





ALL AROUND
YOUR SHAPE



“With over 30 years of experience, we design, manufacture, and market advanced solutions for PET processing. Our systems ensure reliable storage, conveying, dehumidification, and dosing of granules and flakes, delivering maximum efficiency and quality in PET transformation.”

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



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CHAPTER 1 – DRYING



DR.RE920



DR.RE920



DR.RE SERIES | TWIN-TOWER DRYERS

The **DR.RE dryer represents** the most efficient drying evolution of twin towers drying technology. Thanks to a completely redesigned structure, the system delivers **superior performance** in terms of energy efficiency, material quality, and ease of maintenance.

The new architecture features a dual filtration system, a newly patented fan configuration, and a simplified closed-loop circuit that ensures **a significant reduction in pressure losses and energy consumption**. The result is an intelligent, connected system optimized for the most advanced production requirements in PET recycling and drying.

TECHNICAL FEATURES:

- Specifically designed for treatment of rPET material;
- Dual filtration system with 47% more capacity compared to previous models;
- Newly patented process fan design, positioned after the drying towers.
- 15% lower energy consumption on fans;
- Enlarged heat exchanger for 45% higher cooling capacity;
- Overall energy recovery increased by 25% thanks to the elimination of the oil condenser;
- Synchronized maintenance between machine and dryer;
- 50% reduction in maintenance time thanks to quicker and more accessible interventions;
- Optimized closed-loop circuit with 15% less pressure loss.

COMPATIBLE ACCESSORIES:

- Turbofan version available;
- Dew Point control instrument;
- Energy saving kit;
- Electrical panel air conditioner;
- Load cells for material weight reading in the hopper;
- Level sensor;
- Load cells for weight control of the drying towers;
- Electrical panel inverter.

ADDED VALUE:

- Energy efficiency;
- Advanced drying performance;
- Easy maintenance;
- Integrated connectivity;
- Sustainable solution.

DR.RE SERIES | TWIN TOWER DRYERS

	Voltage	DR.RE917	DR.RE920	DR.RE925	DR.RE935	DR.RE941
Maximum airflow rate (m ³ /h)	-	1700	2200	2400	3400	3700
Process temperature (°C)	-	50÷190	50÷190	50÷190	50÷190	50÷190
Dew Point (°C)	-	-60	-60	-60	-60	-60
Static pressure (mbar)	-	250	250	250	250	200
Process heaters (kW)	400/50 400/60 460/60	30	36	54	54	81
Regeneration heaters (kW)	400/50 400/60 460/60	12	12	18	18	24
Process blowers (kW)	400/50 400/60 460/60	5.5 6.5 6.5	7.5 9 9	12.5 17.5 17.5	15 18 18	12.5+12.5 17.3+17.3 17.3+17.3
Regeneration blower (kW)	400/50 400/60 460/60	0.85 0.95 0.95	0.85 0.95 0.95	1.6 2.05 2.05	1.6 2.05 2.05	4 4.8 4.8
Hopper capacity (dm ³)	-	2000÷ 12000	2000÷ 12000	2000÷ 12000	2000÷ 12000	2000÷ 12000
Noise level (dBA)	-	<80	<80	<80	<80	<80



DRV SERIES | CONTINUOUS VACUUM DRYERS

The DRV Series is **the most innovative and advanced drying system on the market**, featuring multiple patents by PET Solutions. It is designed primarily for recycled materials but also extends its application to virgin materials.

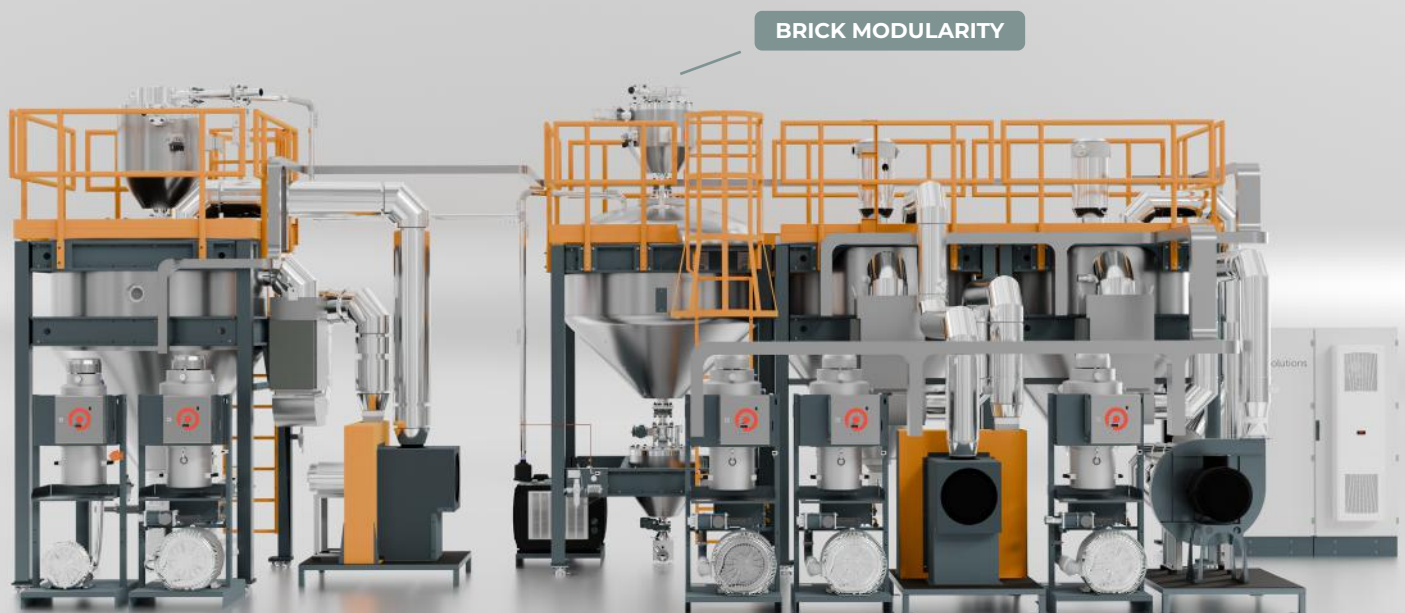
The DRV Series **is equipped with vacuum process technology** that enables the extraction of VOC contaminants (such as Benzene, Limonene, etc.) commonly found in rPET due to the presence of foreign substances (like metal, glass, paper), additives, and immiscible polymers (such as PVC, PP, etc.).

