

MADE IN ITALY



The smallest direct driven rotary screw compressors

MiniJUNIOR
2.2 kW

JUNIOR
4-7.5 kW



NEW
2025 RANGE

FNA Group

Over 75 years of compressed air.

FNA is a Multinational Group with over 75 years of experience in the compressed air sector, founded from the merger of three great Italian compressor traditions, which has developed an industrial synergy capable of competing on the world market without fear of comparison. Thanks to the consolidated experience and leadership of a family that has been operating exclusively in the compressed air sector for two generations, since 1948, FNA is one of the leading manufacturers of air compressors for industrial, professional and consumer use.

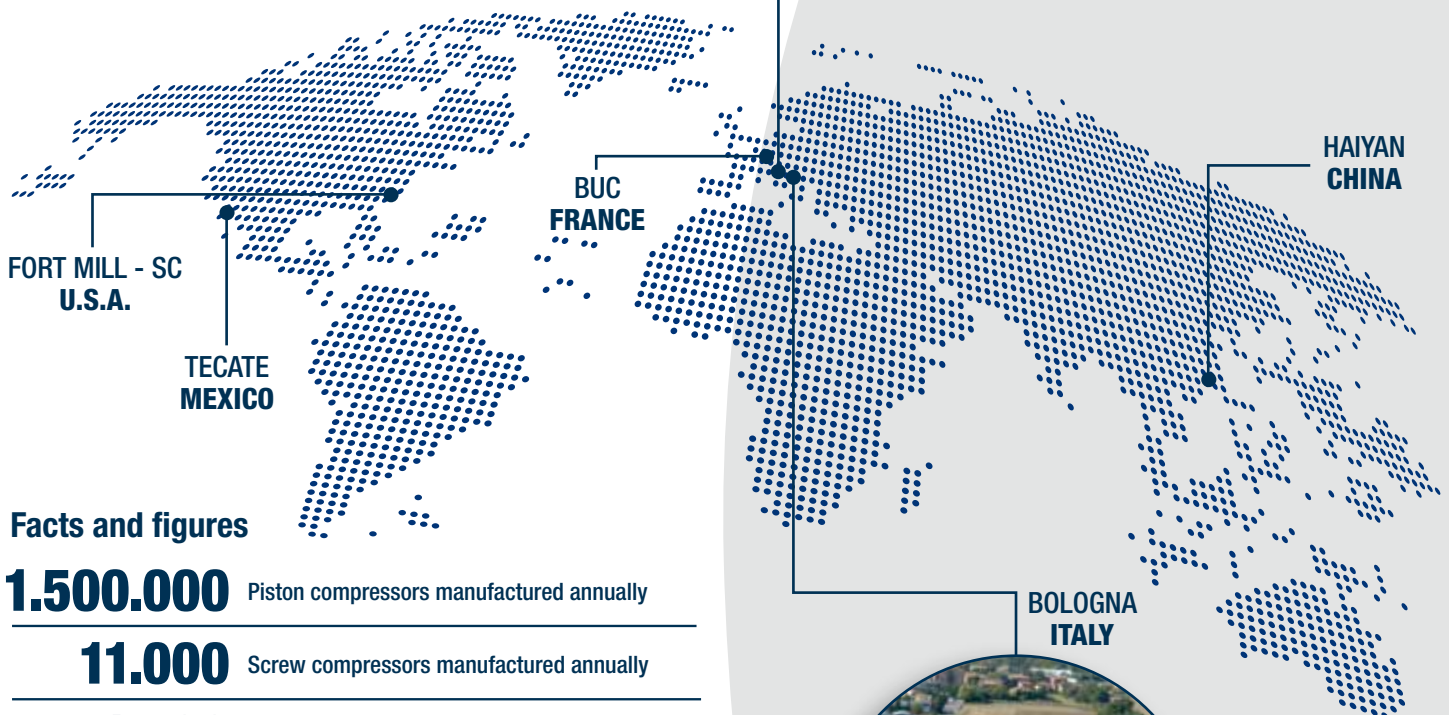
Today, Power System is part of the FNA family and is the Groups brand that represents the pinnacle of our technology, aimed specifically at the Industrial market. Power System is an undisputed leader in the design, development, production and distribution of high-tech solutions for compressing air with the greatest possible energy savings, serving every sector, from large industry to small business.

