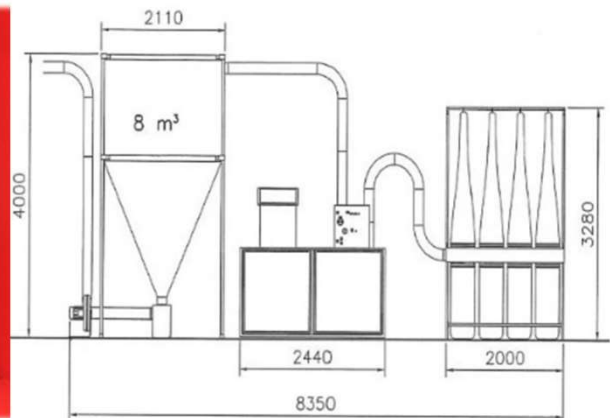


Technical data:

Electrical connection:	3 x 400/480V, 50/60Hz, 9 kW
Waste size max.:	590mm x 390mm
Density:	10 - 30 g/l
Capacity:	1 - 2 m ³ /h (Depending on density/screen size)
Measurements (LxWxH):	2450mm x 1300mm x 1400mm

Features:

- Interchangeable sieves for the wanted material size.
- Screen Size 6 - 10 mm.
- According to CE Standard.



SU05 REMOVAL DEVICE BOX

The removal device is designed to extract boxes from moulding machines.

The removal device is designed to receive the boxes directly below the mould, or to grab the boxes straight out of the moulds, for a careful handling.

The removal device can be delivered with either a table in front of the machine, or a delivery-system, to chain conveyors in front or behind the machine.

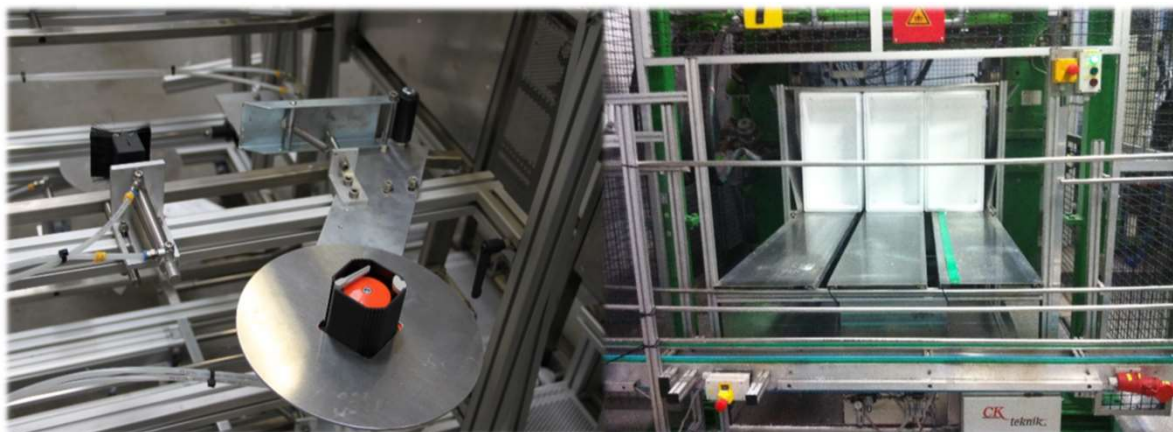


Technical data:

Capacity:	According to specifications.
Meassurments (LxWxH):	Depending on machine/product.

Features:

- Moveable unit, for easy handling/maintenance.
- Made according to customers specifications.
- Transport according to customer requirements.
- Tape applications.
- According to CE Standard.



SU07 REMOVAL DEVICE LID

The removal device is designed to extract lids from moulding machines.

The removal device is easily positioned under the moulding machine by means of guide pins.

The removal device can be delivered with arm for delivery to transverse conveyor line. Other solutions are available on request.