Thanks to this vacuum technology, **the system no longer requires molecular sieves and makes oil condensers obsolete**, as it is capable of removing all VOC contaminants directly through the vacuum process.

The range covers production **capacities from 500 to 1500 kg/h**, with a final residual moisture content of less than 40 ppm.

TECHNICAL FEATURES:

- Microprocessor control with 7" TOUCH display and easy programming (material type selectable from database and consumption per hour);
- PLC control;
- 4 hoppers for 4 drying phases (pre-heating, heating, vacuum & maintenance);
- Liquid ring vacuum pump;
- Temperature control and management during the drying phases;
- Level sensors for residence time monitoring;
- Temperature sensors for process management;
- Automatic shutdown to prevent pellet degradation;
- RS485 Modbus interface.



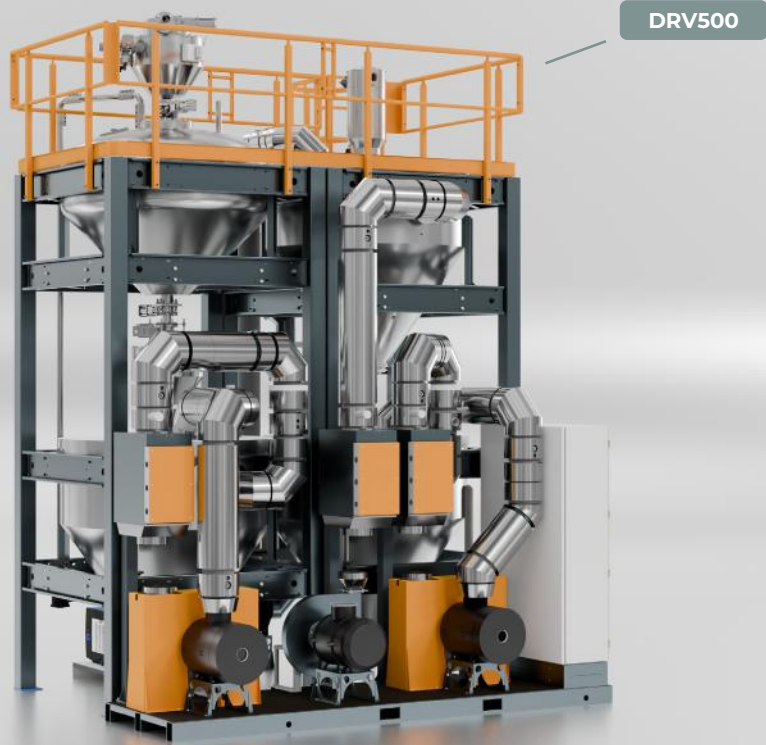
ADDED VALUE:

- Material changeover and system startup: the DRV series technology reduces material changeover time by 65%, cutting it from 6 hours (standard drying) to 2 hours (vacuum drying);
- Energy consumption reduction: the vacuum system ensures energy usage between 70 and 80 W/kg depending on the application with virgin or rPET material. A traditional system can consume up to 120 W/kg with rPET;
- Reduced maintenance: maintenance is limited to simple filter cleaning—no traditional heat exchangers or molecular sieves are required, as in standard drying systems;
- Easy control: the user interface with multilingual digital display and keypad provides continuous machine monitoring, highlighting key parameters such as temperature, material level in the hopper, vacuum level, etc.;
- Utility reduction: the system requires only electrical and pneumatic connections, eliminating the need for HTC network connection;
- Effective removal of residual oil contaminants from the process air generated by recycled plastic material.

DRV SERIES | CONTINUOUS VACUUM DRYERS

	Voltage	DRV500	DRV1000	DRV1500
Maximum airflow rate (m ³ /h)	-	100	150	500
Process temperature (°C)	-	50÷190	50÷190	50÷190
Dew Point (°C)	-	-60	-60	-60
Static pressure (mbar)	-	50	50	50
Preheating hopper process heaters (kW)	400/50 400/60 460/60	27	40.5	40.5+27
Preheating hopper process fan (kW)	400/50 400/60 460/60	4 4.6 4.6	7.5 8.6 8.6	9.2 10.6 10.6
Heating hopper process heaters (kW)	400/50 400/60 460/60	40.5	40.5+40.5	40.5+40.5
Heating hopper process fan (kW)	400/50 400/60 460/60	4 4.6 4.6	7.5 8.6 8.6	9.2 10.6 10.6
Post-process heating hopper heaters (kW)	400/50 400/60 460/60	13.5	27	27
Post-process heating hopper fan (kW)	400/50 400/60 460/60	4 4.6 4.6	7.5 8.6 8.6	9.2 10.6 10.6
Vacuum system pump (kW)	400/50 400/60 460/60	4.2 4.8 4.8	4.2 4.8 4.8	4.2 4.8 4.8
Noise level (dBA)	-	<80	<80	<80







DSH SERIES | MOLD DRYERS

The DSH series mold dryers are the **ideal solution for eliminating condensation on injection and blow molding tools.**

This product range **uses desiccant rotor technology** for air drying, allowing a dew point of up to -10°C to be achieved.

Depending on the model, the air flow rate ranges from **1,000 to 3,000 m³/h**, making them suitable for use with one or more processing machines.



TECHNICAL FEATURES:

- Microprocessor control unit manages the machine's operation, ensuring a constant dew point through PID-regulated regeneration;
- Panel filter for simplified cleaning and improved accessibility;
- Air pre-cooling via heat exchanger using low-temperature water (7–10°C);
- Drain pump with integrated float for removal of condensed water;
- High-pressure fan for effective and efficient air distribution to the desiccant rotor, ensuring a stable process even in tropical conditions (up to 40°C and 90% humidity);
- RS 485 Modbus interface.

