

FEEDING AND STORAGE

English





THINKING BEYOND

Bringing Plastic in a new dimension



*“With more than 30 years of experience,
we design, manufacture,
and market machines for the storage,
transport, dehumidification, and dosing of
granules, flakes, and powders
used in plastic processing”*

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*For each product, features
and options will be available.*



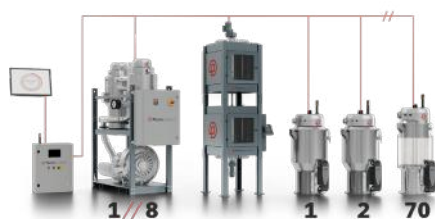
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CHAPTER 1 – SINGLE-PHASE FEEDING



VLM/VLMX/VLB SERIES | SINGLE-PHASE HOPPER LOADERS

The VLM/VLMX/VLB series of single-phase hopper loaders has been designed to satisfy the **production requirements** of plastic materials manufacturers. This series is a **simple solution** for the automatic conveying of plastic granules to processing machines, drying hoppers, and dosing units.

The **VLMX** series features a transparent pyrex body.

The **VLB** series is equipped with a **brushless** motor, ensuring longer service life and improved conveying performance.

TECHNICAL FEATURES:

- Stainless steel body;
- Blower with soft-start;
- Fabric filter;
- Automatic filter cleaning with compressed air accumulator;
- Material shortage alarm;
- Flexible hose with probe;
- Microprocessor control;
- ModBus RTU interface.

COMPATIBLE ACCESSORIES:

- HM-HMC series maintenance hoppers;
- Mini pyrex hoppers for direct machine installation;
- PVN series proportional valve;
- Visual alarm;
- MWS series weighing ring.

ADDED VALUE:

- Easy installation;
- User-friendly operation;
- Quick cleaning;
- Low operating costs.

VLM SERIES | SINGLE-PHASE HOPPER LOADERS

	VLM2	VLM4	VLM5	VLM8	VLM10
Throughput (kg/h)	40	60	80	90	120
Maximum distance (m)	5	5	10	10	10
Receiver volume (l)	2	4	5	8	10
Motor power (kW)	0.85	0.85	0.90	0.85	0.90

VLMX SERIES | SINGLE-PHASE PYREX HOPPER LOADERS

	VLMX4	VLMX8
Throughput (kg/h)	60	90
Maximum distance (m)	5	10
Receiver volume (l)	4	8
Motor power (kW)	0.85	0.85

VLB SERIES | SINGLE-PHASE HOPPER LOADERS

	VLB5	VLB10	VLB25
Throughput (kg/h)	300	400	750
Maximum distance (m)	20	20	30
Receiver volume (l)	5	10	25
Motor power (kW)	1.1	1.1	1.8

The Throughput depends on the horizontal/vertical distance, number of bends, and type of material.



CHAPTER 2 - THREE-PHASE FEEDING SYSTEM



LDM/LDX SERIES | THREE-PHASE HOPPER LOADERS

The LDM/LDX series hopper loaders, combined with a PD series vacuum unit, are designed for the vacuum pneumatic conveying of plastic materials (granules, flakes, regrind) in **medium and high-capacity** production applications. This combination is the ideal solution for material loading over various distances.

TECHNICAL FEATURES:

- Material receivers from 2 to 500 liters;
- Stainless steel body;
- Microprocessor control;
- Automatic filter cleaning;
- Material shortage alarm;
- Fabric/metal mesh filter;
- ModBus RTU interface;
- Flap/pneumatic discharge;
- Large discharge;
- LDX version with glass body.

COMPATIBLE ACCESSORIES:

- PVN series proportional valve;
- Suction probe and hose;
- DUO series valve to connect two LDM/LDX receivers;
- VPC series pipeline cleaning valve;
- Acoustic alarm;
- Automatic filter cleaning with compressed air accumulator;
- MWS series weighing ring.

ADDED VALUE:

- Easy installation;
- User-friendly operation;
- Quick cleaning;
- Low operating costs.

LDM SERIES | THREE-PHASE HOPPER LOADERS

		LDM2	LDM4	LDM5	LDM8	LDM10	LDM25	LDM50	LDM100	LDM150	LDM200
Receiver volume (l)		2	4	5	8	10	25	50	100	150	200
Diameter (mm)	Material	40/50	40/50	40/50	40/50	40/50	50/60	60/70	70/90	70/90	90
	Vacuum	40/50	40/50	40/50	40/50	40/50	50/60	60/70	70/90	70/90	90

LDX SERIES | THREE-PHASE PYREX HOPPER LOADERS

		LDX4	LDX8	LDX25
Receiver volume (l)		4	8	25
Diameter (mm)	Material	40/50	40/50	60
	Vacuum	40/50	40/50	60



LDP SERIES | THREE-PHASE POWDER HOPPER LOADERS

The **LDP** series of receivers offers an advanced solution for the vacuum pneumatic conveying of **powders**.

They are also suitable for conveying food, pharmaceutical, and chemical products.

These receivers are paired with **PD/PDC series** blowers.



LDP20

TECHNICAL FEATURES:

- Microprocessor control;
- Discharge valve operated by pneumatic actuator;
- Stainless steel container;
- Self-cleaning filter;
- Compact and modular design;
- Level sensor for loading management;
- ModBus RTU interface;
- Special version for Atex applications.

COMPATIBLE ACCESSORIES:

- Level sensor on receiver;
- Suction probe and hose;
- Pipeline cleaning valve;
- Acoustic alarm;
- Self-cleaning filter with inspection door;
- Powder fluidization systems.

LDP SERIES | THREE-PHASE POWDER HOPPER LOADERS

		LDP10	LDP20
Receiver volume (l)		10	20
Diameter (mm)	Material	50/60	50/60
	Vacuum	50/60	50/60



VLP

VLP SERIES - CUSTOM THREE-PHASE POWDER HOPPER LOADERS

To meet specific needs, Plastic Systems has developed a range of **custom-made** products designed to satisfy a wide **variety of material handling** requirements and hourly throughput capacities. These receivers can be designed with **customized filtering surfaces** and various types of discharge, offering highly versatile and high-performance solutions.

PD/PDC SERIES | VACUUM PUMPS

The PD/PDC series vacuum pumps, when combined with receivers from the same series, are designed for vacuum pneumatic conveying of bulk materials (granules, flakes, regrind, powders, etc.) in **medium and high-capacity production applications**. These units are equipped with FZ/FC series filtration systems, which ensure effective dust separation.

