



Since 1997 Vacuum Material Handling Solutions



# SOLUTIONS FOR THE PACKAGING INDUSTRY





# RGS SOLUTIONS FOR THE PACKAGING INDUSTRY

The packaging sector is a fundamental part of modern industry, serving as a key link in the chain of protecting, transporting and presenting products to consumers.

The packaging industry is always on the lookout for innovative solutions to help optimise production processes, minimise waste and enhance the quality of the final product.



Optimisation of  
production processes



Waste reduction and cleaning  
of the production lines



High quality  
finished product

In this context, the combined use of vacuum cleaners and vertical packaging machines is a growing strategy for production management and optimisation.



## PACKAGING PROCESSES

- **EFFECTIVE DUST SUPPRESSION:** dust control is of the utmost importance during processing steps that generate fine particles. Such control is essential to guarantee the quality of the final product, ensure the safety of operators, reduce the risk of contamination and improve the efficiency of operations.
- **TRIMS COLLECTION:** industrial vacuum cleaners are designed for the collection of waste, specifically material left over from the cutting or processing of packaging. This contributes to maintaining a clean working environment and prevents production downtime.

*The implementation of these technologies allows companies to improve their operational performance, ensures greater precision in machining, and contributes to a cleaner and safer working environment.*



HIGH-EFFICIENCY FILTERS



EASY CLEANING



STAINLESS STEEL MODEL



ATEX VERSION AVAILABLE



# INDUSTRIAL VACUUM CLEANERS FOR PRODUCTION LINES

## 1. Completion on board the machine

In this process, the integration of the vacuum cleaner with a vertical packaging machine (or flow pack) is essential to:

- **keep the unwrapped products stable** when placed on a vacuum conveyor belt;
- **evacuate air from the bags** before sealing to reduce their volume and make the packaging safer;
- **keep the automatic machine cleaner** for better hygiene and longer life of moving parts.

RGS Vacuum Systems can provide standard or customised solutions with stationary or mobile vacuum cleaners equipped with various filtration systems, made of different materials and capable of 24-hour continuous operation.



DOWNTIME  
REDUCTION



COMPACT WITH  
SMALL FOOTPRINT



FINISHED  
PRODUCT EXCELLENCE



## MOBILE VACUUM CLEANERS | THREE-PHASE

Mobile industrial vacuum cleaners are ideal for vacuuming large quantities of product on board the machine but can also be used at the end of a shift for general cleaning of the work environment.

Also available in ATEX version.



		A136	A236	F230PM	A336	F340
Voltage	Volts	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz
Power	kW	0.90	1.5	1.5	2.2	2.2
Maximum depression	mbar	230	250	250	310	310
Maximum air flow	m³/h	150	210	210	310	310
Primary filter surface	m²	0.70	0.70	0.70	1.90	1.90
Container capacity	L	25	25	25	48	48
Noise level	dB(A)	63	64	64	69	69
Dimensions	cm	40x70x126h	40x70x126h	45x80x135h	50x80x154h	50x80x154h
Weight	kg	69	71	70	120	120

## STATIONARY SUCTION UNITS | VERTICAL SUCTION UNITS

Three-phase vacuum cleaners, ideal for installation on process machines and production lines. They are designed to extract small quantities of dust in continuous operation. Vertically mounted and fitted with a protective casing.



		BAV2805	BAV281	BAV361	BAV362	BAV363	BAV465
Voltage	Volts	3~ 230-400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz
Power	kW	0.37	0.90	0.90	1.5	2.2	4
Maximum depression	mbar	160	230	230	250	310	320
Maximum air flow	m³/h	80	150	150	210	310	520
Primary filter surface	m²	0.23	0.23	0.70	0.70	0.70	1.9
Container capacity	L	9	9	12	12	12	25
Noise level	dB(A)	60	63	63	73	73	76
Dimensions	cm	36x36x75h	36x36x75h	51x56x105h	51x56x105h	51x56x105h	60x70x150h
Weight	kg	22	30	40	48	54	95

## STATIONARY SUCTION UNITS | HORIZONTAL SUCTION UNITS

Three-phase suction units ideal for installation on process machines and processing lines. They are suitable for the continuous extraction of small quantities of dust. Horizontally mounted, they are available with exposed or covered motor.