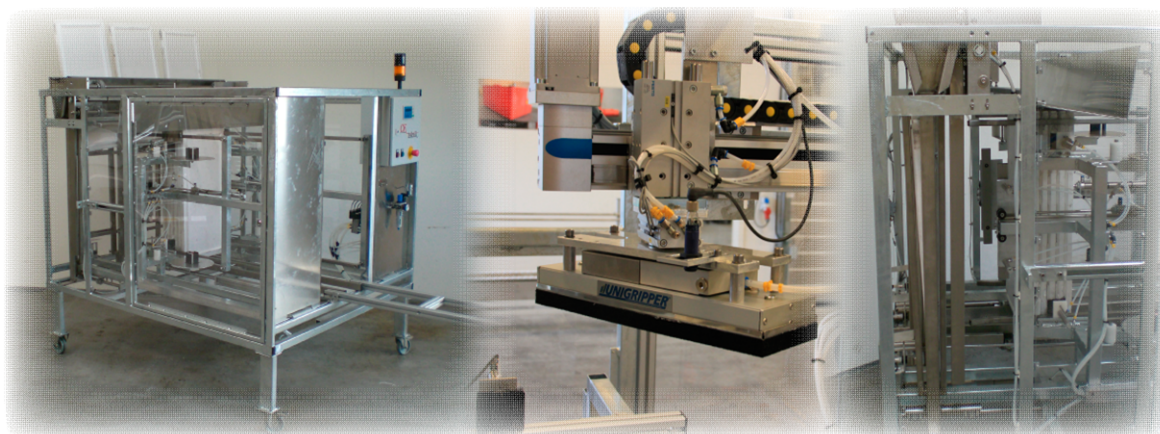


Technical data:

Capacity:	According to specifications.
Meassurments (LxWxH):	Depending on machine/product.

Features:

- Moveable unit, for easy handling/maintenance.
- Made according to customers specifications.
- Transport according to customer requirements.
- Tape applications.
- Programmable number of lids in each stack (interval of 3 lids).
- According to CE Standard.



BU15 REMOVAL DEVICE BLOCK

The removal device is designed to extract blocks from moulding machines.

The removal device is designed to receive the blocks directly below the mould.

The removal device can be delivered with a table in front of the machine.



Technical data:

Capacity:	According to specifications.
Meassurments (LxWxH):	Depending on machine/product.

Features:

- Moveable unit, for easy handling/maintenance.
- Made according to customers specifications.
- Transport according to customer requirements.
- Tape, stack and tilt applications.
- According to CE Standard.



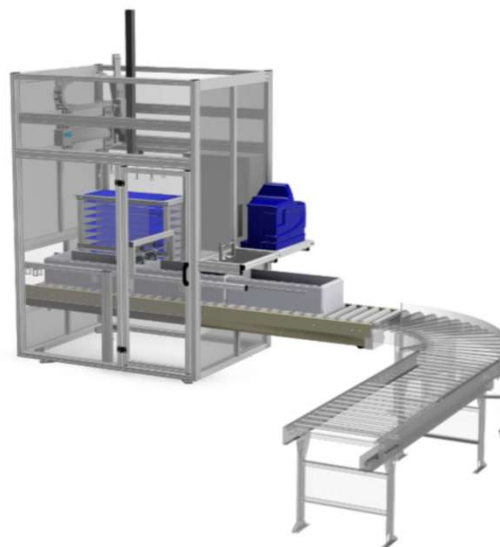
AI38 ABSORTION PADS FEEDER

The absorption machine is designed for placement of absorption pads in boxes.

The absorption machine is positioned before a stacking/taping machine.

A pile of pads is placed in the machine. The machine automatically starts, when a box is in position.

Boxes are automatic feed to the machine by conveyor belts.



Technical data:

Capacity:	Up to 900 pads/h
Meassurments (LxWxH):	2600mm x 1520mm x 2000mm

Features:

- Automatic gluing system, to fix the pads.
- Transport according to customer requirements.
- According to CE Standard.



FS19 STACKER FOR BOXES

The stacker is designed for stacking and taping various stacks of boxes.

The stacker can be adjusted to stack different amounts of boxes in each stack (min. 4, Max. 20)

The numbers of final stack rows, is adjustable according to customer requirement.



Technical data:

Capacity:	Up to 1200 boxes/h
Meassurments (LxWxH):	5805mm x 3860mm x 2711mm

Features:

- Adjustment arms for stacking of different box sizes (Option).
- Tape applications.
- Transport according to customer requirements.
- According to CE Standard.



