



Holmes Bros. Technologies

Safe and Adaptable Sample Preparation

Crusher • Pulverizer • Riffle



Crusher



Riffle



Pulverizer

Exclusive Distributor
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Crusher, Pulverizer and Riffle

Holmes Crusher

The Holmes Crusher has powerful crushing ability and can maintain continuous operation. The custom alloy steel swing hammers ensure long life. Stressing safety in operation, open latch sensor will cut power to the motor. For ease of movement, the crusher is mounted on four casters. Optional actuator and dust control available. The rotor assemblies are reversible (end-for-end) for maximum hammer life.



Crusher 201XL

Capacity of 1000 pounds per hour (3/16" screen plate) and 500 pounds per hour (1/16" screen plate).



Crusher 401XL

Capacity of 4000 pounds per hour (3/8" screen plate) and 2500 pounds per hour (3/16" screen plate).



Holmes Riffle

The Holmes Riffles are totally enclosed and include both floor and benchtop models. They consist of galvanized or stainless steel feed chutes, spouts, and drawers. The 70XL has 18 spouts, 3/4" wide for minus-6 mesh coal. Tilt lugs are bolted to the feed chute. A dolly, which will raise the riffle about three inches, is also available.

Holmes Pulverizer

The Holmes Pulverizer is designed for small sample volumes of coal particles 3/16" and smaller. The processing rate can reach approximately 1 lb. per minute using a .024" (60 mesh) hole screen plate.

It is constructed of painted steel and cast iron. Long service life design based on the heat-treated Rotor. Electrical design is for indoor non-hazardous environments and suitable for a variety of electricity needs. You can contact our representatives with your application.

All the Holmes sample preparation equipment can be easily combined with industrial robots to implement automated operation, improve work efficiency and safety.



Pulverizer 502XL

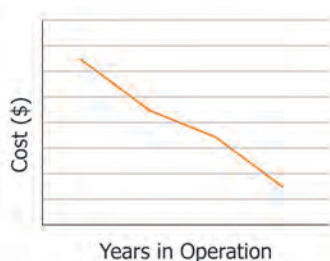
Multiple Models

Sample preparation equipment includes Crushers, Pulverizers and Riffles. They meet a variety of sample preparation needs and are suitable for a variety of preparation needs.



Long Life and Safe Operation

The highest quality steel construction ensures the longest operational lifetime. Enhanced mechanical and electrical features ensure operator safety.



Adaptable Design

Easily combined with industrial robots for automatic and high throughput operation. Successful application experience worldwide.



Crusher, Pulverizer and Riffle

Adaptable and Extensible Design

Efficient and unattended automatic sample preparation has enhanced the traditional working mode. Our design philosophy is to provide for efficiency, automation and safety. Holmes products have an open interface design, so they can be easily combined with industrial robots. With years of experience and the successful completion of some of the world's largest automation projects we can integrate into your production needs. Our team can help at the conception, design, review and implementation stages of your project.



Long Life and Safe Operation

Long Life

- Highest Average Lifetime
- Main case constructed of painted steel and cast iron. High quality materials and excellent paint process to ensure the equipment lasts for a long time.
- The main rotor is heat-treated to achieve maximum life.

Safe Operation

- A quick-opening latch provides easy access. Open latch sensor cuts power to the motor when the door is open.
- Emergency Stop Button ensures that the operator can quickly stop the equipment in case of an emergency.



Catalog Information

Various Models for Choosing

Each device is available in at least two models. You can choose according to your needs. For detailed information, please refer to the ordering page or visit www.preiser.com.

Crusher

Our crusher comes in the 201XL and 401XL models. Using a 3/16" diameter screen, 201XL has a capacity of 1000 pounds per hour and 401XL has 2500 pounds per hour. 201XL is recommended for crushing 2-inch and smaller material. 401XL is recommended for crushing 6-inch and smaller material to minus-4 mesh. The crusher is supplied with about 10 feet of cable to connect to the power source. Some models offer explosion-proof motor.