ADDED VALUE:

- Production quality: no production waste caused by moisture on the mold, and elimination of mold corrosion risk and related maintenance;
- Consistent process thanks to the system's ability to adapt to any climatic condition;
- Wide range of models to meet every customer need and suit any plant environment.

COMPATIBLE ACCESSORIES:

- Post-cooler (to reduce the temperature of the outlet air);
- External dewpoint sensor (to enable automatic start/stop of the machine during periods of low humidity).

DSH SERIES | MOLD DRYERS

	Voltage	DSH1 000.2C	DSH1 000.2T	DSH1 200.2C	DSH1 200.2T	DSH1 800.2C	DSH1 800.2T	DSH 2400.2C	DSH 2400.2T	DSH 3000.2C	DSH 3000.2T
Maximum airflow rate (m ³ /h)	-	1000	1000	1200	1200	1800	1800	2400	2400	3000	3000
Process temperature (°C)	-	25	25	25	25	25	25	25	25	25	25
Dew Point (°C)	-	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Static pressure (mbar)	-	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Process blower power (kW) *	400/50	2.2	2.2	2.2	3	3	3	3	3	3	3
Regeneration blower power (kW) *	400/50	-	-	-	-	-	-	1.1	1.1	1.1	1.1
Regeneration heating power (kW) *	400/50	15	15	15	15	22.5	22.5	22.5	22.5	22.5	22.5
Installed power (kW) *	400/50	17.9	17.9	19	19	26.5	26.5	27.2	27.2	27.2	27.2
Cooling water flow rate (l/min)	-	53	77	70	126	105	175	114	208	132	244
Cooling water power (kW)	-	15.2	20.5	20	35.6	29.6	49.5	32	59	37	68
Cooling water temperature (°C)	-	7÷11	7÷11	7÷11	7÷11	7÷11	7÷11	7÷11	7÷11	7÷11	7÷11
Noise level (dBA)	-	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80

* "C" Continental T= 33°C Dp= 18°C Wb=22 °C // "T" Tropical T= 40°C Dp= 25°C Wb= 29°C.



DSH RDP SERIES | MOLD DRYERS

The RDP series mold dryers provide an **effective solution for eliminating condensation on molds** used in injection and blow molding processes.

Thanks to refrigeration circuit technology, **these systems ensure optimal air drying**, reaching a dew point of up to +6°C - an ideal value for approximately 90% of industrial applications.

The range includes models with various airflow capacities, **from 2,400 to 7,000 m³/h**, which can be connected to one or more processing machines, ensuring maximum operational flexibility.



TECHNICAL FEATURES:

- Adjustable process air temperature from 6°C to 20°C;
- Variable-speed compressors managed by inverter;
- High-pressure process fans, also inverter-controlled, to ensure the correct airflow and maximize energy efficiency (the system maintains stable operation even in tropical climates, with temperatures up to 40°C and humidity up to 90%);
- Microprocessor control with PID-regulated regeneration to ensure a constant dew point and optimize machine performance;
- Panel filtration system for easier cleaning and improved accessibility;
- Drain pump with integrated float for automatic removal of condensed water;
- RS 485 interface with Modbus protocol;
- Aftercooler to reduce the temperature of the outlet air.

ADDED VALUE:

- Energy efficiency thanks to refrigeration circuit technology, which delivers energy savings up to three times greater compared to desiccant rotor systems;
- Production quality, with no waste caused by moisture on the mold and elimination of corrosion risk and related maintenance;
- Consistent process due to the system's ability to adapt to any climatic condition;
- Wide product range designed to meet all customer requirements and suit any plant environment.

COMPATIBLE ACCESSORIES:

- Post-cooler (to reduce the temperature of the outlet air);
- External dew point sensor (to enable automatic start/stop of the machine during periods of low humidity).

DSH RDP SERIES | MOLD DRYERS

	Voltage	DSH 2403.2C	DSH 2403.2T	DSH 3003.2C	DSH 3003.2T	DSH 5003.2C	DSH 5003.2T	DSH 7003.2C	DSH 7003.2T
Maximum airflow rate (m ³ /h) W	-	2400	2400	3000	3000	5000	5000	7000	7000
Process temperature (°C)	-	6÷18	6÷18	6÷18	6÷18	6÷18	6÷18	6÷18	6÷18
Dew Point (°C)	-	6÷15	6÷15	6÷15	6÷15	6÷15	6÷15	6÷15	6÷15
Compressor (kW) *	400/50	15	15	15	15	15	15	15	15
Process blower power (kW) *	400/50	11	11	15	15	22	22	37	37
Condensate discharge pump power (kW) *	400/50	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
Cooling water flow rate (l/min)	-	110	130	140	170	250	300	310	380
Cooling water power (kW)	-	31.4	38.3	43	52.5	75.2	92.6	109.2	134.4
Cooling water temperature (°C)	-	10÷34	10÷34	10÷34	10÷34	10÷34	10÷34	10÷34	10÷34
Noise level (dBA)	-	<80	<80	<80	<80	<80	<80	<80	<80

* "C" Continental T= 33°C Dp= 18°C Wb=22 °C // "T" Tropical T= 40°C Dp= 25°C Wb= 29°C.



H SERIES | DRYING HOPPERS

The H Series drying hoppers for PET material **offer a wide range of sizes** to meet the production requirements of the customer's processing machine.

The design and operation of the hopper enable **optimal dehumidification of the material with high performance**: the hoppers, combined with various dehumidification systems, feature technical solutions specifically developed to ensure maximum efficiency in the drying process of the plastic material.

The H Series includes more than 20 sizes in various available configurations. Additionally, PET Solutions offers the possibility to **customize the hopper to provide a tailor-made solution for the customer**.