FV11 BOX TURNER

The box turner is used where it is necessary to change direction or orientation on the boxes.

The box turner is designed to be integrated in existing conveyor systems.

The box turner can be designed to accommodate all directions of movement requirements.

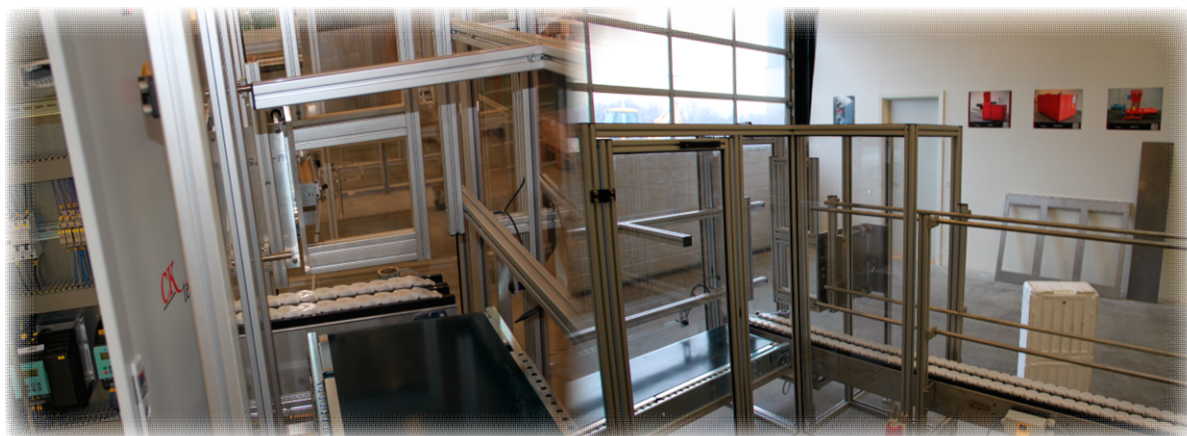


Technical data:

Capacity:	Up to 1200 boxes/h
Meassurments (LxWxH):	2250mm x 1350mm x 1650mm

Features:

- Pneumatic pusher.
- Roller, belt or chain conveyors.
- Transport according to customer requirements.
- According to CE Standard.



BN14 WEIGHT SYSTEM

The weight system can be integrated into existing conveyor systems, according to customers requirements.

The weight system, can be used to differentiate on products coming in a constant flow.
By means of interface to down stream equipment, the products can be diverted in different directions or ejected (quality control).



Technical data:

Capacity:	Up to 1200 boxes/h
Load:	15 Kg, 5 gram intervals.
Meassurments (LxWxH):	1000mm x 900mm x 1400mm

Features:

- Interface to Up/down stream equipment.
- Weighing of single items, or complete stacks.
- Easy adjustment of weighing intervals.
- According to CE Standard.



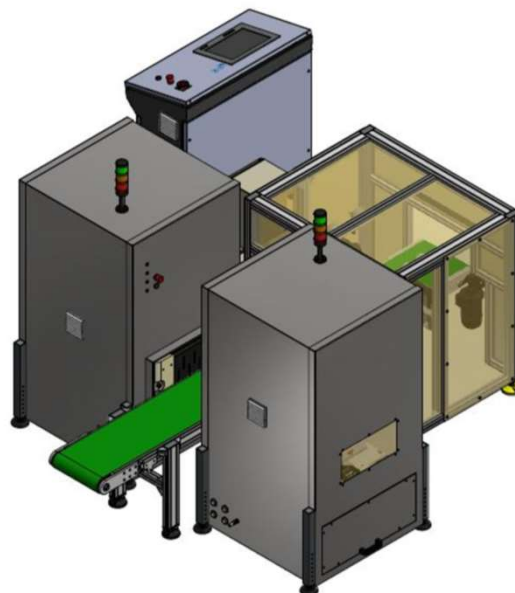
LOGOPRINTER

Colour printer for Company's own or customer logo.

Logo and text according to customers requirements.

Easy handling and maintenance through printing with inkjet and UV Led technology.

Adjustabel for size of parts that has to be printed.

