



WONDER
Since 1988

In Synchronization with the Future

Wonder Electric NEWSLETTER

7th Issue • Nov. 2020

Wonder PM Motor for Circular Knitting Machine

For textile enterprises, the energy consumption level of equipment has always been one of the most concerned indicators. In order to help save the total cost of textile factories, Wonder has designed a new serie of PM synchronous motor for knitting machine, which has been officially put on the market!

Wonder WST series PM synchronous motor has achieved IE5 and IE4 efficiency level. With the expansion of production scale and production time, the energy efficiency gap between PM motors and normal motors will lead to huge cost difference.

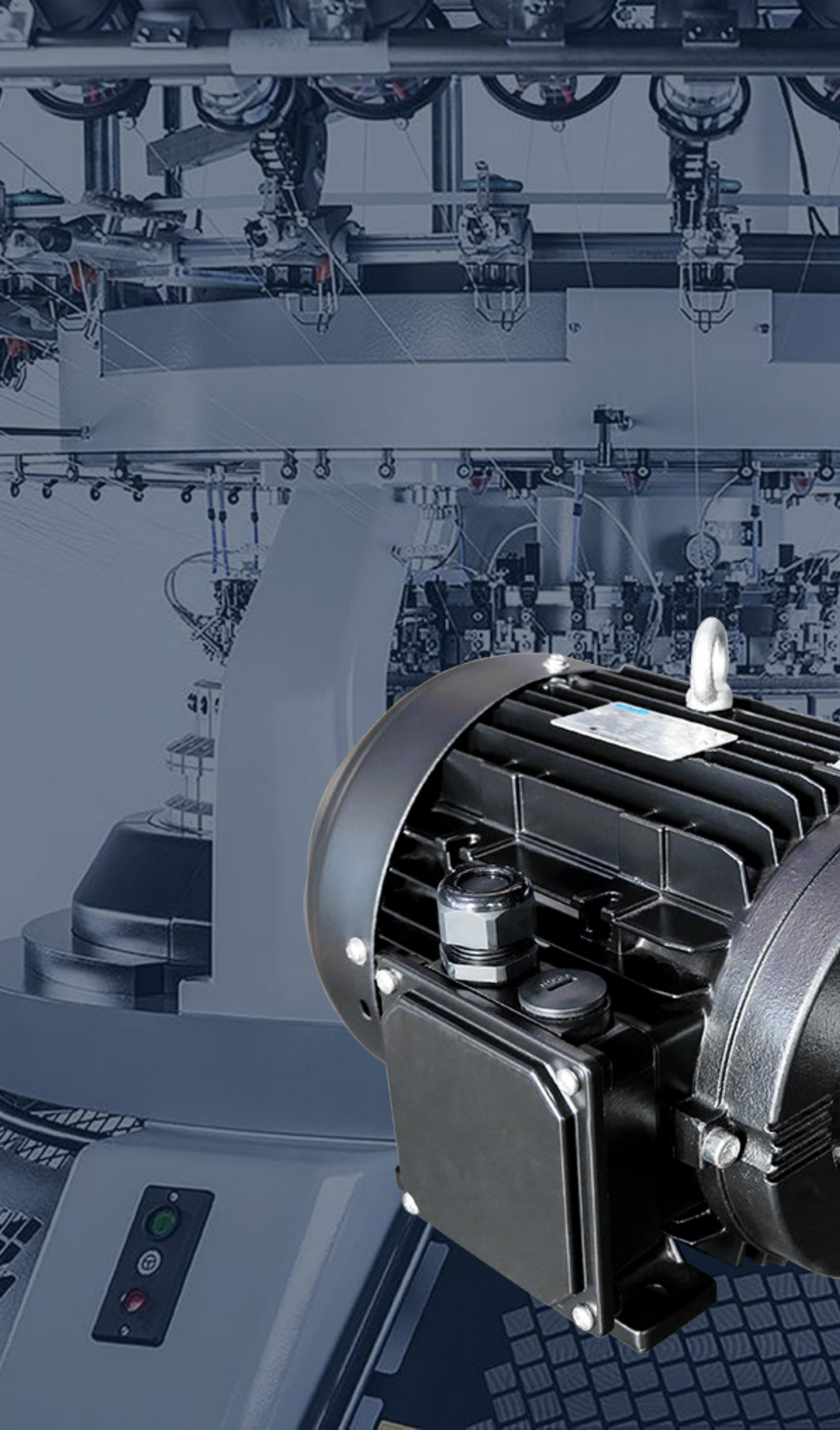
Under the premise of ensuring the strength of the foot and end cover of the motor, this series motor adopts the design of cast iron end shield and aluminum frame, which makes the motor more compact and light compared with the cast iron motor.

Since the motor is connected to the pulley of the circular knitting machine, Wonder chooses strengthen shaft and bearing which have excellent high radial load capacity to enhance the service life and reliability of the motor.

To meet various installation requirements, the terminal box is designed to be on the left side of the motor. At the same time, Wonder achieved 3.7kW and 5.5kW output power on 112 frame size. Wonder PM motors will meet users' requirements for motor upgrading and replacement to the greatest extent!