TECHNICAL FEATURES:

- Configuration with single, split, or multi-hopper;
- Stainless steel hoppers;
- Central diffuser cone;
- Rock wool insulation;
- Caged ladder and guardrails compliant with safety standards (CE/OSHA);
- Inspection door;
- Material discharge damper.

ADDED VALUE:

- Customization: possibility to personalize and size according to production requirements;
- Air flow efficiency: efficiency of the airflow inside the drying hopper;
- Thermal insulation: the hopper's insulated lining ensures excellent thermal insulation of the material;
- Over 20 sizes available in the catalog;
- Ease of inspection and cleaning.

COMPATIBLE ACCESSORIES:

- Load cells for material weight measurement;
- Level rod for material level detection;
- Hopper base.



H8000

CHAPTER 2 - DOSING



DUG SERIES | GRAVIMETRIC DOSING UNITS

The DUG Series has been designed to **ensure optimal and efficient automatic dosing** of masterbatches, additives and regranulated material. These units combine design and technology into a synergistic system that ensures high flexibility, adapting to various dosing requirements on injection molding machines, blow molding machines, and extruders.

The range stands out for the **wide variety of stainless steel screws** available in different diameters.

The screw profile allows precise and consistent dosing, while the inclined dosing screw shaft guarantees maximum performance in terms of accuracy and stability.

TECHNICAL FEATURES:

- Inclined shaft feeder;
- Driven by brushless motor;
- Control panel and 7" LCD display installed directly on the feeder or remotely (optional);
- Self-learning calibration and tuning with simple manual slide gate opening;
- Lower slide gate for material discharge;
- Flanged connecting base for units installation;
- Equipped with static mixer;
- RS485 Modbus/OPC-UA interface;
- Patented solution: the DUG features a dual load cell system.

ADDED VALUE:

- Recipes database;
- Fast color change and quick cleaning;
- Wide range of stainless steel dosing screws and barrels;
- Minimized material waste at the start of weighing process;
- Adaptable to various types of material;
- Customized units for high throughput application and regrind materials.

COMPATIBLE ACCESSORIES:

- Remote control panel and 7" touch LCD display ;
- Polished stainless steel hopper;
- Material shortage alarm with capacitive sensor;
- Venturi feeder for compressed air material loading;
- Mixer;
- Cooled version for high temperature application;
- 14l hopper with hopper loader support.

DUG SERIES | GRAVIMETRIC DOSING UNITS

	Voltage	DUG10	DUG10H	DUG30	DUG30H	DUG60H
Dosing range (kg/h)	-	0.07÷17.5	0.07÷17.5	0.15÷32.5	0.15÷32.5	4.5÷72
Rated power (kW)	110-230/50	0.16	0.16	0.16	0.16	0.16
Noise level (dBA)	-	<80	<80	<80	<80	<80
Weight (kg)	-	18	20	19	21	29
Water flow rate (l/min)	-	-	5	-	5	5
Air flow rate (NI/min) *	-	105	105	105	105	248

"H" = cooled version | * Venturi feeding system.