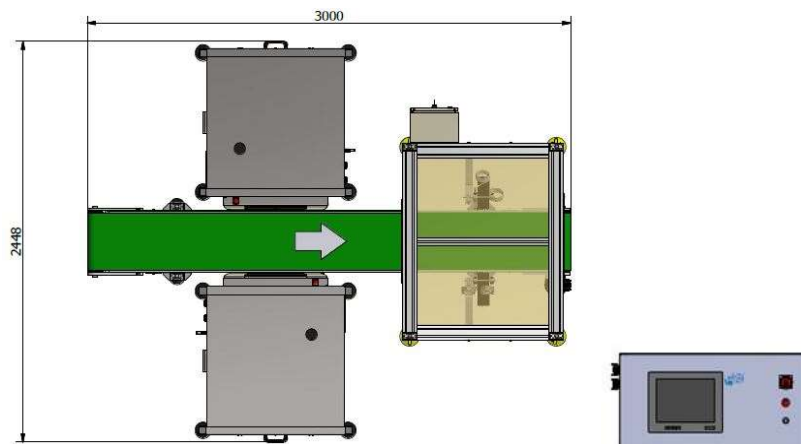


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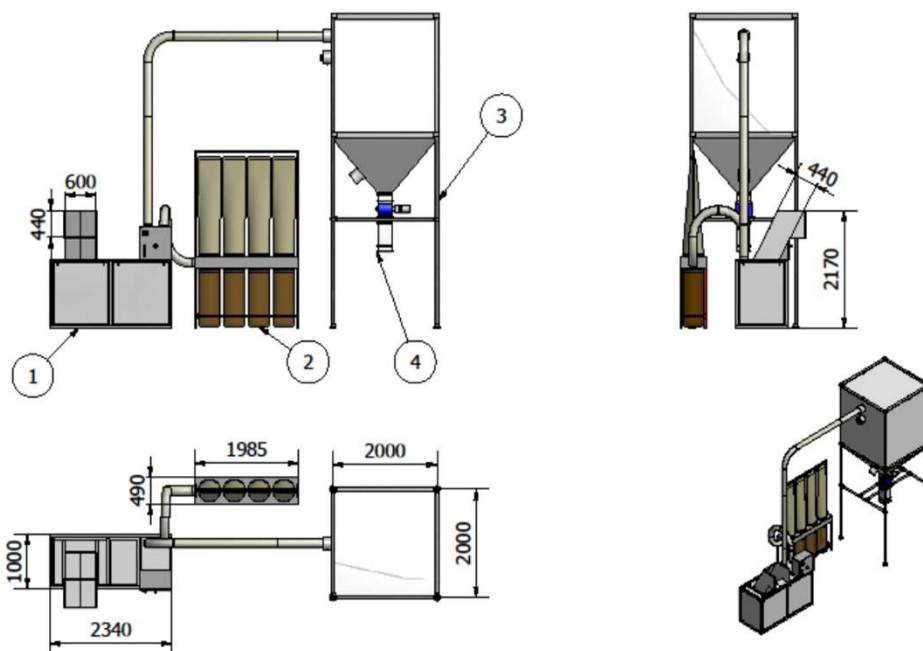
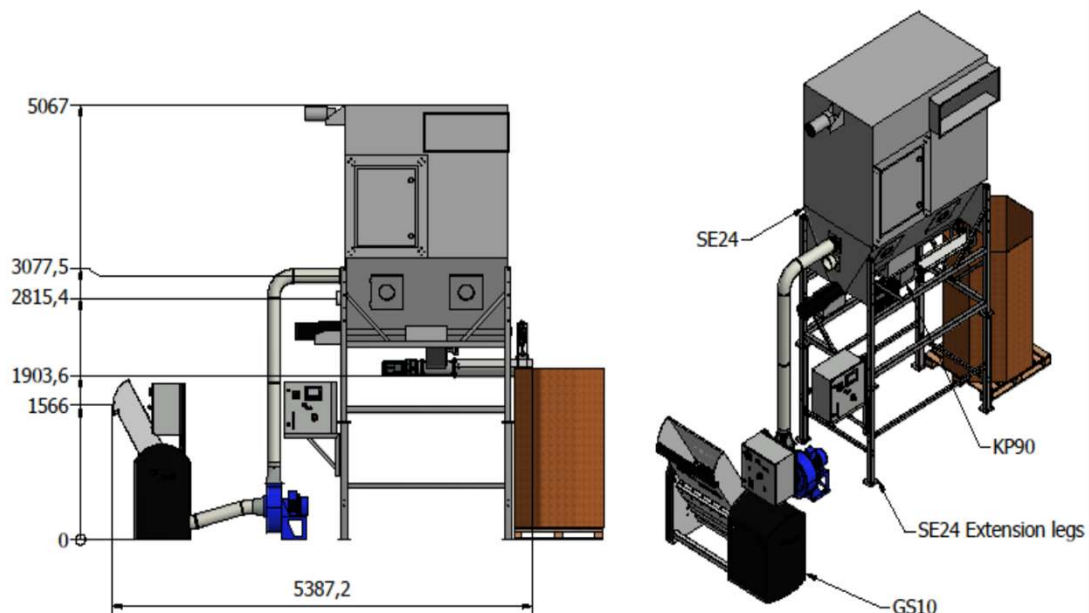
Capacity:	Up to 1200 boxes/h
Printing metod:	UV LED Technology
Meassurments (LxWxH):	3000mm x 2448mm x 1970mm

