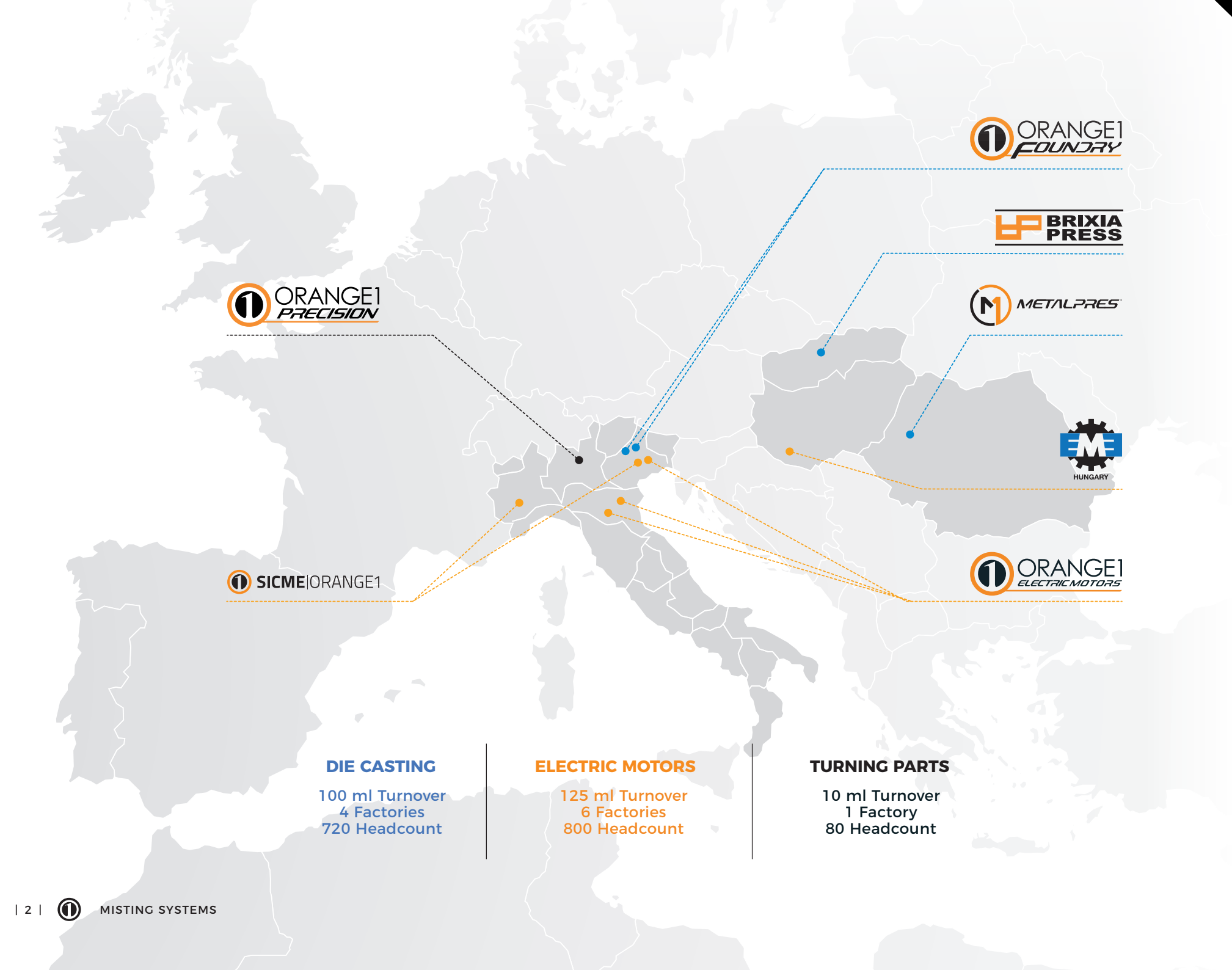




ORANGE1
HOLDING

Misting Systems

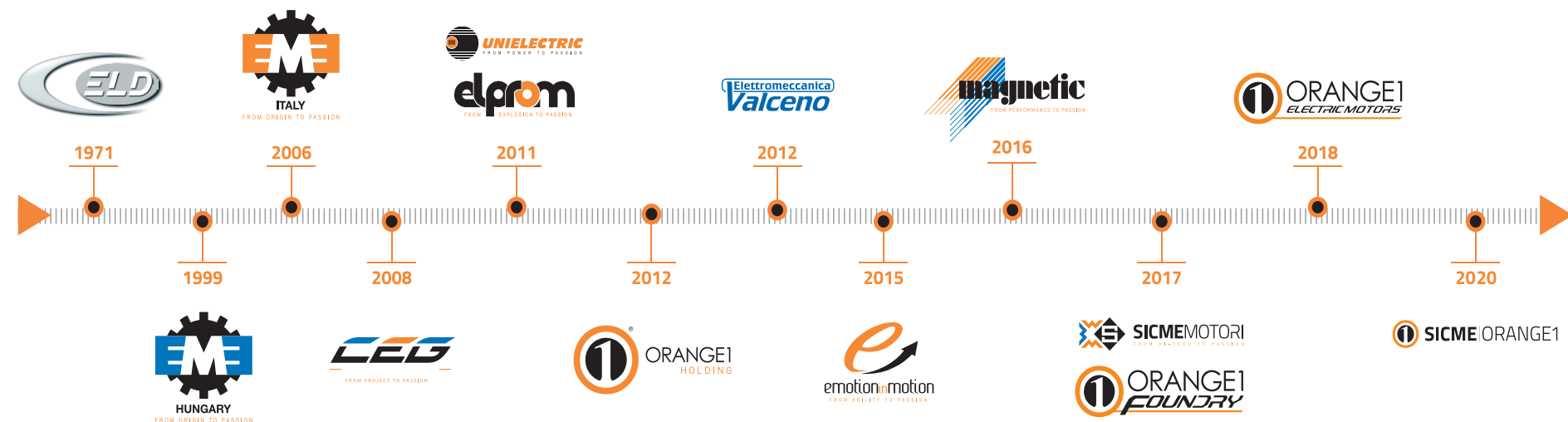
Orange1 Electric Motors



A dynamic, strong and ambitious Group

Orange1 Holding is an international renown Group, one of the most important European manufacturers of single-phase and three-phase asynchronous electric motors. It has an annual capacity of more than 1 million motors and 5 million electric stators with an annual turnover of approx 235 million euro and more than 1600 workers in 15 production facilities. The group, established in 1971 by Leone Donazzan, chaired today by his son Armando Donazzan, is strongly focused on technological innovation, performance and customization to meet individual clients requirements.





€ 235.000.000 TURNOVER
11 COMPANIES
1600 HEADCOUNT



Elettromeccanica Leone Donazzan was established on 1971 in Bassano del Grappa. In 1983 the company turned into Eld Spa. In 1998 Armando Donazzan took over the running of the company; thanks to his determination and intuition he applied new financial and commercial policies which increased the level of reliability and visibility. In March 2006 the company changed its name to EME Spa and finally become Orange1 Electric Motors in 2018. The aim of O1EM is to manufacture custom made motors to meet clients and market expectations. The actual production covers a large range of AC and DC motors, as well as brushless motors and Variable Frequency Drives , to provide total solution. This know how in supplying products to the Textile markets makes O1EM reliable and skilled for the ideal motor settings to secure long terms performances in heavy environment conditions.



Misting Systems Motors

The fields of application of spraying are different, thus misting businessmen are now able to work throughout the year, contrary to what they think those who use nebulizers only for summer cooling. In general, misting applications are effective solutions to several problems of cooling, fire protection, humidification