Crusher

Catalog No.	Model and Description	Volts/Phase/Hertz
91-6730-01	201XLA1-FC, Crusher 7 x 6, 2 H.P.	230/3/60
91-6730-02	201XLE2-FC, Crusher 7 x 6, 2 H.P.	230/1/50
91-6730-03	201XLD2-FC, Crusher 7 x 6, 2 H.P.	230/1/60
91-6730-05	201XLC1-FC, Crusher 7 x 6, 2 H.P.	575/3/60
91-6730-06	201XLF1-FC, Crusher 7 x 6, 2 H.P.	208/3/60
91-6730-07	201XLB1-FC, Crusher 7 x 6, 2 H.P.	230/3/50
91-6730-08	201XLX1-FC, Crusher 7 x 6, 2 H.P.	230/3/60 Explosion-Proof
91-6730-09	201XLB2-F, Crusher 7 x 6, 2 H.P.	380/3/50
91-6730-10	201XLD1-FC, Crusher 7 x 6, 2 H.P.	115/1/60
91-6730-13	201XLX2-FC, Crusher 7 x 6, 2 H.P.	460/3/60 Explosion-Proof
91-6830-01	401XLA1-FC, Crusher 10 x 15, 7-1/2 H.P.	230/3/60
91-6830-02	401XLE1-FC, Crusher 10 x 15, 5 H.P.	230/1/50
91-6830-03	401XLC1-FC, Crusher 10 x 15, 7-1/2 H.P.	575/3/60
91-6830-04	401XLX1-FC, Crusher 10 x 15, 7-1/2 H.P.	230/3/60 Explosion-Proof
91-6830-05	401XLD1-FC, Crusher 10 x 15, 7-1/2 H.P.	230/1/60
91-6830-07	401XLB2-FC, Crusher 10 x 15, 7-1/2 H.P.	380/3/50
91-6830-09	401XLF1-FC, Crusher 10 x 15, 7-1/2 H.P.	208/3/60
91-6830-11	401XLB1-FC, Crusher 10 x 15, 7-1/2 H.P.	220/3/50
91-6830-12	401XLB3-FC, Crusher 10 x 15, 7-1/2 H.P.	440/3/50
91-6830-15	401XLA2-FC, Crusher 10 x 15, 7-1/2 H.P.	460/3/60
91-6830-16	401XLX2-FC, Crusher 10 x 15, 7-1/2 H.P.	460/3/60 Explosion-Proof
91-6830-17	401XLX3-FC, Crusher 10 x 15, 5 H.P.	190/3/50 Explosion-Proof
91-6830-18	401XLX4-FC, Crusher 10 x 15, 5 H.P.	380/3/50 Explosion-Proof

Perforated Screen Plate for Crusher

Catalog No.	Model and Description
91-6850-16	1/16" screen plate for 401XL
91-6850-19	3/32" screen plate for 401XL
91-6850-11	1/8" screen plate for 401XL
91-6850-12	3/16" screen plate for 401XL
91-6850-13	1/4" screen plate for 401XL
91-6850-18	5/16" screen plate for 401XL
91-6850-14	3/8" screen plate for 401XL
91-6850-15	1/2" screen plate for 401XL
91-6850-17	3/4" screen plate for 401XL
91-6850-61	1" screen plate for 401XL
91-6741-15	1/16" screen plate for 201XL
91-6741-20	3/32" screen plate for 201XL
91-6741-16	1/8" screen plate for 201XL
91-6741-17	3/16" screen plate for 201XL
91-6741-18	1/4" screen plate for 201XL
91-6741-19	3/8" screen plate for 201XL
91-6741-21	3/64" screen plate for 201XL
91-6741-22	1/2" screen plate for 201XL



Crusher, Pulverizer and Riffle

Catalog Information (continued)

Pulverizer

Our pulverizer also has two models, the 500DG and 502XL. Using a .024" hole screen plate, 500DG has a capacity of 400 grams of coal per minute and 502XL has 1 lb per minute. Both are recommended to pulverize minus-4 mesh coal to minus-60 mesh. The 500DG is the more economical model. The 502XL has more electrical configurations and options (eg: explosion-proof). Pulverizer is supplied with a 5 foot power cable.