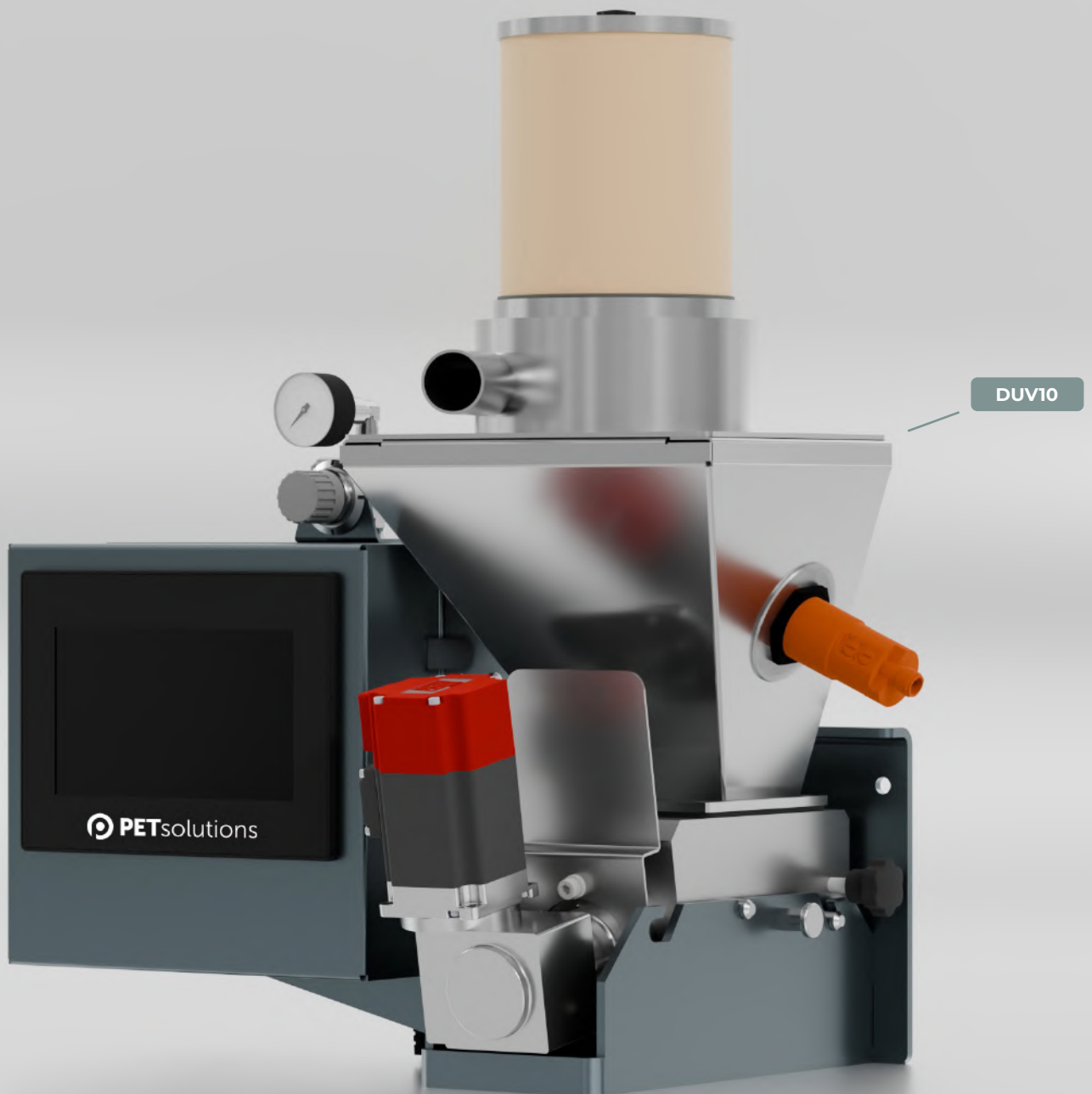


DUV SERIES | VOLUMETRIC DOSING UNITS

The DUV Series has been designed to **ensure optimal and efficient automatic dosing** of masterbatches, additives and regranulated material. These units combine design and technology into a synergistic system that ensures high flexibility, adapting to various dosing requirements on injection molding machines, blow molding machines, and extruders.

The range stands out for the **wide variety of stainless steel screws** available in different diameters.

The screw profile allows precise and consistent dosing, while the inclined dosing screw shaft guarantees maximum performance in terms of accuracy and stability.



TECHNICAL FEATURES:

- Inclined shaft feeder;
- Driven by brushless motor;
- Control panel and 7" LCD display installed directly on the feeder or remotely (optional);
- Self-learning calibration and tuning with simple manual slide gate opening;
- Lower slide gate for material discharge;
- Flanged connecting base for units installation;
- Equipped with static mixer;
- RS485 Modbus/OPC-UA interface.

ADDED VALUE:

- Recipes database;
- Fast color change and quick cleaning;
- Wide range of stainless steel dosing screws and barrels;
- Minimized material waste at the start of weighing process;
- Adaptable to various types of material;
- Customized units for high throughput application and regrind materials.

COMPATIBLE ACCESSORIES:

- Remote control panel and 7" touch LCD display ;
- Polished stainless steel hopper;
- Material shortage alarm with capacitive sensor;
- Venturi feeder for compressed air material loading;
- Mixer;
- Cooled version for high temperature application.
- 14l hopper with hopper loader support.

DUV SERIES | VOLUMETRIC DOSING UNITS

	Voltage	DUV10	DUV10H	DUV30	DUV30H	DUV60H
Dosing range (kg/h)	-	0.07÷17.5	0.07÷17.5	0.15÷32.5	0.15÷32.5	4.5÷72
Rated power (kW)	110-230/50	0.16	0.16	0.16	0.16	0.16
Noise level (dBA)	-	<80	<80	<80	<80	<80
Weight (kg)	-	18	20	19	21	27
Water flow rate (l/min)	-	-	5	-	5	-
Air flow rate (NI/min) *	-	105	105	105	105	248

"H" = cooled version | * Venturi feeding system.



CHAPTER 2 - FEEDING



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



PD SERIES | SUCTION UNITS

The PET Solutions PD Series includes a range of suction units designed for the **automatic conveying of plastic materials**, both granules and flakes. The line features 8 standard models with power ratings from 1.5 kW to 20 kW, capable of ensuring a conveying capacity of up to 3000 kg/h and covering distances up to 160 meters.

The units can be equipped with FZ paper filters or FC1, FC2, FC3, and FC8 filtration systems that use antistatic polyester cartridges, providing an effective combination of cyclonic effect and dust separation, an ideal solution for particularly dusty materials.

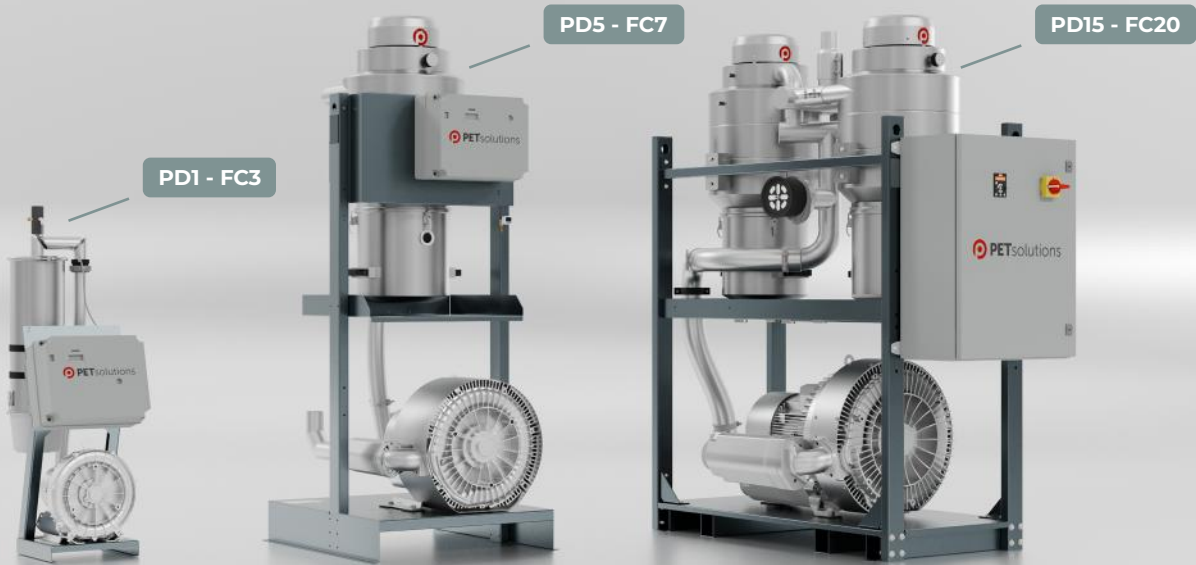
Plant control is managed by a microprocessor board with an integrated programming keypad, allowing intuitive and precise management of all operational functions.