		BA2205	BA2805	BA281	BA3605	BA361	BA362	BA363	BA465
Voltage	Volts	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz
Power	kW	0.37	0.37	0.90	0.37	0.90	1.5	2.2	4
Maximum depression	mbar	160	160	230	160	230	250	310	400
Maximum air flow	m³/h	80	80	150	80	150	210	310	520
Primary filter surface	m²	0.15	0.23	0.23	0.70	0.70	0.70	0.70	1.90
Container capacity	L	3	9	9	12	12	12	12	25
Noise level	dB(A)	60	60	63	60	63	64	73	78
Dimensions	cm	35x60x46h	35x60x46h	35x60x45h	39x80x64h	39x80x64h	39x80x64h	39x80x64h	46x105x85h
Weight	kg	20	22	30	35	35	42	52	62

2. Extraction of trims from packaging lines

- Waste collection is essential in the packaging industry, particularly when it comes to:
- The removal of trimmings and cuttings from materials, such as paper, plastic or textiles, that are generated during the production and packaging process. Trim extractors are specifically designed to handle this waste efficiently, **keeping production lines clean, reducing downtime and improving the working environment.**
  - vacuuming empty bags at the end of the line, after flow packs. Automated waste handling maintains **high standards of hygiene and safety** and minimises manual intervention.



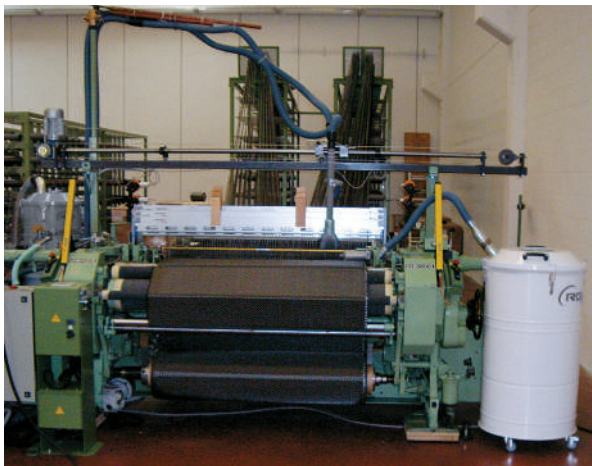
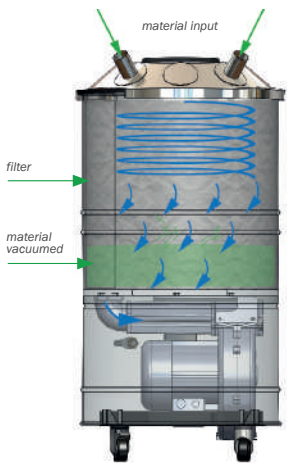
SOUND COMFORT



IMPROVED PRODUCTION TIMES



MAINTENANCE-FREE



TRIM EXTRACTORS

Vacuum cleaners for plastic waste or other materials designed to remove waste produced by packaging machines when closing the packages. These devices not only vacuum the waste but also compress it inside the filter bag streamlining the subsequent waste disposal process.

Also available in ATEX version.

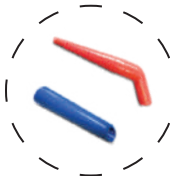
		AS146	AS1546	AS246	AS250	AS1556	AS256	AS356	AS556
Voltage	Volts	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz	3~ 400V/50Hz
Power	kW	0.85	1.3	1.5	1.5	1.1	1.5	2.2	4
Maximum depression	mbar	230	230	230	240	230	250	310	400
Maximum air flow	m³/h	150	150	210	219	150	210	310	520
Primary filter surface	m²	-	-	-	-	-	-	-	-
Container capacity	L	105	105	105	100	150	150	150	215
Noise level	dB(A)	63	70	64	66	70	64	69	73
Dimensions	cm	Ø46x116h	Ø46x116h	Ø46x116h	Ø53x100h	Ø56x116h	Ø56x116h	Ø56x116h	66x134x145h
Weight	kg	42	42	55	70	60	65	72	160

ACCESSORIES AND OPTIONS

A wide range of accessories is available to remove dust or process residues from production lines. These products have **FDA** approval for food contact and are available in various colours for the easy identification of different food lines.



Rectangular, triangular, round brushes



Cone, conical tool



Flat nozzles

CYCLONIC SEPARATOR

Filtration unit on wheels, equipped with cyclone and collection container. The cyclone separator, positioned between the packaging machine and the vacuum cleaner/suction unit, facilitates the collection and sifting of dust.