PD SERIES | SIDE CHANNEL VACUUM PUMPS

	PD1		PD2		PD3		PD5	PD7		PD11		PD15
Suction capacity (kg/h)	200		300		500		1000	1500		2000		3000
Filter (optional) Filtering surface area (m ²)	FZ1 1.8	FC1 2.9	FZ1 1.8	FC1 2.9	FC1 2.9	FC3 7.5	FC3 7.5	FC3 7.5	FC8 13	FC3 7.5	FC8 13	FC8 13

*The suction capacity depends on the horizontal/vertical distance, number of bends, and type of material.
Other sizes of vacuum pumps are available upon request.*

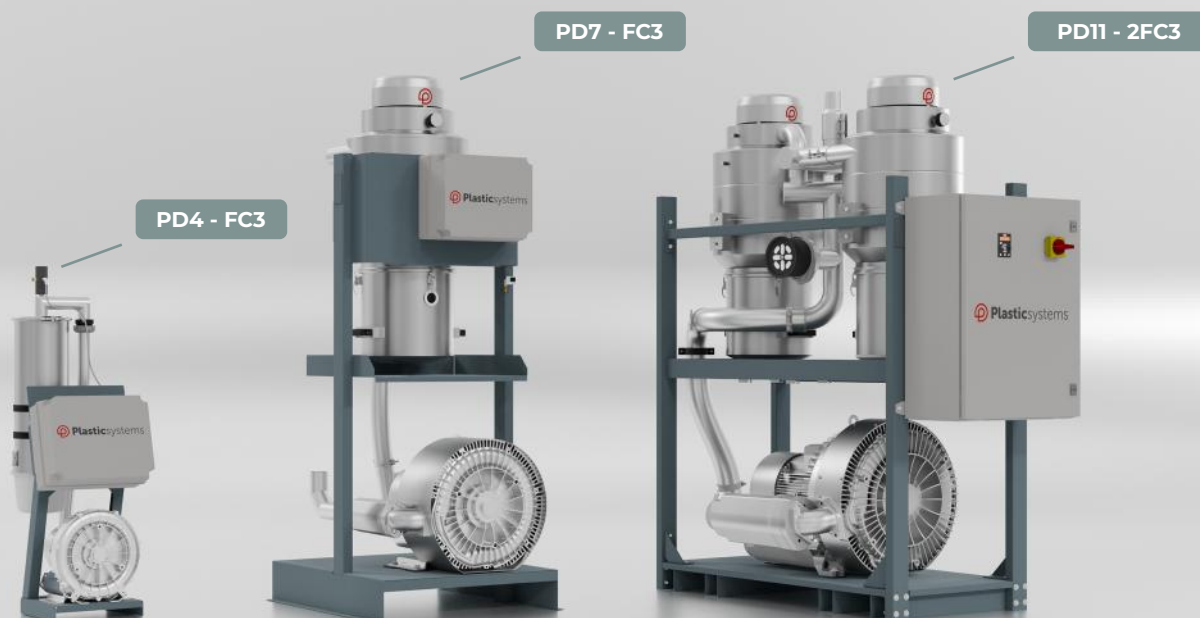
PDC SERIES | CLAW VACUUM PUMPS

	PDC4	PDC5	PDC7	PDC11
Suction capacity (kg/h)	500	1000	1800	2200
Filter (optional) Filtering surface (m ²)	FC3 7.5	FC3 7.5	FC3 7.5	2FC3 15

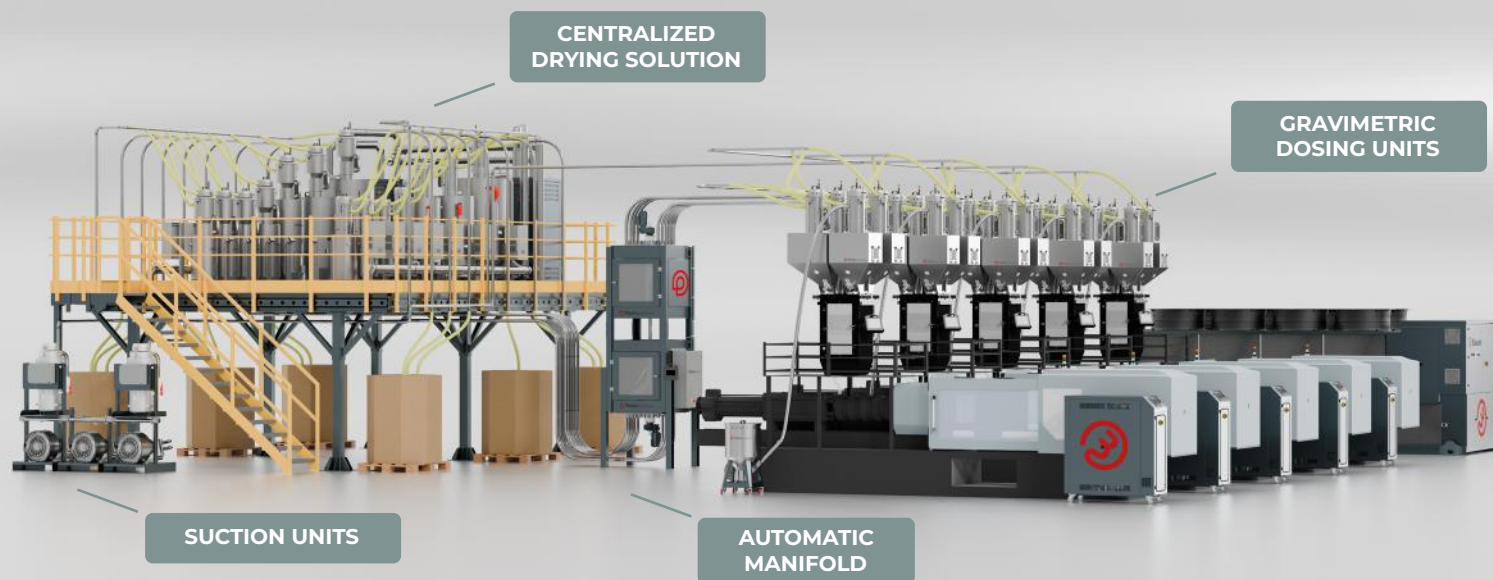
*The suction capacity depends on the horizontal/vertical distance, number of bends, and type of material.
Other sizes of vacuum pumps are available upon request.*

FC SERIES | FILTERS

	FZ1	FC1	FC3	2FC3
Filtering surface (m ²)	1.8	2.9	7.5	15
Cleaning type	Manual	Self-cleaning	Self-cleaning	Self-cleaning



CHAPTER 3 – CENTRALIZED FEEDING SYSTEM



TMM/TMX SERIES | THREE-PHASE HOPPER LOADERS

The TMM/TMX series hopper loaders, combined with a PM series vacuum pump and Matrix 4.0 server, are designed for the vacuum pneumatic conveying of plastic materials (granules, flakes, regrind) in **medium- and high-capacity production applications**. This combination is the ideal solution for loading different materials over various distances.

TECHNICAL FEATURES:

- Material receivers from 2 to 500 liters;
- Stainless steel body;
- Microprocessor control;
- Automatic filter cleaning;
- Material shortage alarm;
- Metal mesh filter;
- ModBus RTU interface;
- Flap/pneumatic discharge;
- Enlarged discharge;
- TMX version with glass body.

COMPATIBLE ACCESSORIES:

- PVN series proportional valve;
- 3WAY series three-way valve;
- VPC series pipeline cleaning valve;
- Acoustic alarm;
- Automatic filter cleaning with compressed air accumulator;
- MWS series weighing ring.

ADDED VALUE:

- Easy installation;
- User-friendly operation;
- Quick cleaning;
- Low operating costs.