and dedusting. Misting systems are in fact extremely simple and therefore are easy to install and to maintain. Compared with competing systems also consume less energy and water, and therefore are cost-effective. The most common applications for high-pressure misting systems include cooling, humidification, dust control, odor control, and special effects



Misting Systems Applications



COVID 19 SANIFICATION

Management of the sanitation of particularly closed environments, to reduce the risk of contagion in environments at risk of the COVID-19 emergency.



MIST COOLING SYSTEMS

Humidification systems are energy-efficient humidification and cooling systems. Humidification systems use fog to add humidity to areas such as greenhouses, warehouses, offices or production plants. Many industries in fact, depend on climate control for their plants or products to flourish, and fog humidification systems are the ideal solution.



HUMIDIFICATION

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ODOR CONTROL

Many businesses such as waste transfer stations, wastewater treatment facilities, cultivations etc. depend their production on odor control to stay in business and craft quality products. Industrial Odor control systems through electronic noses, applied to the continuous monitoring of emissions from the sources of a system, they allow the creation of an expert system that represents the olfactory impact on the surrounding area in real time, calculated using a mathematical dispersion model. An indispensable tool for the operator of a plant.



DUST CONTROL

Dust is a serious health and production hazard in many sectors, therefore dust control is an important factor in meeting environmental, health, safety and quality standards. Quality Dust suppression systems uses high pressure water spray to mitigate dust problems, for example in sawmills and paper mills, in the construction and demolition industry, in the mining and food industry, etc. and thus make the area cleaner and more controlled.