Power System's screw compressors, in the 2.2 to 315 kW power range, are manufactured entirely in Italy in the province of Bologna, an area renowned for its excellence in precision engineering, where the most modern design, construction, assembly and testing technologies are applied to ensure customers reliable compressors with first-class performance.



TORINO
ITALY

Production sites around the world



Facts and figures

1.500.000 Piston compressors manufactured annually

11.000 Screw compressors manufactured annually

1.500 Global service centres

1.300 Employees

250 Million € turnover

120 The countries we export to

6 Production plants worldwide



BOLOGNA
ITALY

HAIYAN
CHINA



NOT JUST AIR.

The Power System brand

Manufacturers of air-ends for over 30 years.

Power System is the leading Italian company, that has been able to combine craftsmanship with the most modern industrial technologies and highly specialised labour. The Made in Italy trademark is the expression of typical Italian quality and creativity, recognised and appreciated around the world, and which is now one of the distinguishing elements of our industrial production.

What makes Power System screw compressors unique is the guarantee of a product that is made entirely in Italy: from design to packaging, each stage of production is carefully overseen by our engineers and aimed at developing a machine that exceeds the most demanding requirements in terms of efficiency, quality, energy saving, performance, quiet and safe operation. Each component is thoroughly selected to integrate perfectly with our air-ends and intake regulators.

Power System air-ends feature rotors with an optimised profile and outstanding performance. The production process is completely integrated thanks to avant-garde machine tools with robotic component positioning and sophisticated control instrumentation that guarantees the highest level of quality. Each single rotor is cut in four very specific manufacturing stages to achieve high precision, execution and repeatability.

Before reaching the customer, every individual compressor is fully tested before completing final checks that ensure total compliance with over fifty stringent technical requirements.

Since 1996, the company's Quality System has been certified according to UNI EN ISO 9001:2015.



Performant and user friendly

MiniJUNIOR is the new oil-lubricated coaxial compressor with direct starter, the smallest of the entire Power System screw range.

The small size of the air-end / motor connection system allows the machine to maintain an extremely small footprint.

MiniJUNIOR is available in the floor mounted version or on a painted or galvanized 90-litre tank.

Silent

Thanks to its extreme quietness, only 65 dB(A), MiniJUNIOR can be placed near any operating environment.

Efficient and cost-effective

MiniJUNIOR is designed for continuous operation in industrial applications. The coaxial transmission, with the air-end directly connected to the electric motor without any flexible coupling, ensures the best transmission efficiency.

The three-phase versions are equipped with an IE3 energy efficiency class motor.

The FS14 air-end ensures minimum pressure losses, providing considerable energy savings and low operating and maintenance costs.

Easy to move

MiniJUNIOR is handy and easy to move, thanks to the 2 sides handles (only floor mounted version) and the forklift or pallet truck pre-arrangement at the bottom of the tank.

Simplified maintenance

All the internal components are easily accessible, making routine maintenance fast and simple to perform.

Plug&Play

MiniJUNIOR is ready for use: it is supplied already equipped with RotarECOFLUID mineral oil.

Optional heater

Prevents the formation of condensate, maintaining an adequate oil temperature during the standby phase of the compressor, useful when operating in cold ambient conditions.