TMM SERIES | THREE-PHASE HOPPER LOADERS

		TMM2	TMM4	TMM5	TMM8	TMM10	TMM25	TMM50	TMM100	TMM150	TMM200
Receiver volume (l)		2	4	5	8	10	25	50	100	150	200
Diameter (mm)	Material	40/50	40/50	40/50	40/50	40/50	50/60	60/70	70/90	70/90	90
	Vacuum	40/50	40/50	40/50	40/50	40/50	50/60	60/70	70/90	70/90	90

TMX SERIES | THREE-PHASE PYREX HOPPER LOADERS

		TMX4	TMX8	TMX25
Receiver volume (l)		4	8	25
Diameter (mm)	Material	40/50	40/50	60
	Vacuum	40/50	40/50	60



TMM25



TMX25

TMP SERIES | THREE-PHASE POWDER HOPPER LOADERS

The **TMP** series of receivers offers an advanced solution for the vacuum pneumatic conveying of **powders**.

They are also suitable for conveying food, pharmaceutical, and chemical products.

These receivers are paired with **PM/PMC series** blowers.



TMP20

TECHNICAL FEATURES:

- Microprocessor control;
- Discharge valve operated by pneumatic actuator;
- Stainless steel container;
- Self-cleaning filter;
- Compact and modular design;
- Level sensor for loading management;
- ModBus RTU interface;
- Special version for Atex applications.

COMPATIBLE ACCESSORIES:

- Level sensor on receiver;
- Suction probe and hose;
- Pipeline cleaning valve;
- Acoustic alarm;
- Self-cleaning filter with inspection door;
- Powder fluidization systems.

TMP SERIES | THREE-PHASE POWDER HOPPER LOADERS

		TMP10	TMP20
Receiver volume (l)		10	20
Diameter (mm)	Material	50/60	50/60
	Vacuum	50/60	50/60



VLP

VLP SERIES | CUSTOM THREE-PHASE POWDER HOPPER LOADERS

To meet specific needs, Plastic Systems has developed a range of **custom-made** products designed to satisfy a wide **variety of material handling** requirements and hourly throughput capacities. These receivers can be designed with **customized filtering surfaces** and various types of discharge, offering highly versatile and high-performance solutions.

PM/PMC SERIES | VACUUM PUMPS

The PM/PMC series vacuum pumps, when combined with receivers from the same series, are designed for vacuum pneumatic conveying of bulk materials (granules, flakes, regrind, powders, etc.) in **medium and high-capacity production applications**. These units are equipped with FZ/FC series filtration systems, which ensure effective dust separation.

PM SERIES | SIDE CHANNEL VACUUM PUMPS

	PM2		PM3		PM5	PM7		PM11		PM15
Suction capacity (kg/h)	300		500		1000	1500		2000		3000
Filter (optional) Filtering surface area (m ²)	FZ1 1.8	FC1 2.9	FC1 2.9	FC3 7.5	FC3 7.5	FC3 7.5	FC8 13	FC3 7.5	FC8 13	FC8 13

*The suction capacity depends on the horizontal/vertical distance, number of bends, and type of material.
Other sizes of vacuum pumps are available upon request.*

PMC SERIES | CLAW VACUUM PUMPS

	PMC4	PMC5	PMC7	PMC11
Suction capacity (kg/h)	500	1000	1800	2200
Filter (optional) Filtering surface (m ²)	FC3 7.5	FC3 7.5	FC3 7.5	FC8 15

*The suction capacity depends on the horizontal/vertical distance, number of bends, and type of material.
Other sizes of vacuum pumps are available upon request.*

FC SERIES | FILTERS

	FZ1	FC1	FC3	2FC3
Filtering surface (m ²)	1.8	2.9	7.5	15
Cleaning type	Manuale	Autopulente	Autopulente	Autopulente





AMMP SERIES | AUTOMATIC MANIFOLDS

The AMMP series of automatic manifolds represent the **ideal solution** for distributing plastic materials from storage/dehumidification areas to processing machines.

TECHNICAL FEATURES:

- Siemens PLC control;
- Gearmotor with integrated self-braking system;
- 7" color touchscreen;
- Inflatable seals;
- Anti-wear kit;
- Optional PIG cleaning system;
- Quick maintenance door with RFID safety micro-switch.

ADDED VALUE:

- Reliability;
- Easy maintenance and inspection.

	Connections – AMMP STD version	Connections – AMMP XL version
40	36	-
50	32	50
60	28	44
70	24	38
88,9	20	30
101,6	18	28
114,3	16	26



MMP SERIES | MANUAL MANIFOLDS

Designed for essential applications, the MMP series of manual manifolds offer a **simple and effective** solution for conveying plastic materials.

TECHNICAL FEATURES:

- Multiple connections up to 6 machines with the same material;
- Multi outlets connections;
- Modular construction;
- Optional decoding system for material identification;
- Quick couplings supplied as standard.

MATRIX CONTROL

The **Matrix 4.0** control system allows the management of **up to 10 blowers and 70 receivers**, the material decoding system, the “MWS” weighing systems, and integrates the “MMS” system for controlling the conveying speed of the material. EasyMatrix is a **compact solution** for managing up to 10 receivers and one blower, ideal for small departments or multi-station dehumidification or dosing systems.

For highly customized applications, Plastic Systems develops **tailor-made PLC control solutions**, adapting them to the specific process and management requirements of each customer. This advanced system allows the integration of a wide range of machines and devices, such as diverter valves, rotary valves, robots, level sensors, dosing systems, and much more—providing **greater flexibility and optimization of the production process**.

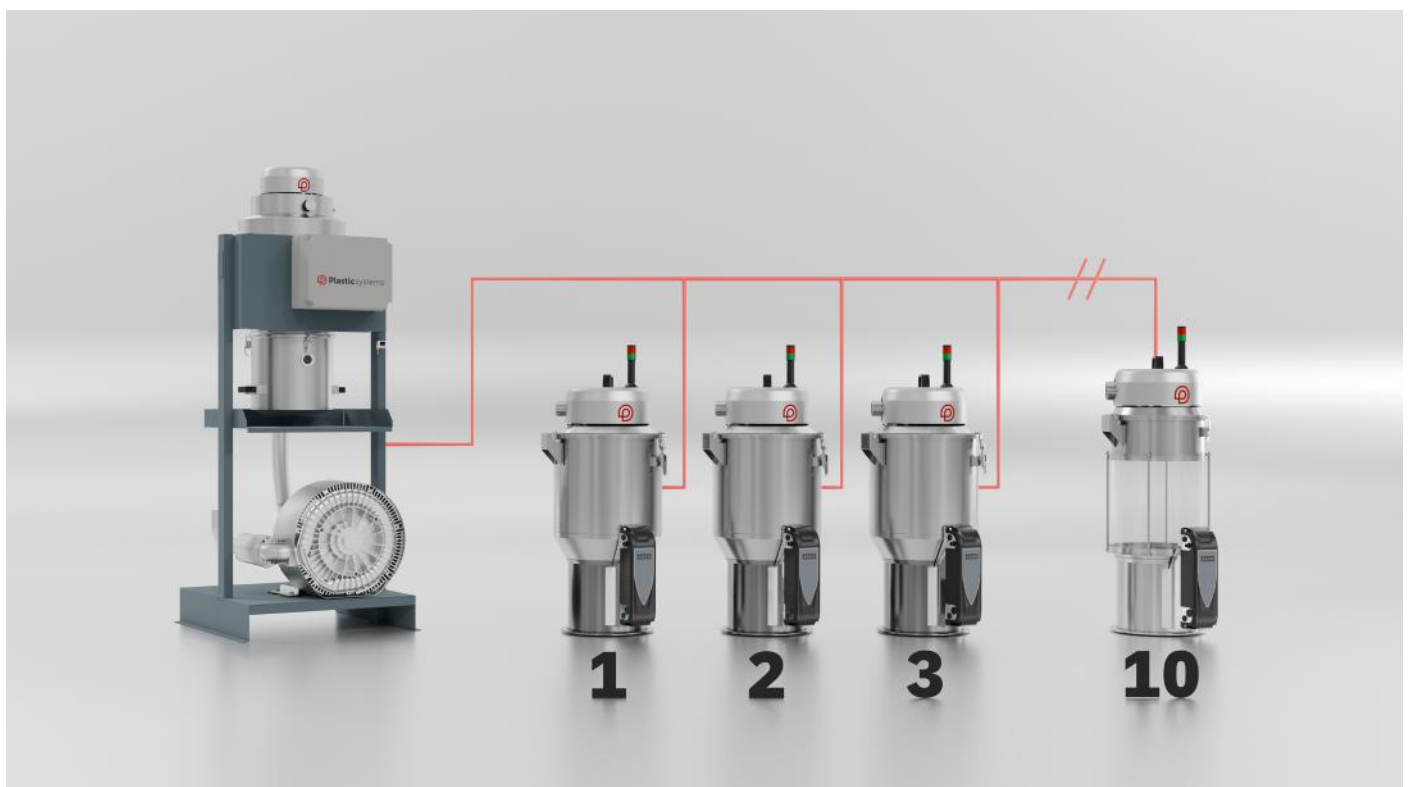
TECHNICAL FEATURES:

- Server with microprocessor or PLC control;
- Control of up to 70 receivers and 10 blowers;
- Automatic blower change-over management;
- Touch panel login with RFID technology;
- Material decoding with RFID technology;
- MWS weighing ring management for total material consumption tracking;
- Color touchscreen;
- Up to 5 automatic manifolds;
- Wi-Fi interface capability;
- Barcode management for material selection;
- Customization and integration with storage/dehumidification systems;
- Integrable with Easyway supervision system.

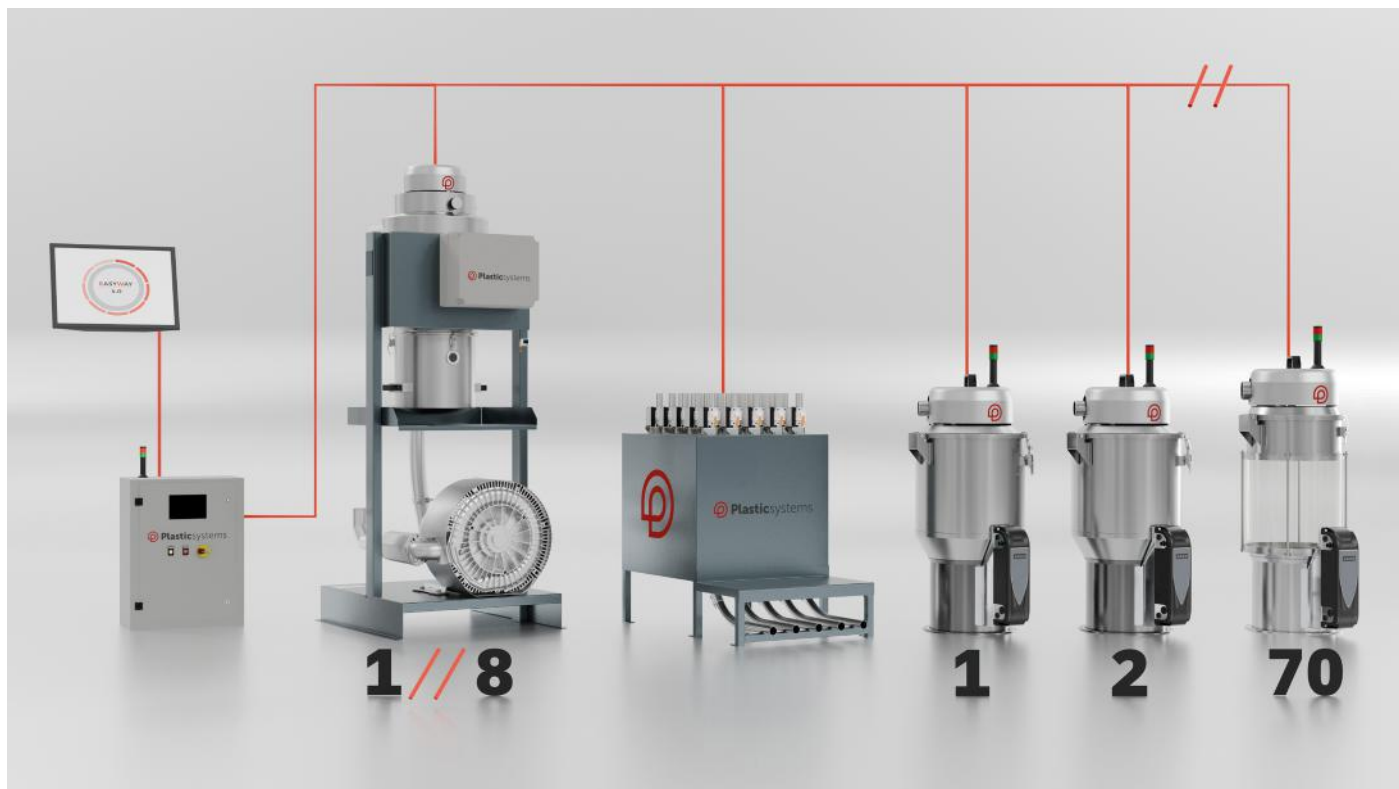
COMPATIBLE ACCESSORIES:

- Operation history traceability;
- MMS conveying speed management;
- DDP LED TV display panel;
- Operator login with RFID.