Main Technical Specifications

1. Rated Output Power: 3.7kW、5.5kW
2. Speed: 1500r/m、1800r/m
3. Frame Size: 112mm, cast iron end shield, aluminum frame, terminal box on the left side, special-designed bearing and shaft.
4. Voltage and Frequency: 380V、100/120Hz
5. Protection class: IP55, Insulation Class: F class, Temperature rise: B level
6. Operation conditions: ambient temp. -20°C -50°C , altitude≤1000m
7. Cooling Method: IC411



Wonder Motors for Mining and Stone Machinery

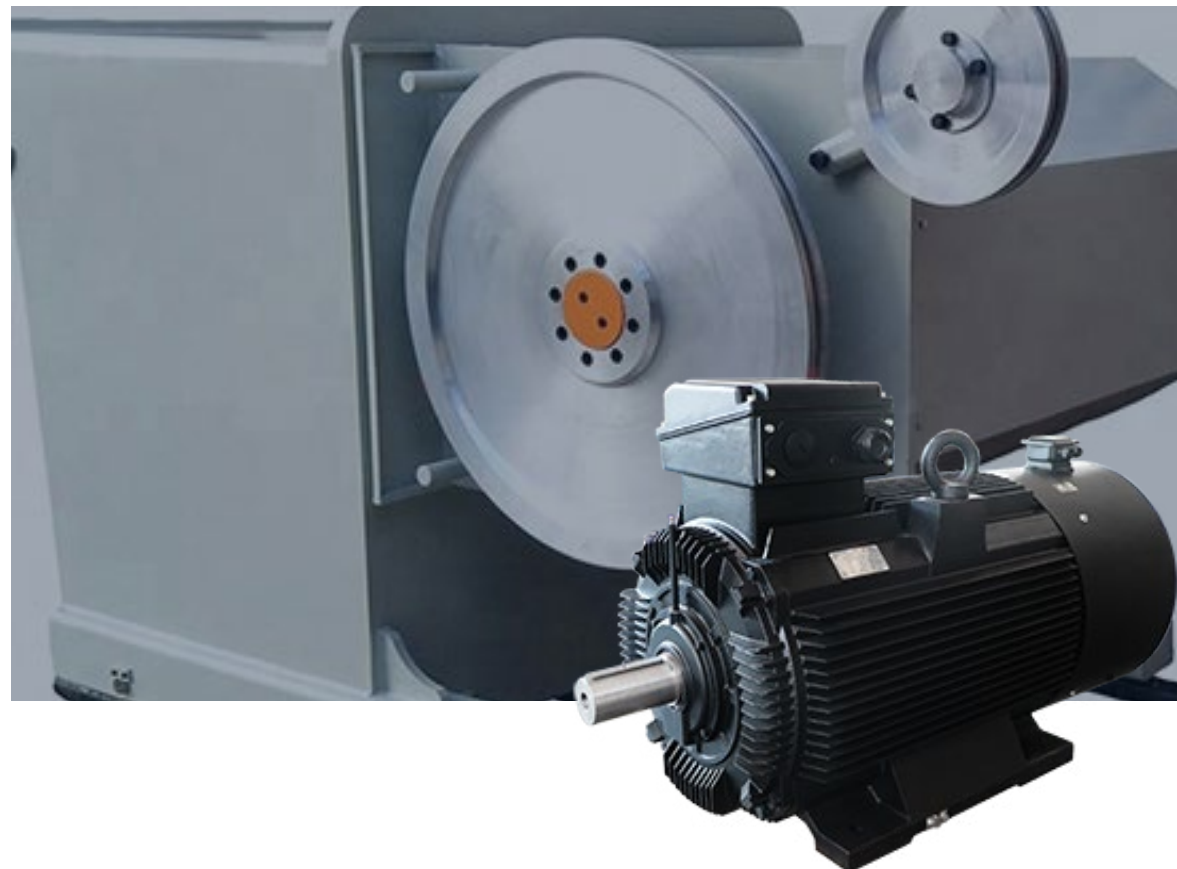
From mining to stone processing, the working environment of the stone industry puts forward strict requirements on the performance of stone machinery. As the driving unit of the equipment, the motors designed and produced by Wonder have a series of remarkable technical advantages, such as high starting torque, strengthen shaft and bearing, variable speed, flexible installation, etc.

In the mining process, Wonder Electric has designed and produced special three-phase asynchronous motors for selection, of which flange, installation size and high protection grade, long lead and other services can be customized.



For Double Blade Stone Quarrying Machine

- Rated Output Power: 30kW-90kW.
- Poles: 4 pole, 6 pole
- Frame Size: 225-280mm
- Voltage and Frequency: 350-380V/50Hz
- Wide voltage and high efficiency. Customization service of overall dimensions, protection class, bearings, etc.



For Wire Saw Cutting Machine

- Rated Output Power: 200kW-250kW
- Poles: 4 pole, 6 pole
- Frame Size: 355mm
- Voltage and Frequency: 380V/50Hz



For Wire Saw Mining Machine

- Rated Output Power: 37kW-110Kw
- Poles: 6 pole, 8 pole
- Frame Size: 250-315mm
- Voltage and Frequency: 380V/50Hz
- Wide voltage, high efficiency, long leads are optional.