Paired with the PD Series, PET Solutions **offers material receivers with removable filters in the “LDM” series** (constructed entirely in stainless steel) and the “LDX” series (featuring a central body made of Pyrex glass), distinguished by the following technical features:

PD SERIES | SUCTION UNITS

	Voltage	PD1	PD2	PD3	PD3	PD5	PD7	PD11	PD15	PD20
Suction capacity (kg/h)	-	200	300	400	400	600	1200	1500	2500	2800
Blower power (kW)	400/50	1.1	1.5	3	3	5.5	7.5	11	15	20
Maximum vacuum (kPa)	-	16	20	26	26	43	40	43	60	50
Filter	-	FC1	FC1	FC1	FC2	FC3	FC3	FC3	FC8	FC8
Compressed air consumption (NI/cycle)	-	1.2	1.2	1.2	2.14	2.14	2.14	2.14	1	1
Noise level (dBA)	-	<80	<80	<80	<80	<80	<80	<80	<80	<80

Suction distance: 25 m horizontal line; max 3 bends; operating altitude 0÷100 m.



TECHNICAL FEATURES:

- Side channel blowers from 1 to 3 stages;
- Integrated display for programming and alarm management;
- Power ranging from 1.5 kW to 20 kW;
- Self-cleaning filters with paper (FZ) or polyester (FC) cartridges and dust collection tray;
- Modular and compact frame design;
- High-efficiency filtration effect;
- RS485 ModBus interface.
- Patented system with removable mesh filter for quick and easy maintenance;
- Operation under high vacuum;
- Automatic filter cleaning;
- Discharge valve equipped with flap and wear-resistant seal;
- Air vent with door and integrated metal filter;
- Pneumatic discharge;
- Proportional valve;
- NAS valve on the material line for circuit isolation from the outside;
- Level sensor.

COMPATIBLE ACCESSORIES:

- Backpack filter (FZ) or cyclone filter (FC);
- Clogged filter alarm pressure switch;
- By-pass valve;
- Dual filter;
- Integrated operator control panel.

ADDED VALUE:

- High performance, ease of use;
- Low maintenance;
- Safety and reliability;
- Quick installation;
- Versatility, machines available with two loading stations.

SUPERVISION SYSTEM

The Supervision System developed by PET Solutions is an **advanced software platform for the integrated management and control** of the entire plastic production and processing plant. The system enables monitoring and tracking of all process stages, from resin receipt and storage to the finished product output.

Thanks to continuous and comprehensive data collection, **the supervisor allows real-time control of production efficiency and energy consumption.** Each proposed solution includes remote management capabilities, ensuring prompt interventions and immediate technical support when needed.

- **Wall Version:** Designed for the production department, **it enables real-time collection of process data and the operational status of each individual machine.** The information is processed by the software and displayed on a multi-screen setup installed directly on the production floor, providing an immediate overview of the plant's status and efficiency.
- **Premium Version:** Aimed at the plant manager, this desktop solution allows **full control over every device within the system.** It offers initial diagnostics through alarm history and analysis of variable trend graphs, as well as precise parameter settings for each machine.
- **Factory 4.0 Version:** Created to meet the needs of plant managers and plant logistics, this version integrates the Premium features with complete material flow management. By interfacing with MRP or ERP systems, **it enables tracking of every stage: raw material input, consumption, finished product output, and any scrap.** The innovation and digitalization level underpinning this version represents a true Smart Factory model, fully aligned with Industry 4.0 directives.



CHAPTER 2 - STORAGE



TB SERIES | CONVEYOR BELTS

The TB Series by PET Solutions includes conveyor belts specifically designed for the **transfer and storage of plastic products**, such as preforms, coming from processing machines like injection molding machines, extruders, or blow molders. Positioned close to the machine, the conveyor helps eliminate production waste and fully automate the material handling and transport process after each molding cycle.

PET Solutions offers a range of solutions tailored to the different needs of this production phase, adjusting the height, length, and inclination of the conveyors according to the customer's specific layout requirements.

TECHNICAL FEATURES:

- Microprocessor control with touch display for intuitive programming;
- Frame equipped with wheels for easy movement;
- Standard belt inclinations of 30°, 45°, or 60°;
- Captive screws to prevent contamination of the final product;
- Gear motor complete with an electropolished stainless steel oil drip pan;
- RS485 Modbus communication interface;
- Polyurethane belt with slats, food-grade certified and suitable for transporting high-temperature materials.

ADDED VALUE:

- Easy access, adjustment, and cleaning;
- High transfer speed of the finished product;
- Elimination of waste during transfer and storage phases;
- Reduced risk of material damage;
- Maximum reliability in plastic material transport;
- Automation of the handling process, resulting in increased production efficiency.

COMPATIBLE ACCESSORIES:

- Protective enclosure for the conveyor belt;
- Vibrating tables for containment boxes;
- Motorized sensors;
- Belt customizable with Pantone colors;
- Mist spray system;
- CDZ: cooling system for preforms on the belt and in boxes;
- Inverter for speed regulation.

TB SERIES | CONVEYOR BELTS

	Voltage	TB120	TB225-300	TB650
Inclined belt motor power (kW)	400/50 400/60 460/60	0.37 0.45 0.45	0.37 0.45 0.45	0.37 0.45 0.45
Flat belt motor power (kW)	400/50 400/60 460/60	0.37 0.45 0.45	0.37 0.45 0.45	0.37 0.45 0.45
Noise level (dBA)	-	<80	<80	<80





SD SERIES | SOFT DROP

The SD Series includes a range of Soft Drop **devices designed for the storage of preforms and plastic materials** coming from processing machines. These pneumatic systems ensure gentle handling of the product to preserve its integrity.

Material from the injection molding machine is conveyed directly to the Soft Drop via a TB Series conveyor belt installed at the machine. Inside the Soft Drop, **a flat belt distributes the material, alternately loading the different hoppers or chutes.**

Once loading is complete, the hopper lowers and releases the material **from a predefined minimal height**, preventing impacts or damage during unloading.