- modular body, easy to disassemble
- made of peened AISI 304 stainless steel



SHREDDERS FOR TRIMS

The shredders are designed to reduce plastic or paper waste into small pieces which are then compressed for straightforward disposal. The shredder is equipped with a quick-opening cone guard to facilitate inspection and maintenance of the blade. A position microswitch ensures that the motor is deactivated when the access hatch is opened, thus upholding safety standards.

For use with one of our AS Series Trim Extractors.



OTHER SOLUTIONS...

PNEUMATIC CONVEYORS

Pneumatic conveyors are the ideal solution for loading granular and powdered products onto packaging machines, bagging machines and packaging lines. A wide range of loading hoppers of various capacities is available, all made of stainless steel, and can be combined with suction units of different powers according to the requirements of the system.

(Right: loading hoppers for conveying sugar)



CENTRALIZED VACUUM SYSTEMS

**A.** Centralised vacuum systems for the separation of dust and processing waste to recover the main dust-free product.



**B.** System for the disposal of waste from an active ingredient filling machine. The waste is shredded and collected in a big bag.



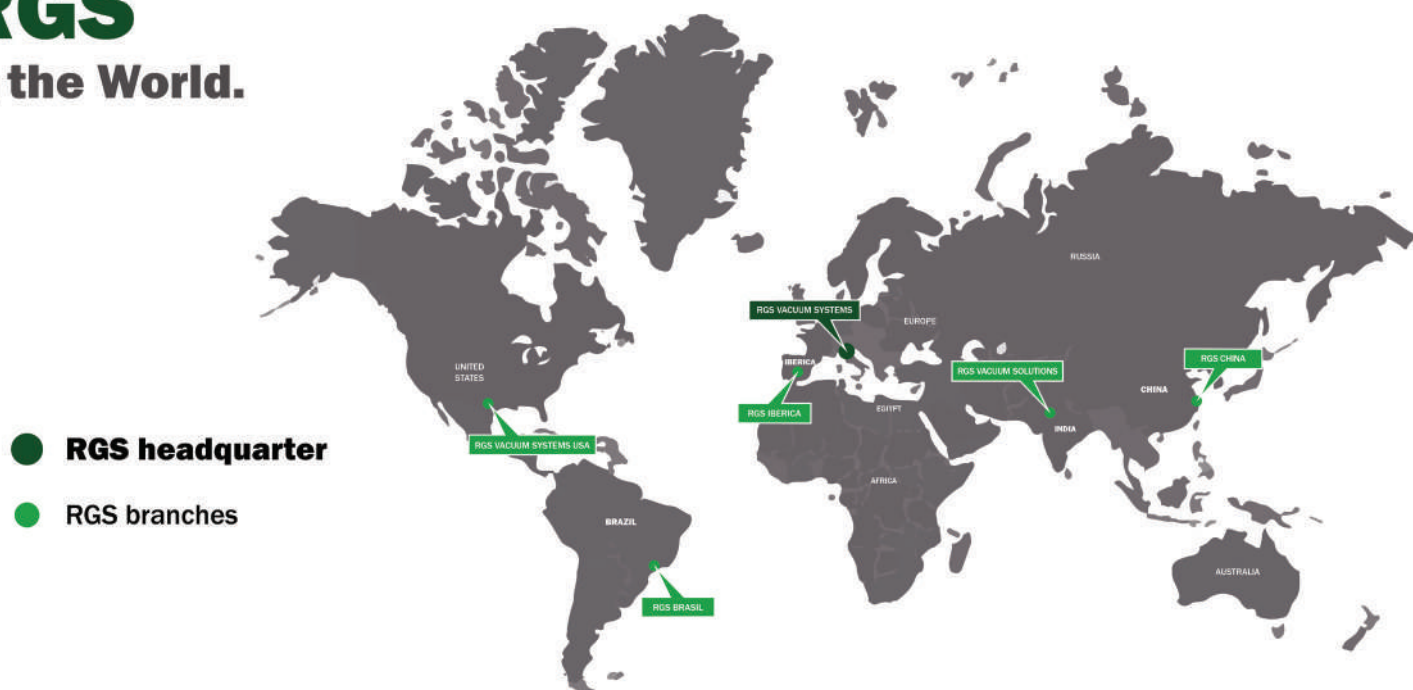




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INDUSTRIAL VACUUM CLEANERS | PNEUMATIC CONVEYORS | CENTRALIZED SYSTEMS

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in the World.



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