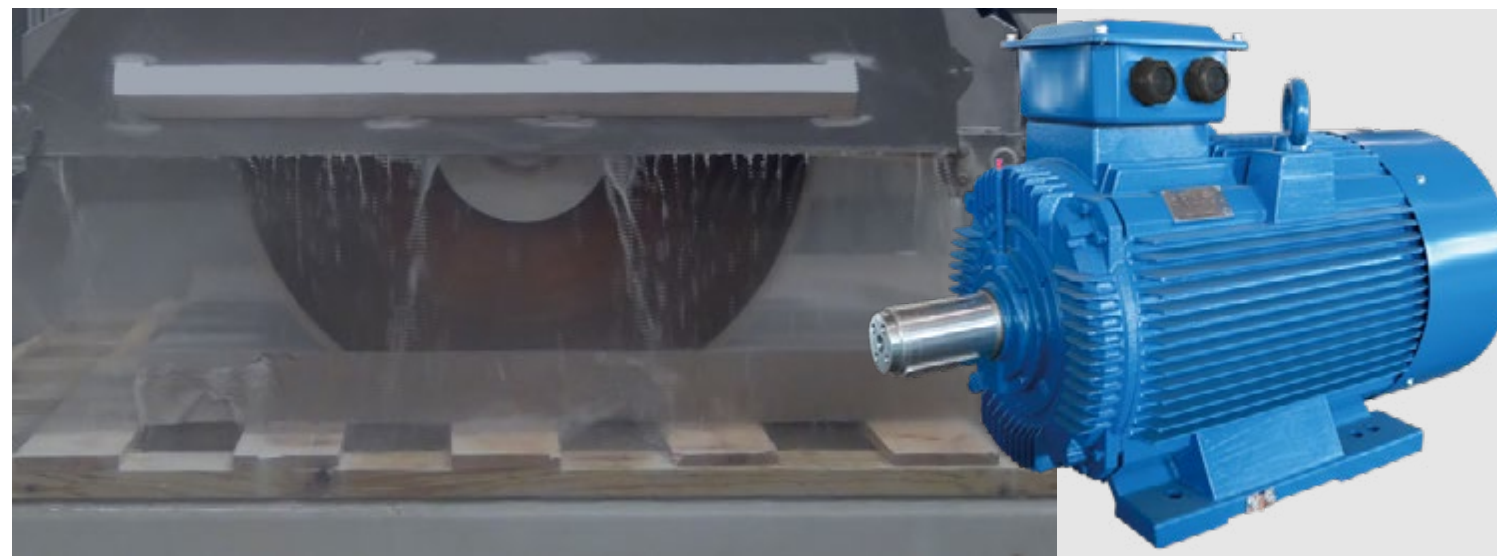
The machines for stone processing have higher requirements on the reliability and safety , so as to reduce the total production cost of the factory.

Wonder three-phase motors have the advantages of low vibration, low noise, low temperature rise, long bearing life time, while achieving compact structure and higher output power density. For the stone industry, Wonder has a mature product line of high efficiency motors. Welcome to contact Wonder for more information!



For Automatic Continuous Polishing Machine

- Rated Output Power: 7.5kW-15kW
- Pole: 4 pole
- Frame Size: 132-160mm
- Voltage and Frequency: 380V/50Hz
- Compact structure. Flange and protection class can be customized.



For Bridge Hydraulic Combination Cutter

- Rated Output Power: 37kW-160KW
- Poles: 4 pole, 6 pole
- Frame Size: 225-355mm
- Voltage and Frequency: 380V/50Hz



PM Motor For Wire Saw Mining Machine

- Rated Output Power: 55kW-75kW
- Poles: 8 pole, 12 pole. Speed: 750r/m-1000r/m
- Frame Size: 250-280mm
- Voltage and Frequency: 350-380V/75-100Hz.
- Wide voltage, low no-load current, high efficiency. Long leads are optional.

Group Express

On November 12, Fujian Provincial Department of Industry and Information Technology announced the circular economy demonstration pilot park and enterprises list. Dayu Precision Casting of Wonder Group was selected.

As a casting enterprise of Wonder Group, Dayu Precision Casting mainly produces gray and ductile iron casting, which are widely used in general machinery industries. In the process of production, management and circulation, Dayu Precision Casting always carries out the reduction and reuse of resources.

High efficiency and energy saving have always been the operation philosophy of Wonder Group. Wonder insists on taking all kinds of effective measures to achieve the maximum economic output and the minimum waste discharge, so as to realize the unification of economic, environmental and social benefits.

On November 21, the Conference of Top 100 Fujian Enterprises 2020 was held in Ningde city, Wonder Electric was invited to attend.

Zhang Fan, president of Fujian Academy of Social Sciences, said that the top 100 enterprises should enhance confidence, display the wisdom of innovation and achieve the unity of enterprise and national prosperity.

As a famous Fujian brand, Wonder Group will carry forward the Fujian entrepreneurial spirit and adheres to be outstanding in the increasingly fierce market competition.