PET Solutions offers a **modular range, from two to multiple loading stations**, to meet various production needs. The height and width of the structure are adjustable and customizable according to the customer's required layout.

TECHNICAL FEATURES:

- Control panel with microprocessor control and TOUCH display for simple and intuitive programming, providing full management of the operational process and loading logic;
- Product-contact components made of electropolished stainless steel to ensure hygiene and durability;
- Captive screws designed to prevent the risk of contamination of the final product;
- Standard inverter for optimal material distribution inside the box;
- Control electrical panel positioned on the side for enhanced safety and easy access;
- Frame equipped with wheels for easy mobility;
- Integrated optical sensor for precise release of preforms and material;
- Gear motor equipped with an electropolished stainless steel oil drip pan;
- RS485 Modbus communication interface;
- Polyurethane (PU) belts suitable for contact with high-temperature materials and certified for use in the food industry.

COMPATIBLE ACCESSORIES:

- Safety barriers;
- Vibrating tables for containment boxes;
- Customizable number of loading stations;
- Motorized sensors;
- Mist spray application;
- CDZ (cooling system for preforms on belts and in boxes);
- Load cell application.

ADDED VALUE:

- Easy access, adjustment, and cleaning;
- High transfer speed of the finished product;
- Elimination of production waste during the transfer and storage of the finished product;
- Reduced risk of material damage;
- Reliability in the transport of plastic material;
- Automation of the plastic material handling process.

SD SERIES | SOFT DROP

	Voltage	SD225-300	SD650
Inclined belt motor power (kW)	400/50 400/60 460/60	0.37 0.45 0.45	0.37 0.45 0.45
Flat belt motor power (kW)	400/50 400/60 460/60	0.37 0.45 0.45	0.37 0.45 0.45
Compressed air (NI/min)	-	200	200
Noise level (dBA)	-	<80	<80



VB SERIES | VIBRATING TABLES

The VB Series vibrating tables are an **optional accessory for Soft Drop systems and conveyor belts**, designed to ensure even distribution of plastic products inside storage boxes. Thanks to a variable-intensity motor, these platforms optimize container capacity by eliminating central buildup, known as the pyramid effect.

They are available in two versions: one mounted on springs and one on anti-vibration puffers, to suit different operational needs. PET Solutions offers a **complete range of vibrating platforms compatible with various types of containment boxes**, including cardboard, metal, and plastic.

TECHNICAL FEATURES:

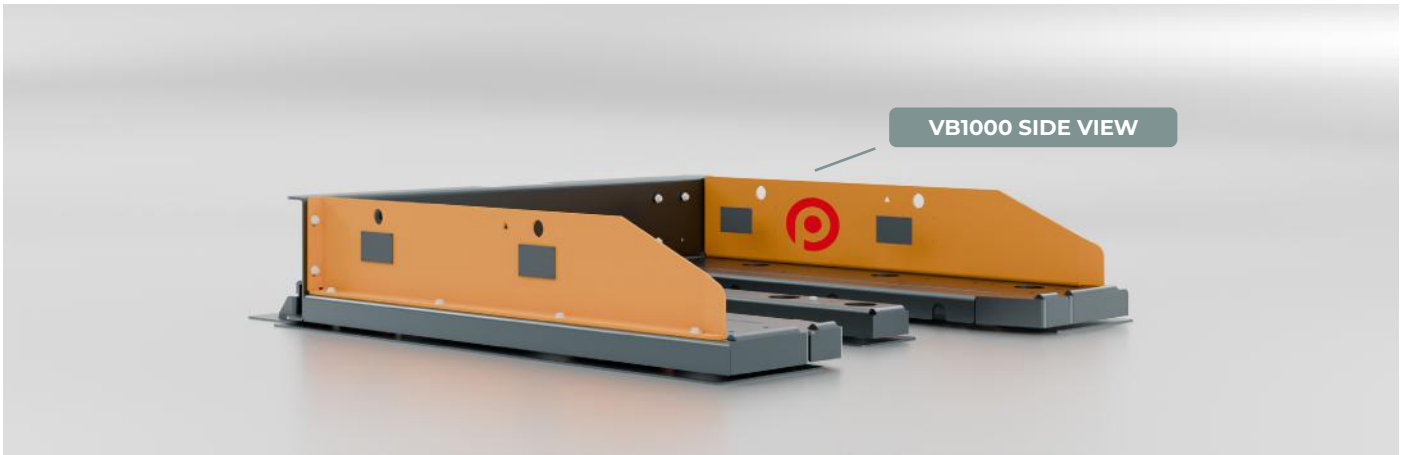
- Machines interfaced with the Touch operator panel of the Soft Drop or conveyor belt;
- Adjustable vibration modes (continuous vibration during the final box filling phase or timed and intermittent vibrations);
- Ramp for loading and unloading boxes;
- Spacer kit.

ADDED VALUE:

- Storage optimization: allows for an increased quantity of preforms within each box, significantly reducing the volume required for plastic material storage. The estimated increase in container capacity can reach up to 15%;
- System integration: the system is interfaced with other machines, enabling centralized control through a single control panel.