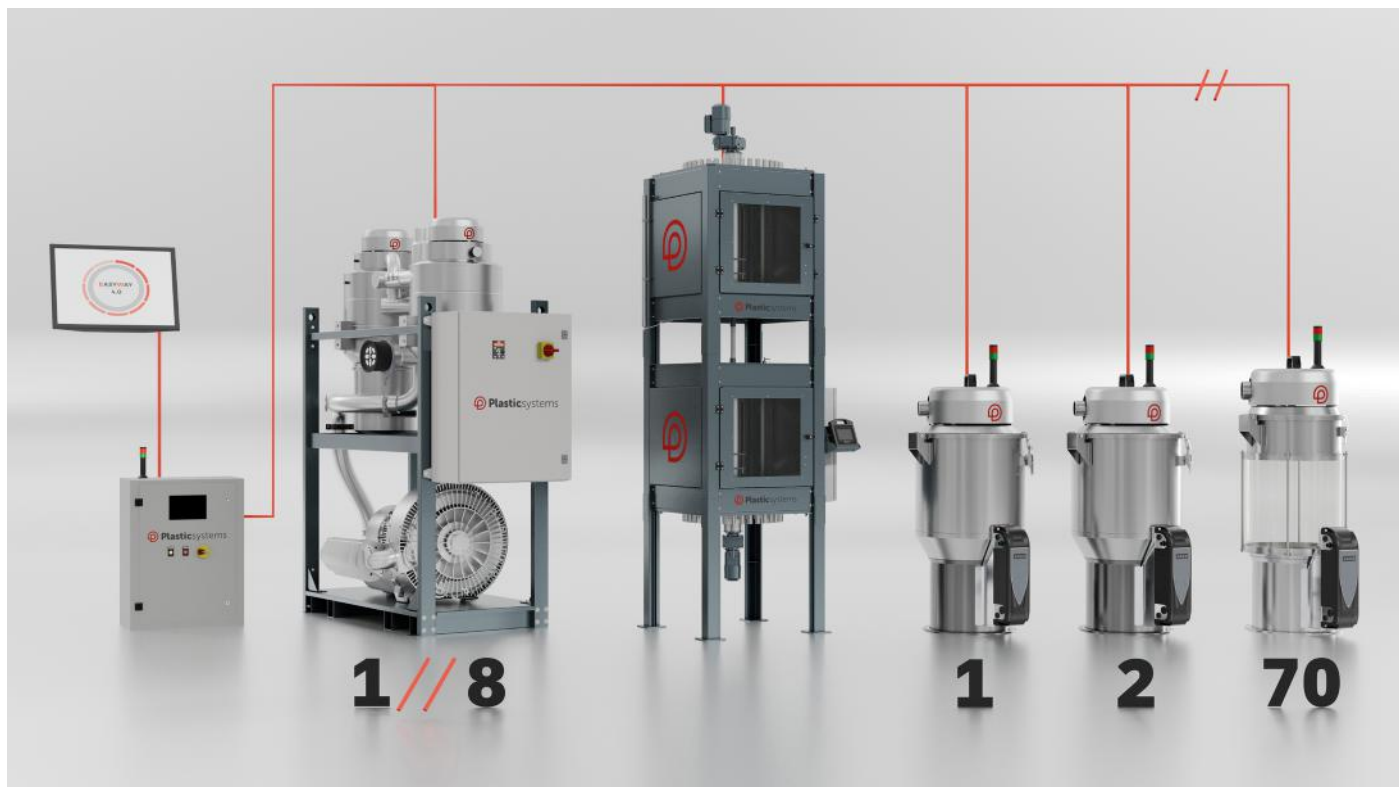
EASY MATRIX SERIES



MATRIX PCB SERIES



MATRIX PLC SERIES



CHAPTER 4 – EASYWAY SUPERVISION SYSTEM



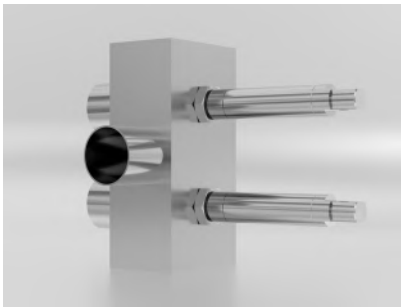
EASYWAY

It is an innovative supervision system that enables full or partial management of **industrial plants** in compliance with Industry 4.0 directives. The system interacts intelligently with plant machinery, automating and optimizing production management for increased efficiency and operational simplicity.

TECHNICAL FEATURES:

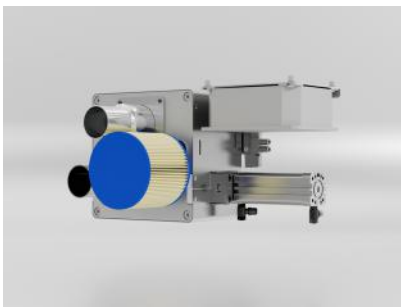
- Possibility to connect Plastic Systems machines with HMI interface;
- Display of key machine information;
- Option to create customized layouts;
- Interfaceable with management systems via OPC-UA and SQL Server database;
- Scheduled preventive maintenance planning;
- Trends of key machine data;
- Machine recipe management;
- Production order management and download of machine operating parameters;
- Remote assistance;
- Remote client access;
- Possibility to integrate third-party machines;
- Control of dehumidification and dosing systems;
- Traceability.

CHAPTER 5 – ACCESSORIES



DUO SERIES | VALVE

Valve suitable for vacuum connection between a three-phase feeder from the PD-PDC series and two receivers from the LDM-LDP series.



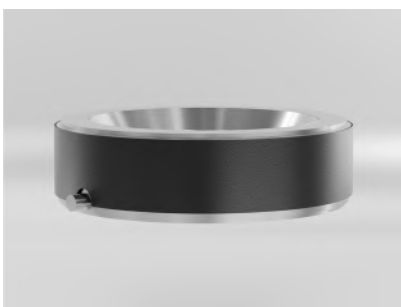
3WAY SERIES | THREE-WAY VALVE

Diverter valve that allows the splitting of a material line. Suitable for vacuum pneumatic conveying of plastic granules.



PVN SERIES | PROPORTIONAL VALVE

Valve installed at the material inlet of a VLM-LDM-TMM series receiver, used to convey two different materials (such as virgin and regrind) and mix them together proportionally.



MWS SERIES | WEIGHING RING

Device equipped with load cells, installed directly beneath a VLM-LDM-TMM series material receiver, designed to calculate the discharged material flow rate and totalize the quantity.



VPC SERIES | PIPELINE CLEANING VALVE

Valve suitable for cleaning the active material line at the end of each feeding cycle, controlled by three-phase blowers from the PD-PDC-PM-PMC series.



RP SERIES | COOLERS FOR VACUUM UNITS

Air/water heat exchanger installed at the intake of a three-phase blower from the PD-PDC-PM-PMC series, suitable for cooling the hot intake air and preventing damage caused by overheating.



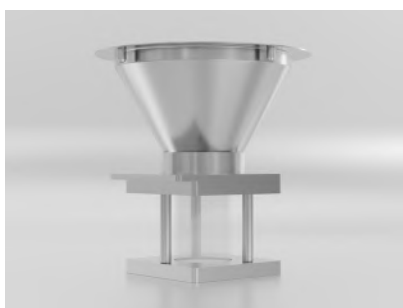
HM SERIES | MAINTENANCE HOPPER

Maintenance hopper designed to accumulate and discharge material directly above the machine feed throat. Non-insulated model.



HMC SERIES | INSULATED MAINTENANCE HOPPER

Maintenance hopper designed to accumulate and discharge material directly above the machine feed throat. The insulation prevents the material from cooling.



HMX SERIES | PYREX MAINTENANCE HOPPER

Maintenance hopper designed to accumulate and discharge material directly above the machine feed throat. The Pyrex glass discharge cylinder allows visual inspection of the material.



B SERIES | SIDE DISCHARGE BASE

Mounting base equipped with side discharge for quick material emptying during cleaning operations.

CHAPTER 6 – MATERIAL STORAGE



C SERIES | STORAGE CONTAINERS

Plastic Systems' C series storage containers are designed **to ensure effective preservation and management of plastic materials**, offering versatile and safe solutions for industrial needs. Standard sizes range from 100 to 1700 liters. All models come equipped with brake wheels, discharge shutter, suction probe insertion pipe, and closing lid. Upon request, the following options are available: flange for automatic feeder connection, material level sensors, multi-way suction drawers, and bag breaker grid.