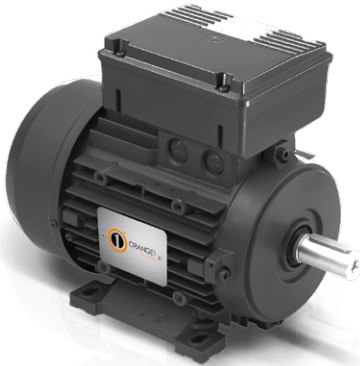
INDUSTRIAL MISTING SYSTEM

Industrial misting systems: an innovative and effective cooling system. The high pressure nebulization, implemented with a combination of high-pressure fog pumps and nozzles, is the perfect solution for cooling down very hot and large environments where temperatures do not allow continuous operation. Also, Industrial misting systems are ideal for cooling down outdoor such as restaurant patios, tennis courts, amusement parks, or simply your garden.

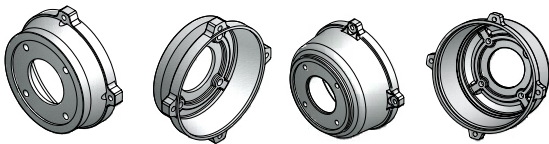
Electrical Data

Single phase - 1 capacitor
230V; 50Hz; 4 poles; S1 - Insulation class F

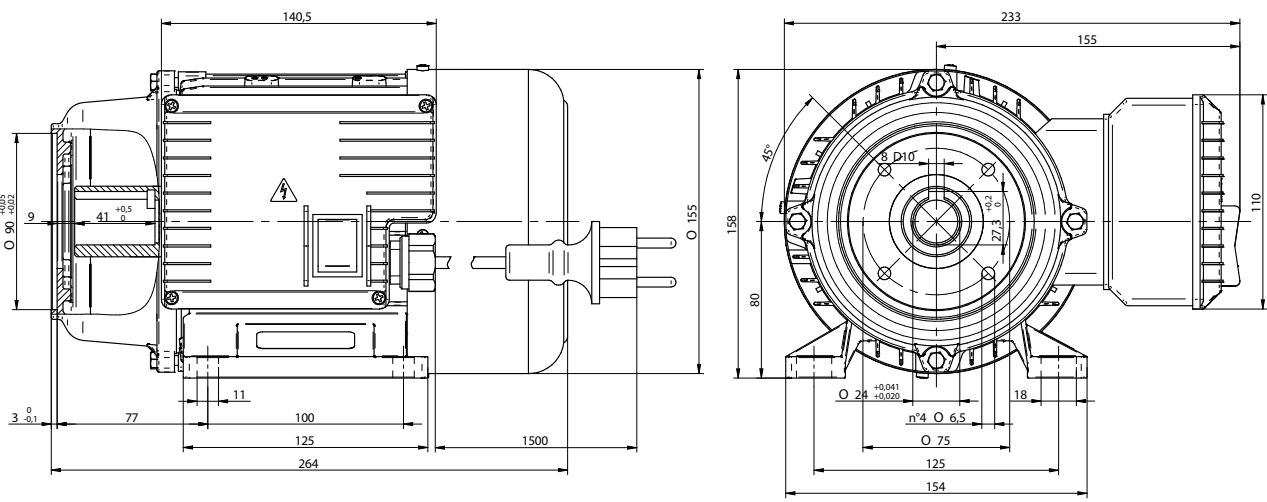
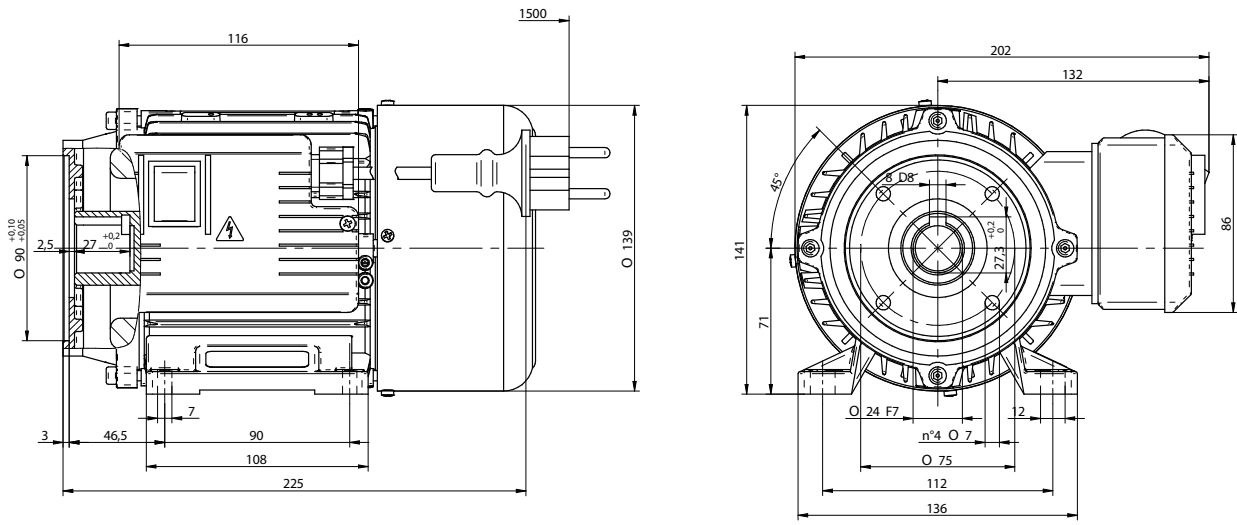
TYPE	RATED POWER		RATED SPEED
	Pn kW	HP	n min ⁻¹
63M	0,11	0,15	1330
63M	0,18	0,25	1350
71L	0,25	0,35	1330
71L	0,37	0,50	1300
80L	0,55	0,75	1360
80L	0,75	1,00	1400
80L	1,1	1,5	1380