Features:

- Interface to Up/down stream equipment.
- Feeding/delivery magazine for stacks (Option).
- Taping device after the printer (Option).
- Additional text, time, date etc.
- Logo design on PC, easy tranfered to printer.
- Printing from 2 sides and/or top down.
- According to CE Standard.

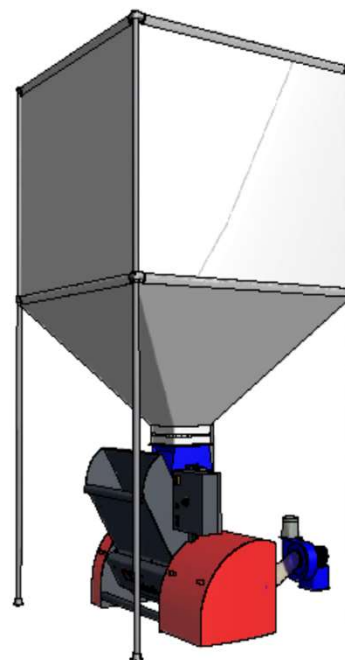
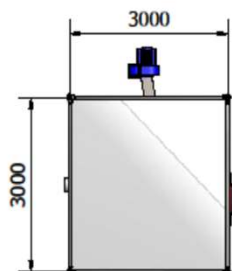
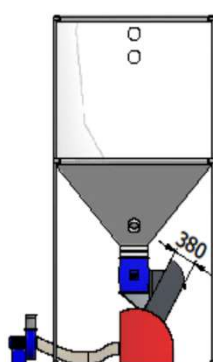
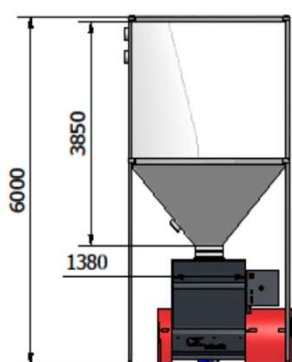
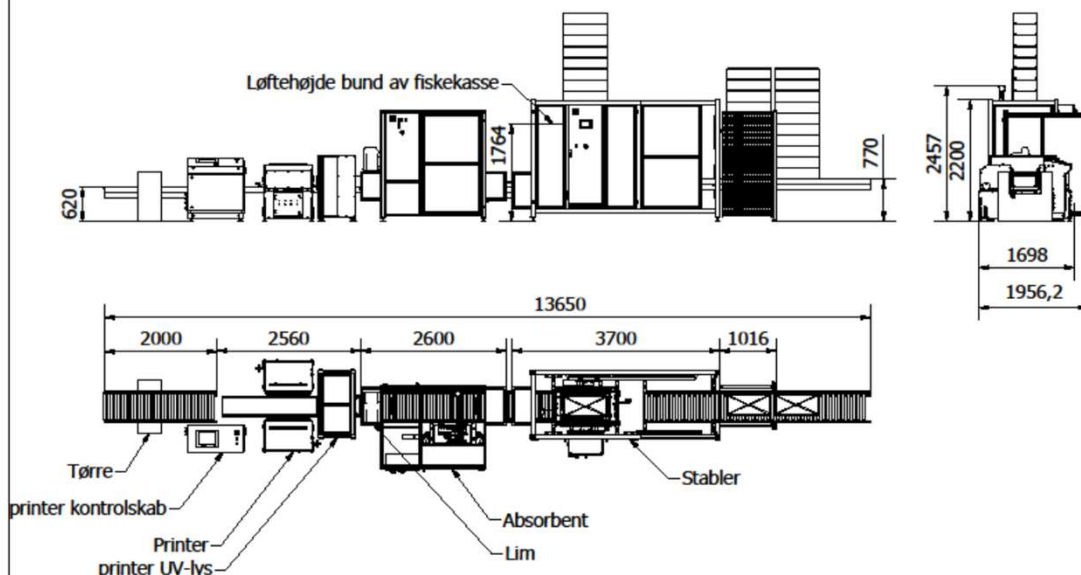