Pulverizer

Catalog No.	Model and Description	Volts/Phase/Hertz
91-7122-01	502XLB2-BS Pulverizer	230/1/50
91-7122-02	502XLA2-BS Pulverizer	230/1/60
91-7122-03	502XLA1-BS Pulverizer	115/1/60
91-7122-04	502XLX2-BS Pulverizer	230/1/60 Explosion-Proof
91-7122-08	502XLX4-BS Pulverizer	230/1/50 Explosion-Proof
91-7120-01	500DGA1-BS Pulverizer, Normal Hopper, Direct Drive, 6 x 2, 1 H.P.	115/1/60
91-7120-02	500DGA2-BSXH Pulverizer, Extended Hopper, Direct Drive, 6 x 2, 1 H.P.	115/1/60
91-7120-03	500DGA2-BS Pulverizer, w/o Screens, Direct Drive, 6 x 2, 1 H.P.	115/1/60
91-7120-04	500DGB2-BS Pulverizer, Direct Drive, 6 x 2, 1 H.P.	220/1/50
91-7120-05	500DGB2-BSXH Pulverizer, w/Extended Hopper, Direct Drive, 6 x 2, 1 H.P.	220/1/50

Perforated Screen Plate for Pulverizer

Catalog No.	Model and Description
91-7130-25	.024" / 60 mesh screen plate for 502XL
91-7130-26	.040" / 30 mesh screen plate for 502XL
91-7130-27	.033" / 40 mesh screen plate for 502XL
91-7130-28	.0625" / 20 mesh screen plate for 502XL
91-7130-30	.0937" / 10 mesh screen plate for 502XL
91-7130-31	.020" / 80 mesh screen plate for 502XL
91-7130-25	.024" / 60 mesh screen plate for 500DG
91-7130-26	.040" / 30 mesh screen plate for 500DG
91-7130-27	.033" / 40 mesh screen plate for 500DG
91-7130-28	.0625" / 20 mesh screen plate for 500DG
91-7130-30	.0937" / 10 mesh screen plate for 500DG
91-7130-31	.020" / 80 mesh screen plate for 500DG

Riffle

We offer seven riffle models. Models 50XL, 60XL, 70XL, 80XL are floor models and have galvanized steel or stainless steel material for choosing. Models 15FXL, 17FXL, 18FXL are bench top and stainless steel material.

Catalog No.	Model and Description
91-8138-01	50XL, Sample Riffle, 14 Spouts, 1" Wide, Galvanized Steel
91-8138-02	50XL, Sample Riffle, 14 Spouts, 1" Wide, Stainless Steel
91-8139-01	60XL, Sample Riffle, 28 Spouts, 1/2" Wide, Galvanized Steel
91-8139-02	60XL, Sample Riffle, 28 Spouts, 1/2" Wide, Stainless Steel
91-8140-01	70XL, Sample Riffle, 18 Spouts, 3/4" Wide, Galvanized Steel
91-8140-02	70XL, Sample Riffle, 18 Spouts, 3/4" Wide, Stainless Steel
91-8142-02	80XL-S, Sample Riffle, 16 Spouts openings on 2" centers, Stainless Steel
91-7985-01	15FXL, Sample Riffle, 24 Spouts, 3/8" Wide, Stainless Steel
91-7987-01	17FXL, Sample Riffle, 24 Spouts, 1/2" Wide, Stainless Steel
91-7988-01	18FXL, Sample Riffle, 24 Spouts, 3/4" Wide, Stainless Steel

To get more detailed information on products and related parts, please visit www.preiser.com.

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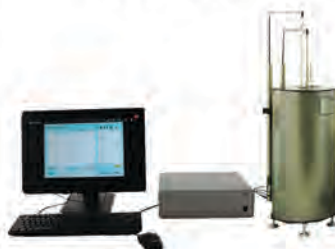
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We started our business in 1924 to support the safety and creativity of the scientific community. Our laboratory offerings drive excellence in education, government, corporations, water, mining, and many other organizations. We are dedicated to selling the highest quality products. Holmes Bros. Technologies products are proudly produced in Danville, Illinois.

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