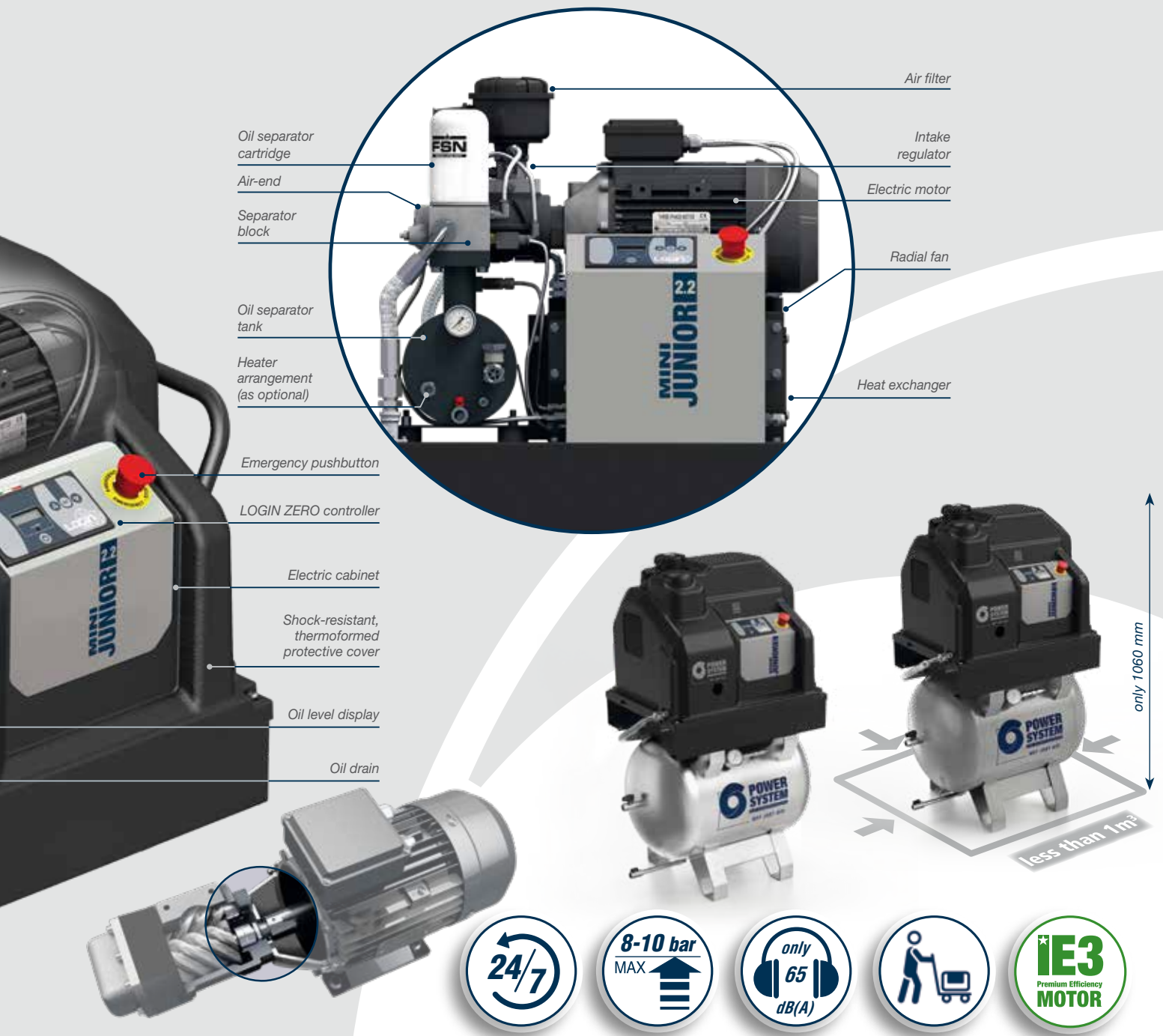


LOGIN ZERO

Multi-function controller with 5-digit LED display.

Measures and displays:

- Compressor status (stand-by, idle, load, off).
- Operating temperature.
- Operating pressure.
- Total working hours and load hours.
- Remaining hours to maintenance.
- Alarm management (motor thermal overload, fan thermal overload, oil temperature values) with dedicated LED signalling.
- Auto-restart after power failure.
- Integrated digital phase sequence control.



