



产品技术方案书

Open Rubber Mixing Mill Technical Specification

Manufacturer : Dongguan Lixian Instrument Scientific Co.,LTD

Products : Open Rubber Mixing Mill

Model No : HZ-7015

Department: Technical+Sales Department

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Open Rubber Mixing Mill

Water-Cooled HZ-7015B



HZ-7015-4 Inch Roller

Taking Rubber Product

Testing to the Next Level

Our classic Open Rubber Mixing Mill subject products to widely varying rubber and plastic. The water cooled type can be use in soft rubber, electronic heating type can be use in hard material like plastic, . Products under test are automatically refine with 8 very professional safety features.

Equipment Summary

This machine suitable for plastic industry polymer material mixing and processing such as, PVC, color master batch. Making the raw material and compound mixing, and achieve the required color and quality. The machine adopts special heated mold, roll surface temperature uniformity, never take off a layer, sample thickness can be mixed, the machine safety protection device, convenience to use.

Technique Feature:

- The core technology from Taiwan, The main parts adopt the French schneider.
- Water-cooled, surface temperature by water cycle at room temperature - water temperature, at the same time temperature uniformity
- Roll adopts the vanadium titanium alloy chilled cast iron, roll hardness (HRC) 50-60, surface is hard wear-resisting, durable. Roller lumen finish machining to ensure that the roller body cooling quickly and evenly.
- The machine adopts manual adjustment mode, Thickness control precision,easy operation,High safety factor .
- The machine is equipped with an emergency brake, When emergency accidents , four corners have emergency switch, a number of brake system, convenient quick stop
- Transmission device adopts hardened reducer, compact structure, transmission efficiency, little noise.
- Automatic oiling device to ensure that long-term oil for driving part,Make up the pump forget supply damage to part of serious consequences.
- Two motor driven, arbitrary roller speed ratio before and after implementation, easy to operation;
- Integral plate, easy installation.Driving mode is uniaxial output to ensure the big torque,imported bearings to reduce friction to save electricity, reduce noise, and Rubber thickness uniform parallel controllable.
- Transmission device adopts double double frequency converter control,Low noise, long service life.



HZ-7015-6 Inch Roller



HZ-7015-8 Inch Roller

DONGGUAN LIXIAN INSTRUMENT SCIENTIFC CO.,LTD

No.88 Shengfeng Road , Hengjiao Village , Wanjiang District , Dongguan City TEL : 0769-23388228

Reference Standard

GB 6038-2006 Rubber ingredients of rubber testing, mixing and Vulcanization equipment and operating procedures.

GBT 13577-1992 Mill for rubber and plastics

HG/T 3108-199

Technical Parameters-HZ-7015A Electric heating type

Model	HZ-7015A-4	HZ-7015A-6	HZ-7015A-8	HZ-7015A-10
Roller Diameter	120mm/4inch	160mm/6inch	200mm/8inch	250mm/10inch
Roller face width	320mm	320mm	320mm	320mm
Mixing capacity	0.3~2kg	0.5~3kg	1~10kg	2~15kg
Picking device	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper
Roller temperature	RT~water temperature	RT~water temperature	RT~water temperature	RT~water temperature
Heating method	Electric heating	Electric heating	Electric heating	Electric heating
temperature controller	PID control/LCD touch screen control	PID control/LCD touch screen control	PID control/LCD touch screen control	PID control/LCD touch screen control
Roller Rev	frequency control	frequency control	frequency control	frequency control
Roller ratio adjusted according requirements	1:1.22/1:1.35 1:1.4	1:1.22/1:1.35 1:1.4	1:1.1/1:1.22 1:1.4/1:1.7	1: 1.1/1:1.22 1:1.4/1:1.7
Roller hardness	50~60HRC	50~60HRC	50~60HRC	50~60HRC
Roller processing	Mirror polishing chrome plated	Mirror polishing chrome plated	Mirror polishing chrome plated	Mirror polishing chrome plated
Roller spacing	0.1~10mm adjustable	0.1~10mm adjustable	0.1~10mm adjustable	0.1~10mm adjustable
Spacing display mode	Calibration/digital display	Calibration/digital display	Calibration/digital display	Calibration/digital display
Safety device	Collision type emergency stop	Collision type emergency stop	Collision type emergency stop	Collision type emergency stop
Safety device number	8 PCS	8 PCS	8 PCS	8 PCS
Special function	Emergency stop inversion	Emergency stop inversion	Emergency stop inversion	Emergency stop inversion
Motor power	4.5KW	5.5KW	7.5KW	15KW
Power voltage	3phase, AC380V	3phase, AC380V	3phase, AC380V	3phase, AC380V
Dimension	1*1.1*1.4 (M)	1*1.1*1.5 (M)	1.5*1.2*1.5 (M)	1.5*1.3*1.6 (M)
Weight	≈2T	≈2.5T	≈3.4T	≈4T

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Technical Parameters-----HZ-7015B water cooled cooling type

Model	HZ-7015B-4	HZ-7015B-6	HZ-7015B-8	HZ-7015B-10
Roller Diameter	120mm/4inch	160mm/6inch	200mm/8inch	250mm/10inch
Roller face width	320mm	320mm	320mm	320mm
Mixing capacity	0.3~2kg	0.5~3kg	1~10kg	2~15kg
Picking device	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper	SUS304 Stainless steel hopper
Roller temperature	RT~water temperature	RT~water temperature	RT~water temperature	RT~water temperature
Heating method	Water-cooled cooling	Water-cooled cooling	Water-cooled cooling	Water-cooled cooling
temperature controller	PID control	PID control	PID control	PID control
Roller Rev	frequency control	frequency control	frequency control	frequency control
Roller ratio adjusted according requirements	1:1.22/1:1.35 1:1.4	1:1.22/1:1.35 1:1.4	1:1.1/1:1.22 1:1.4/1:1.7	1: 1.1/1:1.22 1:1.4/1:1.7
Roller hardness	50~60HRC	50~60HRC	50~60HRC	50~60HRC
Roller processing	Mirror polishing chrome plated	Mirror polishing chrome plated	Mirror polishing chrome plated	Mirror polishing chrome plated
Roller spacing	0.1~10mm adjustable	0.1~10mm adjustable	0.1~10mm adjustable	0.1~10mm adjustable
Spacing display mode	Calibration/digital display	Calibration/digital display	Calibration/digital display	Calibration/digital display
Safety device	Collision type emergency stop	Collision type emergency stop	Collision type emergency stop	Collision type emergency stop
Safety device number	8 PCS	8 PCS	8 PCS	8 PCS
Special function	Emergency stop inversion	Emergency stop inversion	Emergency stop inversion	Emergency stop inversion
Motor power	4.5KW	5.5KW	7.5KW	15KW
Power voltage	3phase, AC380V	3phase, AC380V	3phase, AC380V	3phase, AC380V
Dimension	1*1.1*1.4 (M)	1*1.1*1.5 (M)	1.5*1.2*1.5 (M)	1.5*1.3*1.6 (M)
Weight	≈2T	≈2.5T	≈3.4T	≈4T

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