VB SERIES | VIBRATING TABLES

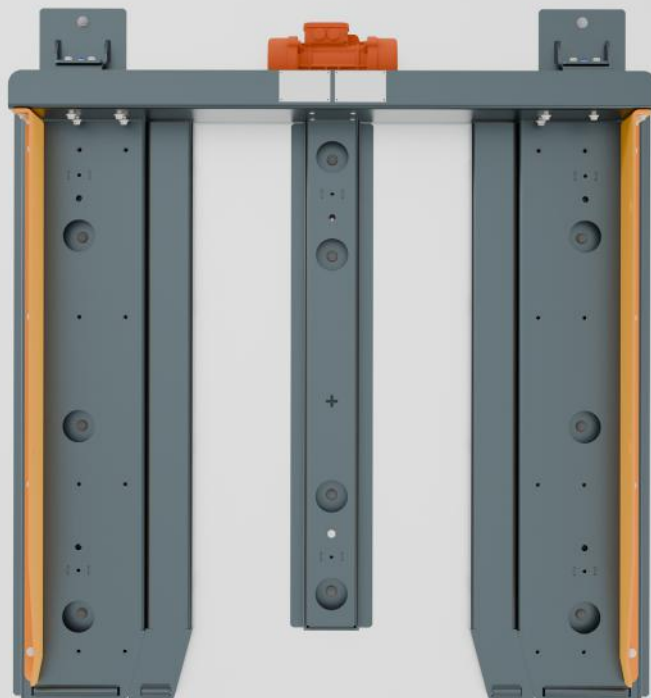
	Voltage	VB1000X1000	VB1200X1200
Motor power (kW)	400/50 400/60 460/60	0.55 0.63 0.63	0.55 0.63 0.63
Noise level (dBA)	-	<80	<80



VB1000 FRONT VIEW



VB1000 TOP VIEW



PEGASO INDUSTRIES GLOBAL BRANCHES



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ASIA PACIFIC





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INDIA



PEGASO

INDUSTRIES
RUSSIA



PEGASO

INDUSTRIES
LATIN AMERICA

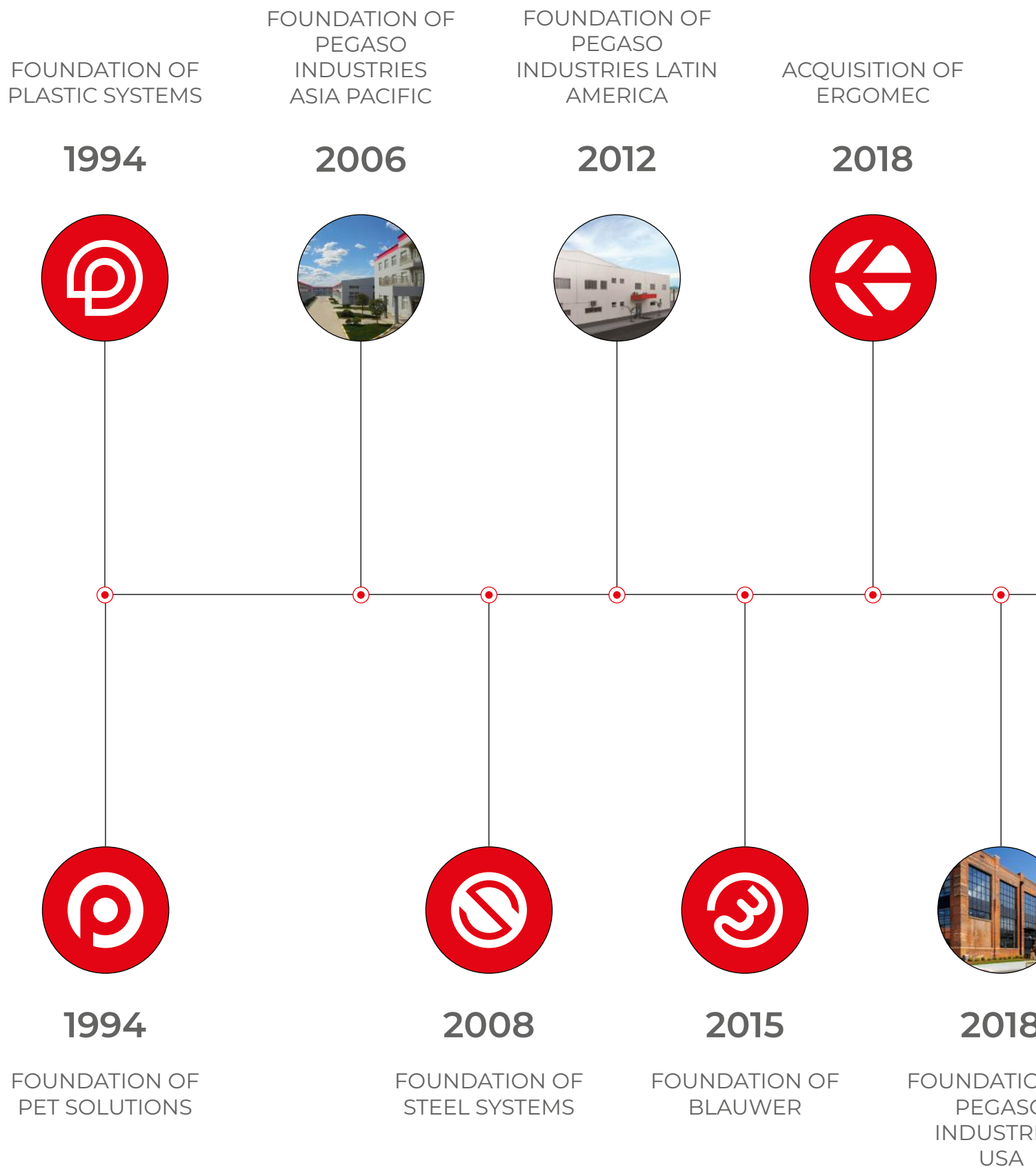


PEGASO

INDUSTRIES
USA



OUR HISTORY OVER THE YEARS





PEGASO

INDUSTRIES

FOUNDATION OF
PEGASO
INDUSTRIES
RUSSIA

2018

FOUNDATION OF
PEGASO
INDUSTRIES
INDIA

2021

HQ EXPANSION
AND NEW
WAREHOUSE
CREATION

2024

NEW INTERNAL
LOGISTICS
REORGANIZATION

2026



2019

FOUNDATION OF
PEGASO
INDUSTRIES
AND NEW HQ



2023

ESTABLISHMENT
OF THE JOINT
VENTURE GREEN
SOLUTIONS



2025

NEW
WAREHOUSE
ACQUISITION

A brand of



PEGASO
INDUSTRIES

 **PET**solutions

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