



东莞中力仪器科技有限公司

Zhongli Instrument Technology Co., Ltd

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Add: No.62, Xinhe Management of Area, Wanjiang District, Dongguan, Guangdong, China

Introduction

Name: ZL-3018 Rubber / Plastic Two Roll Mill , Lab Mixing Mill



- **Direct Manufacturer.**
- **Excellent Quality.**
- **Technical Innovation.**
- **Fast Shipping.**
- **Superior Service.**

Your Satisfaction Is Our Eternal Pursuit !



Introduction:

Two roll mixing machine are engineered to provide unmatched performance for masticating and kneading natural rubber, synthetic rubber, EVA or PVC pellets with various chemical materials. This machine is mainly used to plastic, hot mill and mixing mill of natural and synthetic rubber for rubber product factory.

Application:

Plastic open two roll mixing mill. It is widely used in rubbers and plastics industry for polymer mixing, such as PVC, color master batch. It consists of roll, bearing, gap adjusting device, electric control system, safety device, etc.

Feature:

1. Construction of mill rolls: drilled roll, bored roll, grooved roll
2. We can design speed ratio as per customers' formula and processing requirements.
3. Frame, frame cap and base are welded and treated by annealing for stress relieving.
4. Rolls material is chilled cast alloy iron which hardness is reach to 70HB.
- 5 Brake and emergency stop device can ensure the safety of personnel and equipment.
- 6 Auto feeding oil or grease lubrication, it is easy to maintain and protect machine.
- 7 Human nature designed controlling system ensure labor safety.
8. Methods of adjusting roll nip: manual or electric

Intelligent control panel and PLC control system

1. Real-time data record and export of kneading time, temperature (mixing chamber and front/rear rotors), ram pressure, current, torque and recipe code.
2. The control system can be set up to 20 mixing steps, save 20 recipe spaces.
3. The control system is capable of remote import of the process recipe and data monitoring, communicating with MES via Ethernet communication interface.
4. An Ethernet communication interface and 20% of the control points are reserved. Touch screen is provided.



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Technical parameters:

Model		ZL-3018-76	ZL-3018-120	ZI-3018-160	ZL-3018-200	ZI-3018-230	ZI-3018-300	ZL-3018-400
Diameter of roll	mm	76	120	160	200	230	300	400
Length of roller face	mm	300	350	350	500	650	650	900
Mixing Capacity	kg	0.002-0.6	0.002-2	0.002-2.8	0.002-5	0.005-10	1-15	5-30
Front roll surface speed	rpm	19	19	19	19	19	19	19
Friction ratio		1:1.30	1:1.35	1:1.35	1:1.35	1:1.27	1:1.27	1:1.27
Roll gap range	mm	0-3	0-6	0-6	0-8	0-12	0-12	0-15
Driving Power	KW	1	1.5	2.2	7.5	11	30	37
Heating Mode	Electricity heating , Oil Heating (option)							
Cooling Mode	Water Cooling (option)							
Roll Temperature	Room temperature -- 300°C							
Roll Hardness	HRC 50 ~ 68							
Temperature Accuracy	± 2 °C (we adopt the high accuracy PID micro computer controller)							
Safety device	It have 6 safety buttons and safety guard is option							
Machine weight	kg	160	460	660	860	1960	2960	3800
Overall dimension	mm	1100x400x1180	1100x550x1380	1200x650x1380	2200x750x1380	2200x950x1580	2600x950x1580	5295x1789x170
Power	380V 3 phase 50-60hz							



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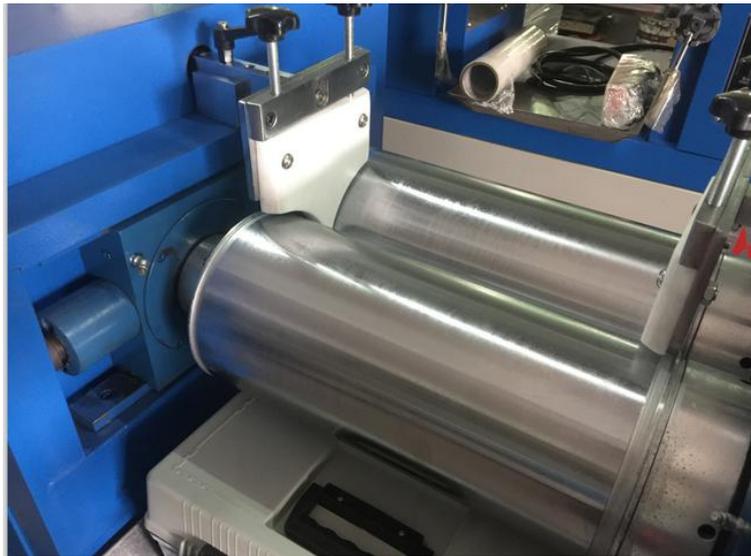
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Machine Detailed Picture for you reference: (We can custom different color based on client request)



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The machine have 6 safety button, if you need safety guard, we can do it too.



Safety Device



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Machine certificate:



Launch Box



Aircraft parts



Rubber parts



Additives



New materials



Cable



Military parts



Rubber pipe



Shoes soles



Medical silicone

APPLICATION



RUBBER PART

GENERAL PLASTIC

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Related Machine:



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Zhongli Introduction:

Zhongli Instrument Located in Dongguan, Guangdong, China. It is a collection development, research, production and sales of integrated lab testing machine.

Zhongli attaches great importance on the construction of independent R&D ability and technical force, and has already built up a professional work team possessing independent R&D ability in order to design and produce better products to meet customers' requirements. Our machines adopt advanced technology and have good quality with high detecting sensitivity, strong anti-interference ability, stable performance etc. Customization is available in Zhongli, and our engineers can design drawings for customers to meet special requirements, also we can design and install machines according to different production lines.

We adhere to the conception of "Customer First", regard meeting customers' requirements as a primary goal and contribute to providing perfect products and satisfying services to our customers.

Thank you!