The CS version is suitable for poorly flowing materials, such as regrind and flakes. It is equipped with a level sensor, dual suction probe, and a fluidization system.

TECHNICAL FEATURES:

- Full stainless steel construction;
- Hermetically sealed lid;
- Swivel wheels with brake;
- Suction probe.

ADDED VALUE:

- Easy installation;
- User-friendly operation;
- Quick cleaning.

COMPATIBLE ACCESSORIES:

- Bag breaker grid;
- Level sensor;
- Magnetic grid;
- Product fluidization systems;
- Pipeline cleaning valve;
- Flange for feeder connection;
- Additional suction probe.

C SERIES | STORAGE CONTAINERS

	C100	C200	C350	CS350	C800
Hopper capacity (dm ³)	100	200	350	350	800
Dimensions WxDxH (mm)	580x580x1000	700x650x1200	820x800x1250	1230x1090x1310	980x960x1750
Weight (kg)	24	30	40	80	60

OCTI SERIES | OCTABIN INCLINATORS

Plastic Systems' tipper is an advanced solution **for the efficient and safe emptying** of industrial containers such as octabins and gaylords. **Designed to optimize material handling operations**, this system ensures consistent product withdrawal, minimizing manual intervention and increasing productivity.

TECHNICAL FEATURES:

- Compatibility with containers up to 200 cm in height: suitable for a wide range of octabins and gaylords;
- Controlled tilting system: facilitates container emptying;
- Fully automated operation: eliminates the need for manual intervention, increasing safety and efficiency;
- Available in versions with load cells or palletizable design.

ADDED VALUE:

- Operational efficiency: reduces emptying time and minimizes material loss;
- Enhanced safety: eliminates manual intervention, reducing the risk of injury;
- Flexibility: suitable for various container sizes and types.





SBB/SBBC SERIES | BIG-BAG UNLOADERS

The SBB series big-bag unloader is a solution designed for emptying big-bags containing granules, powders, or flakes. Its modular and telescopic structure adapts to **bags of various sizes**. To handle poorly flowing materials, such as regrind or powders, it can be equipped with bag shakers, bridge-break devices, and fluidization systems, ensuring consistent and continuous material flow. A convenient **electric hoist**, included in the SBBC version, facilitates loading operations—making this machine a versatile and reliable solution for big-bag handling.

TECHNICAL FEATURES:

- Capacity up to 1,500 kg;
- Modular and telescopic structure, adaptable to bag size;
- Bridge-break device application;
- Safety support for bag opening.

COMPATIBLE ACCESSORIES:

- Bag shakers;
- Fluidization systems;
- Mechanical extractors;
- Bridge-break devices;
- Weighing systems.

ADDED VALUE:

- Adaptability to different big-bag sizes;
- Versions available for handling regrind or powders;
- Customization available based on customer requirements;
- Electric hoist for loading operations, improving ergonomics and safety.



RIB SERIES | TIPPERS

This machine allows the plastic pellets stored inside an octabin to be emptied into a storage hopper through **lifting and subsequent tipping**. This enables rapid emptying of the material, ensuring high hourly throughput.

The structure is designed to ensure stability and safety during all phases of the operating cycle, minimizing the need for operator intervention.

Additionally, the system is integrated with level sensors, locking devices, and PLC interfaces for fully automated process control.

This solution is particularly **suitable for facilities handling plastic materials**, where maintaining a constant and reliable flow to the next processing stages is essential.

TECHNICAL FEATURES:

- Side protection panels made of perforated sheet metal with safety system;
- Tipping mechanism operated by chains;
- Customizable discharge height from the ground;
- Clamping grippers;
- Control panel.

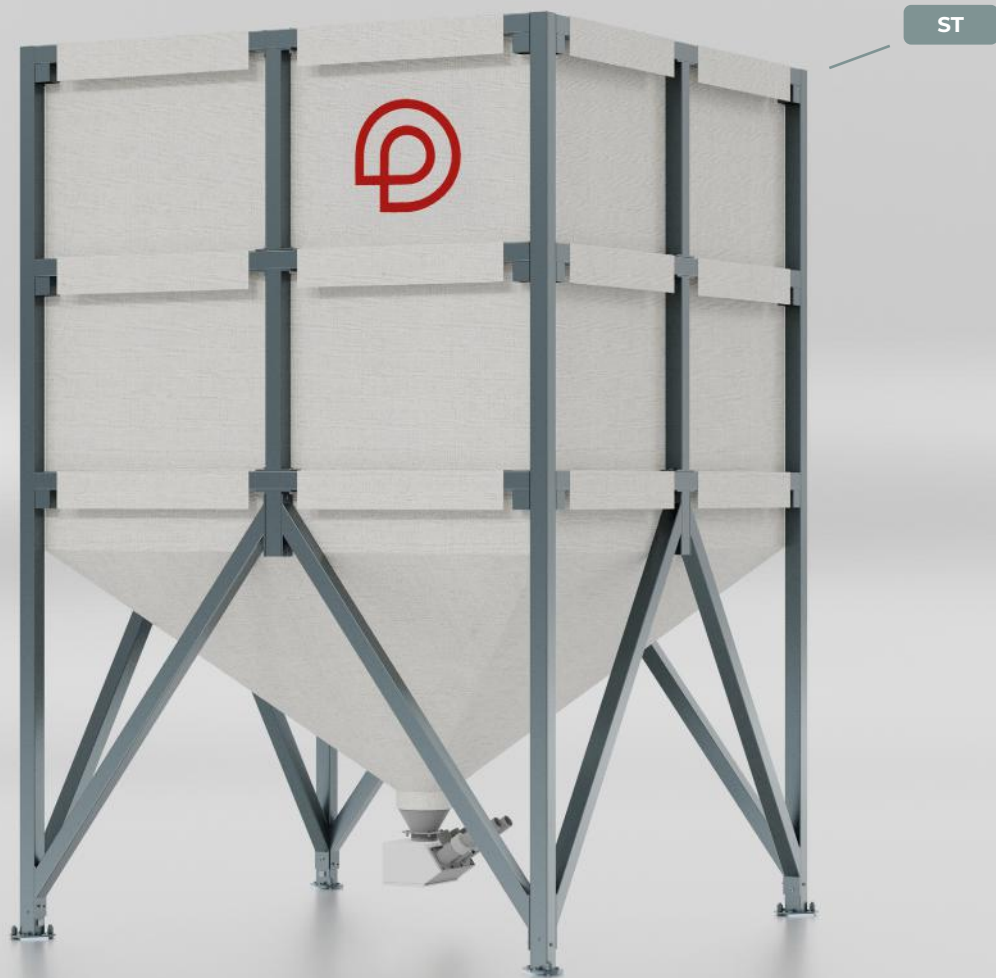
ADDED VALUE:

- Maximum operator safety;
- Flexible configuration;
- Excellent visibility during operation;
- User-friendly operation.

COMPATIBLE ACCESSORIES:

- Suction or pressure conveying system;
- Load cells;
- Optical safety barriers.