SOLUTIONS

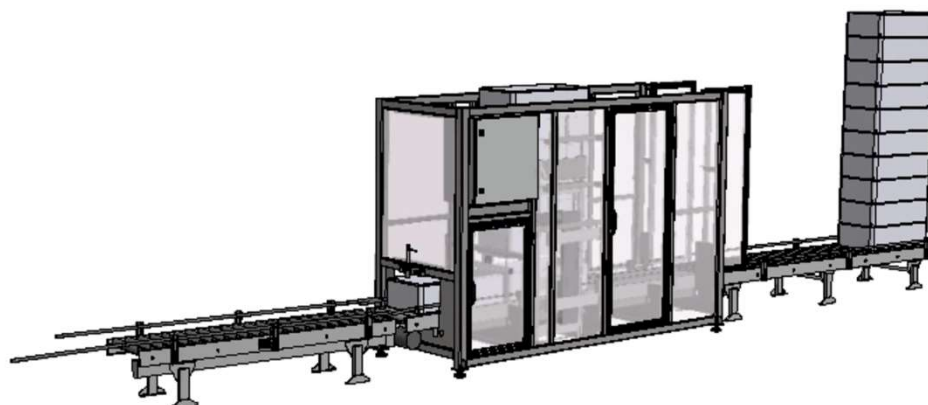
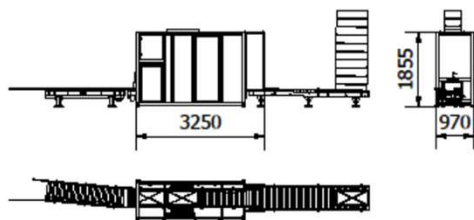
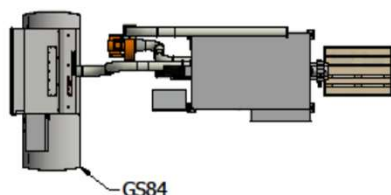
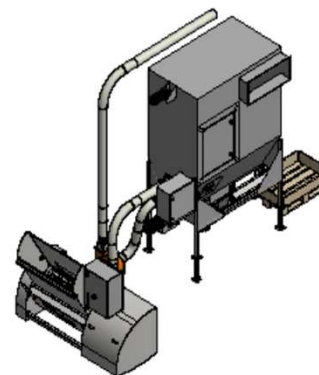
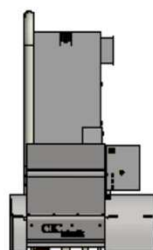


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3	GS10	E-mail: mail@ck-teknik.dk	Godt.	
2	FS40	RA18/FS40/SI78/DE31	Norm	
1	RA18	Resorings anlæge	Tegning nr.	
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SOLUTIONS



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		EPS Granulator	Tagning nr.	
				GS8402



Pos.	Ändret den	 CR <i>teknik</i> Tel: +45 75 32 48 44 Fax: +45 75 32 48 44 E-mail: post@cr-teknik.dk	Dato	Navn
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