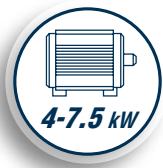
MINI JUNIOR

Code	Tank	Power	Power supply	Air outflow rate			Max. pressure		Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions	
	ℓ	kW	HP	V/Ph/Hz	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.	dB(A)	G	L x W x H (mm)	kg	L x W x H (mm)	
FLOOR MOUNTED															
MiniJUNIOR 2.2-08	V51PC72PWS017	–	2.2 3	400/3/50	292	0.29	10.3	8	116	65	1/2"	68	780x460x600	79	840x540x790
MiniJUNIOR 2.2-08 M	V51PC60PWS017	–	2.2 3	230/1/50	292	0.29	10.3	8	116	65	1/2"	68	780x460x600	79	840x540x790
MiniJUNIOR 2.2-10	V51PK72PWS017	–	2.2 3	400/3/50	261	0.26	9.2	10	145	65	1/2"	68	780x460x600	79	840x540x790
MiniJUNIOR 2.2-10 M	V51PK60PWS017	–	2.2 3	230/1/50	261	0.26	9.2	10	145	65	1/2"	68	780x460x600	79	840x540x790
PAINTED TANK															
MiniJUNIOR 2.2-08-90	V72PC72PWS080	90	2.2 3	400/3/50	292	0.29	10.3	8	116	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-08-90 M	V72PC60PWS080	90	2.2 3	230/1/50	292	0.29	10.3	8	116	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-10-90	V72PK72PWS080	90	2.2 3	400/3/50	261	0.26	9.2	10	145	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-10-90 M	V72PK60PWS080	90	2.2 3	230/1/50	261	0.26	9.2	10	145	65	1/2"	104	730x460x1060	116	840x540x1340
GALVANIZED TANK															
MiniJUNIOR 2.2-08-90z	V72PC72PWSZ80	90	2.2 3	400/3/50	292	0.29	10.3	8	116	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-08-90z M	V72PC60PWSZ80	90	2.2 3	230/1/50	292	0.29	10.3	8	116	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-10-90z	V72PK72PWSZ80	90	2.2 3	400/3/50	261	0.26	9.2	10	145	65	1/2"	104	730x460x1060	116	840x540x1340
MiniJUNIOR 2.2-10-90z M	V72PK60PWSZ80	90	2.2 3	230/1/50	261	0.26	9.2	10	145	65	1/2"	104	730x460x1060	116	840x540x1340

M = Single-phase Z = Galvanized tank
 Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).
 Air flow was measured in the following operative pressures: 7.5 bar for models at 8 bar - 9.5 bar for models at 10 bar.
 The data and results were measured in accordance with standard ISO 1217.
 The sound level was measured in accordance with standard ISO 2151, with a tolerance of ±3 dB(A).

JUNIOR

The direct drive screw compressor
compact, reliable, silent.



Excellent performance

The JUNIOR range represents a point of reference in the world of industrial compressed air.

As a result of the gearless coaxial drive system, all the power of the electric motor is transferred to the air-end without losing efficiency and ensuring top operating reliability.

JUNIOR compressors are designed to run continuously under the most severe conditions of use, with special attention to energy consumption, quiet operation, reduced operating and maintenance costs, and ease of installation and use.

Air dryer included

The "D" version has the refrigerated dryer entirely enclosed within the main cabinet while maintaining the same shape and dimensions of the machine. It is immediately ready for operation, without any additional installation costs.

The dryer ensures the production of dry air, which is essential for preserving the systems and the quality of the end product. It enables excellent performance, even in unfavourable environmental conditions and high inlet temperatures.

Simplified maintenance

Routine maintenance parts are easily accessible and simple to replace, ensuring long service intervals and keeping maintenance costs low.

JUNIOR is ready for use: it is supplied already equipped with RotarECOFLUID mineral oil.



FS 26 air-end

Electric cabinet

Heat exchanger

Air filter

Radial fan

Oil separator filter

IR10 intake regulator

Separator block

Oil discharge

Oil separator tank

Oil filter



ETMII

Electronic controller with backlit multi-function display; the menu is alphanumeric.