ST SERIES | FABRIC SILOS

Reinforced and breathable fabric silos offer a **more versatile and cost-effective solution** for indoor storage of granules, regrind, and powder materials.

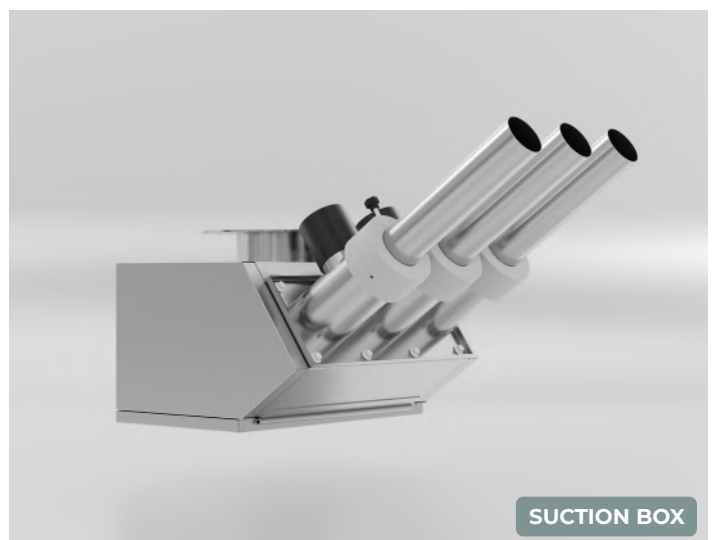
They are particularly suitable for systems where **design flexibility** is essential.

TECHNICAL FEATURES:

- Capacity from 2 to 60 m³;
- Antistatic fabric;
- Modular steel support structure;
- Inspection window.

COMPATIBLE ACCESSORIES:

- Load cells;
- Vibrating bottom;
- Suction box with pickup probe;
- Mechanical extractors;
- Level sensors.





CQ

CQ SERIES | MODULAR CONTAINERS

Modular containers represent a **smart solution** for material storage.

Thanks to their scalable structure, capacity can be progressively expanded, **adapting to plant evolution** without invasive structural modifications.

TECHNICAL FEATURES:

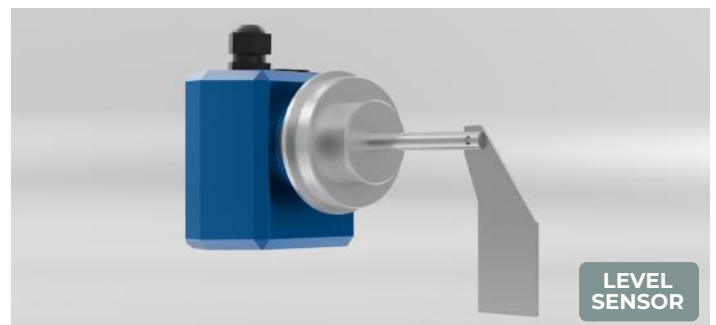
- Capacity from 1,000 to 20,000 liters;
- Modular structure;
- Compatibility with pneumatic conveying systems;
- Stainless steel structure.

COMPATIBLE ACCESSORIES:

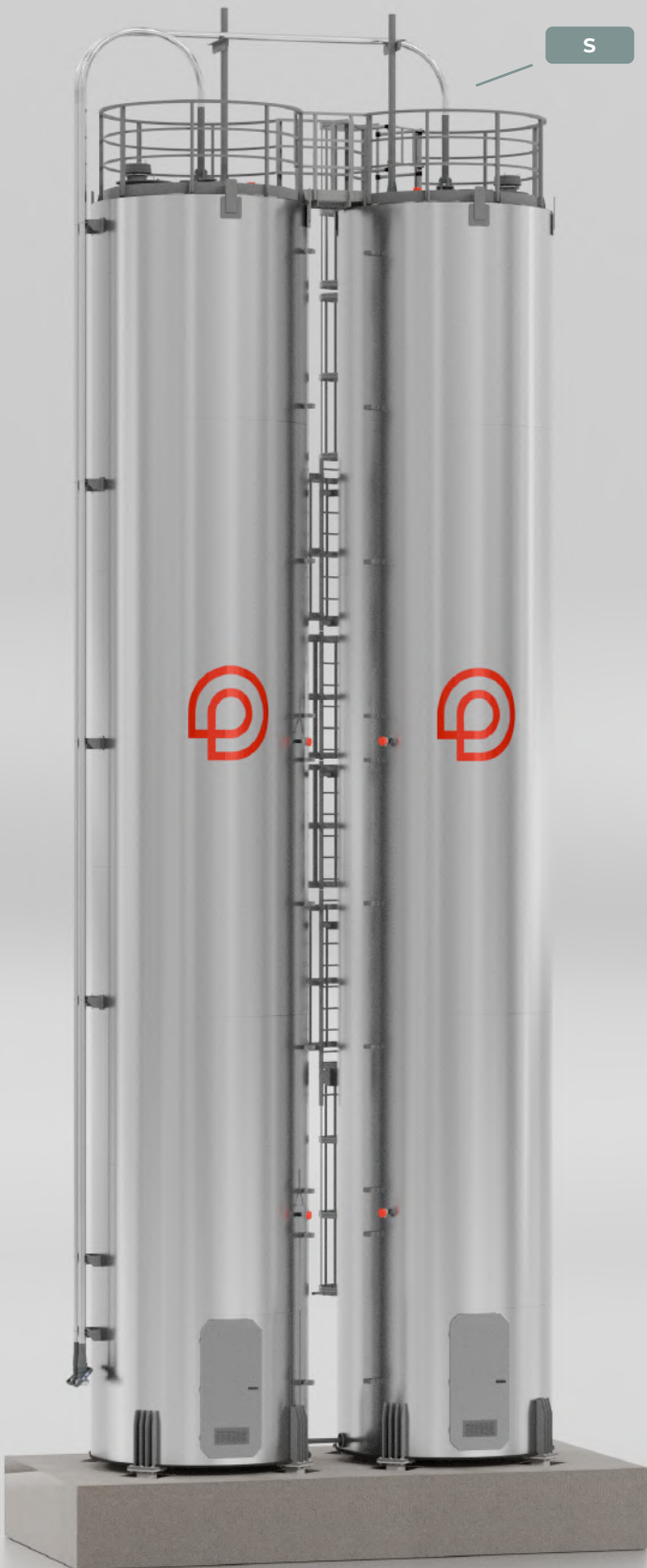
- Flange for feeder connection;
- Material level sensors;
- Multi-way suction drawers;
- Mechanical extractors.

ADDED VALUE:

- Maximum space utilization;
- Low maintenance;
- Easy transport and assembly.



LEVEL
SENSOR



S SERIES | STORAGE SILOS

Plastic Systems provides its expertise in know-how and engineering for the design and customization of storage silos for granules, regrind, and powders.

We manufacture monolithic or modular storage silos in aluminum, steel, or stainless steel, with either long or short skirts. Silos can be customized with centralized filtration systems, explosion protection systems, static mixing systems, thermal insulation, and mechanical extraction components.

TECHNICAL FEATURES:

- Capacity ranging from 50 m³ to 1,000 m³;
- Full construction in stainless steel, aluminum, or carbon steel;
- Monolithic or panel construction;
- Short skirt or long skirt configuration;
- Discharge cone designed according to the stored material;
- Ladders, railings, and connecting walkways;
- Loading pipes.