Dedicated flange



Technical Drawings



WHY CHOOSING ORANGE1 PREMIUM SOLUTIONS IN MISTING APPLICATION

- MADE IN ITALY GUARANTEED**
- HIGH LEVEL OF CUSTOMIZATION**
- RELIABILITY & DURABILITY**
- QUALITY**
- 100% TESTED**

BENEFIT of Orange1 Electric Motors



Automatic start of the operating cycle, thanks to the present feedback



Torque / current control, with settable set-point, and relative automatic gear inversion when the set set-point is reached.



Automatic stop of the motor, after a certain settable time, through the feedback of the current.



Overload management and cycle repetition, by defined and settable number. Then produced on stand-by for a defined time.



Product with cable with socket and ON / OFF switch.

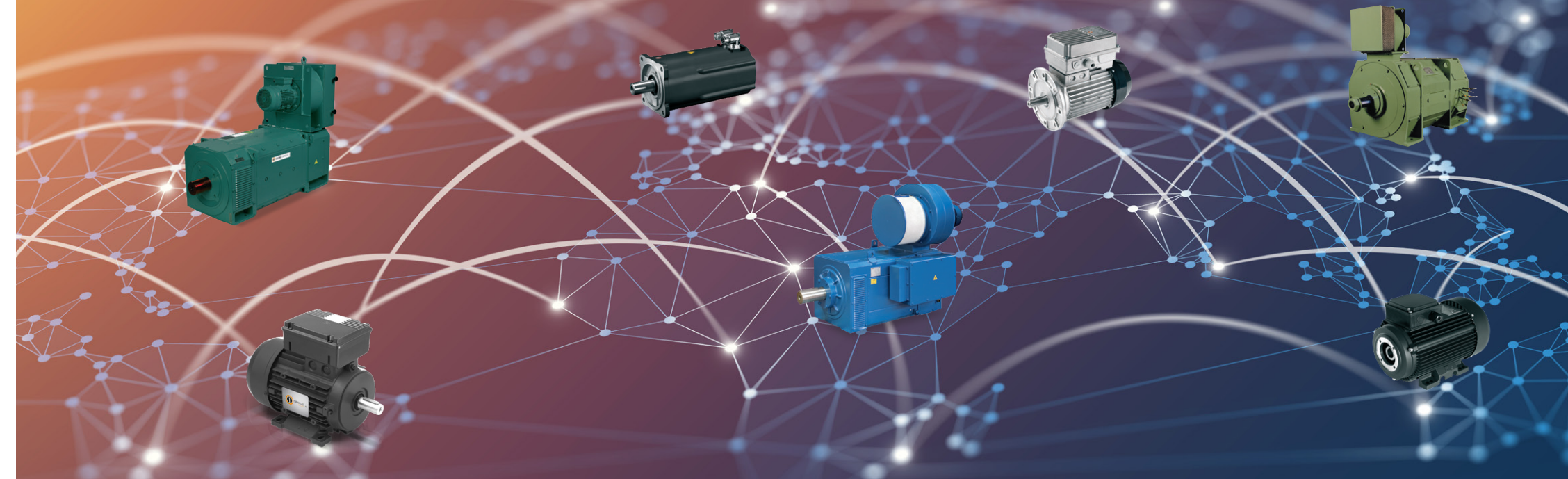


Option with completely encapsulated motor. A special process using epoxy resin, makes the internal electrical parts completely waterproof . The motor is resistant to the most hostile environments in terms of presence of water and condensation of humidity.

After sales, replacement & service

Orange1 Quality and Technical Team, together with a dedicated internal department, offers a full service system able to satisfy any specific request into electric motor maintenance. Orange1 Service can provide an innovative diagnostic tools for electrical testing and analysis to pinpoint immediately specific motor issues, and can provide a service of reparation for motors.

Orange1 Holding is a group a leader in the electric motors sector, present in over 70 countries around the world with its products





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