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With more than 80 years of experience, Ingeteam is today an unequalled partner when it comes to power generation and conversion.

Within its existence period, Ingeteam has positioned itself in the forefront of electrical rotating machine technology through investing in strategic assets. Both human and technical resources, such as its state-of-the-art power electronics and rotating machine laboratory, are just a reflection of the current leading position of Ingeteam in the global market.

Its powerful design, human team and production centers located in Beasain (Spain), Milwaukee (USA) and Segorbe (Spain), together with their clear vocation to serve the specific managed projects, make Ingeteam an option as no other.

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**Indar™** Electric Motors

SOLUTIONS FOR MINING SECTOR

**Ingeteam**

[www.ingetteam.com](http://www.ingetteam.com)

**Ingeteam**









Quality is not at stake in Ingeteam, it is a must for us to guarantee the reliability. To this respect our test bench is one of the best in the world. The main capabilities are:

- On load tests all our power range.
- Back to back load test with PWM drives.
- Electrical and thermal insulation ageing.
- Tests of extreme ambient condition (climatic chamber from -30 °C to 80 °C).

 Fully customizable for each case and opportunity

 European quality standards

 In-house technology

Our machines are designed, manufactured and tested according to the criteria and standards of the International Electrotechnical Commission (IEC).

Inдар machines are adapted to the requirements by the customer and application.






► Depends on speed

## INDAR™ Electric Motors

Mining Sector



Product Range Synchronous, Induction & PM Technology			
	INDAR SCIM Squirrel Cage Induction Motors	INDAR PMM Permanent Magnet Motors	INDAR SM Synchronous Motors
			
<b>Power</b>	up to 15 MW	up to 15 MW	up to 15 MW
<b>Voltage</b>	up to 15 kV	up to 15 kV	up to 15 kV
<b>Frame Size</b>	H ≥ 630 *	H ≥ 900 *	H ≥ 900 *
<b>IC</b>	upon request (except IC411)	upon request (except IC411)	upon request (except IC411)
<b>Insulation Class</b>	H	H	H
<b>Starting/Operation</b>	PWM/Sinusoidal	PWM/Sinusoidal	PWM/Sinusoidal