COMPATIBLE ACCESSORIES:

- Weighing systems;
- Mechanical extraction systems;
- Suction valve;
- Level sensors;
- Protection systems;
- Fluidization systems;
- Local control;
- Insulation;
- Static mixing systems.

MVP SERIES | VERTICAL MIXERS

The MVP series vertical mixers are designed to ensure both storage and mixing of plastic materials in granule or flake form. Available in various capacities, **they suit all production needs** — from small to large scale. They can be equipped with optional accessories such as forced material loading systems, load cells, level sensors, and integrated control panels. The mixers can be built in **carbon steel** or **stainless steel**, and the unit can be customized for handling highly abrasive materials.

TECHNICAL FEATURES:

- Loading hopper with safety grid;
- Enclosed mixing screw;
- Bottom discharge pipe equipped with butterfly valve;
- Visual level indicator;
- Inspection door on the cylinder;
- Electrical control panel.

COMPATIBLE ACCESSORIES:

- Level sensor;
- Connection for suction probe;
- Flange for feeder or cyclone connection;
- Top discharge pipe equipped with pneumatic butterfly valve;
- Forced loading hopper.



VERTICAL MIXERS

	MVP 500	MVP 1000	MVP 1800	MVP 2500	MVP 3500	MVP 5000	MVP 8000	MVP 10000	MVP 14000	MVP 16000	MVP 20000
Capacity (dm ³)	500	1000	1800	2500	3500	5000	8000	10000	14000	16000	20000
Noise level (dBA)	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Power (kW)	2.2	4	5.5	5.5	7.5	7.5	7.5	11	11	15	18.5
Weight (kg)	220	300	460	490	610	800	1070	1200	1350	1500	2200



GCS SERIES | THRUST LOADING GROUPS

Pushing loading units are ideal for pressure pneumatic conveying from a compact ground station to both indoor and outdoor storage silos. **Hourly capacities range from 500 to 15,000 kg/h**, depending on conveying distances. They are suitable for emptying 25 kg bags, big bags, and octabins.



TECHNICAL FEATURES:

- Stainless steel discharge hopper;
- Painted steel frame;
- Safety grid;
- Rotary valve suitable for pressure pneumatic conveying;
- Control panel;
- Optional level sensor.

ADDED VALUE:

- Customizable hopper based on available space;
- Specific version available for regrind handling;
- Customization available according to customer requirements.

SERIES G | GRANULATORS

The Series G granulators are an **ideal solution for reclaiming process scrap in injection molding and blow molding**, offering high energy efficiency. Available in three models (with blades of 150, 300, and 450 mm), they feature a steel rotor with shear cutting, an integrated safety system, and a compact design for easy maintenance and reliable performance.



	G20/15	G20/30	G20/45
Rotor diameter (mm)	200	200	200
Rotor width (mm)	150	300	450
Screen holes (mm)	4/5/6/8	4/5/6/8	4/5/6/8
Feed opening (mm)	230x150	230x300	230x450
Power (kW)	1,5	3,0	4,0

Available upon request, the **GS series** offers a low-speed solution with integrated inverter control.



SVS/SVST SERIES | AUTOMATIC BAG EMPTYING UNITS

The **SVS bag emptying unit** is designed for processing companies that handle **25 kg bags**. It is a compact and automated solution aimed at optimizing the production process. The **SVST series** is equipped with a telescopic arm, allowing for a reduced overall machine height, making it easily adaptable to spaces with structural limitations or specific plant layout requirements.

TECHNICAL FEATURES:

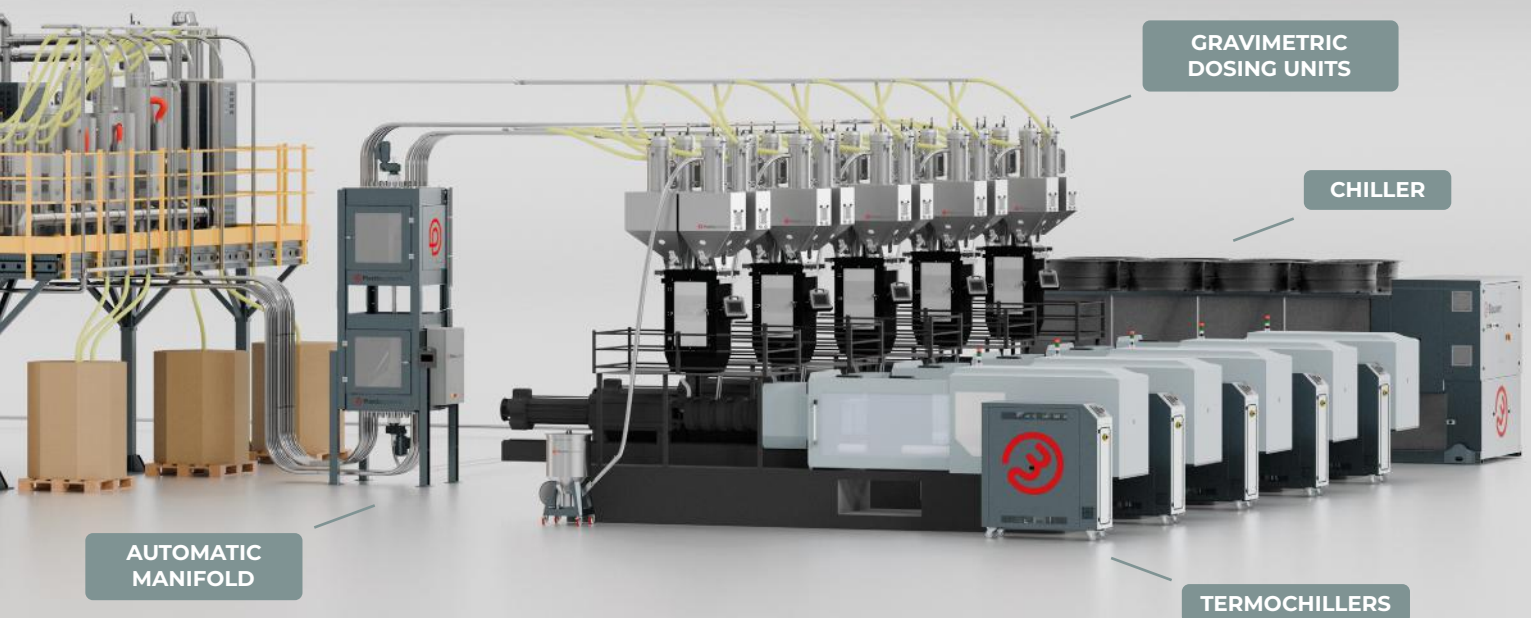
- Processing capacity of up to 110 bags per hour;
- Depalletizing system with pneumatic vacuum gripper and laser sensors;
- Disposal of empty bags into a dedicated container;
- Intelligent control with 10" touch-screen PLC interface;
- Customizable modular design.

ADDED VALUE:

- Elimination of human intervention, increasing productivity;
- Waste reduction through complete bag emptying;
- Direct interface with company systems;
- Perimeter guards and advanced safety sensors.

COMPLETE CENTRALIZED SYSTEM





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