Measures and displays:

- Operating pressure (load / no-load);
- Oil temperature;
- Total operation hours;
- Load operation hours;
- Four maintenance timers (air filter, oil, oil filter, separator filter);
- Auto-restart after power failure.
- Programmable cooling fan temperature.
- Programmable remote control starting of the compressor.
- Integrated phase sequence relay.

Emergency button

ETMII controller

Thermoformed protective cover

Dryer control unit

Electric motor

FS26TFC air-end

Dryer with dedicated controller and power supply

270-lt galvanized tank
JUNIOR is also available with 270-lt galvanized tank.

500-lt reservoir

JUNIOR

Code	Air receiver	Power		Power supply	Air outflow rate			Max. pressure		Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions	
	ℓ	kW	HP	V/Ph/Hz	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.	dB(A)	G	kg	L x W x H (mm)	kg	L x W x H (mm)	
4 kW																
JUNIOR 4.0-10	V51PD92PWS043	–	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	98	650x580x750	109	720x670x970
JUNIOR 4.0-10 D	V51PD92PWS143	–	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	119	650x580x750	130	720x670x970
JUNIOR 4.0-10-270	V91PD92PWS080	270	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	182	1200x600x1450	210	1320x850x1720
JUNIOR 4.0-10-270z	V91PD92PWS280	270	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	182	1200x600x1450	210	1320x850x1720
JUNIOR 4.0-10-270 D	V91PD92PWS180	270	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	203	1200x600x1450	231	1320x850x1720
JUNIOR 4.0-10-270z D	V91PD92PWS380	270	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	203	1200x600x1450	231	1320x850x1720
5.5 kW																
JUNIOR 5.5-10	V51PE92PWS043	–	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	100	650x580x750	111	720x670x970
JUNIOR 5.5-10 D	V51PE92PWS143	–	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	121	650x580x750	132	720x670x970
JUNIOR 5.5-10-270	V91PE92PWS080	270	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	182	1200x600x1450	210	1320x850x1720
JUNIOR 5.5-10-270z	V91PE92PWS280	270	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	182	1200x600x1450	210	1320x850x1720
JUNIOR 5.5-10-270 D	V91PE92PWS180	270	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	203	1200x600x1450	231	1320x850x1720
JUNIOR 5.5-10-270z D	V91PE92PWS380	270	5.5	7.5	400/3/50	705	0.705	24.9	10	145	68	1/2"	203	1200x600x1450	231	1320x850x1720
7.5 kW																
JUNIOR 7.5-10	V51PO92PWS043	–	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	112	650x580x750	123	720x670x970
JUNIOR 7.5-10 D	V51PO92PWS143	–	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	133	650x580x750	144	720x670x970
JUNIOR 7.5-10-270	V91PO92PWS080	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	194	1200x600x1450	222	1320x850x1720
JUNIOR 7.5-10-270z	V91PO92PWS280	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	194	1200x600x1450	222	1320x850x1720
JUNIOR 7.5-10-270 D	V91PO92PWS180	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	215	1200x600x1450	243	1320x850x1720
JUNIOR 7.5-10-270z D	V91PO92PWS380	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	215	1200x600x1450	243	1320x850x1720
JUNIOR 7.5-10-500	V83PO92PWS080	500	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	239	2000x600x1450	279	2070x800x1680
JUNIOR 7.5-10-500 D	V83PO92PWS180	500	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	260	2000x600x1450	300	2070x800x1680

D = with refrigerated dryer, Z = with galvanized tank

Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).

Air flow was measured at 9.5 bar operating pressure. The data and results were measured in accordance with standard ISO 1217.

The sound level was measured in accordance with standard ISO 2151, with a tolerance of ±3 dB(A).

FNA S.p.A. Via Einaudi, 6
10070 Robassomero Torino ITALY
T: +39 011 92 33 000 F: +39 011 92 41 138

BOLOGNA PLANT:
Via Toscana, 21 40069 Zola Predosa Bologna ITALY
T: +39 051 61 68 111 F: +39 051 75 24 08
info@fnacompressors.com
www.fnacompressors.com



a brand of



AUTHORIZED DISTRIBUTOR:

Follow us on: [LinkedIn](#)



powersystem.it

