

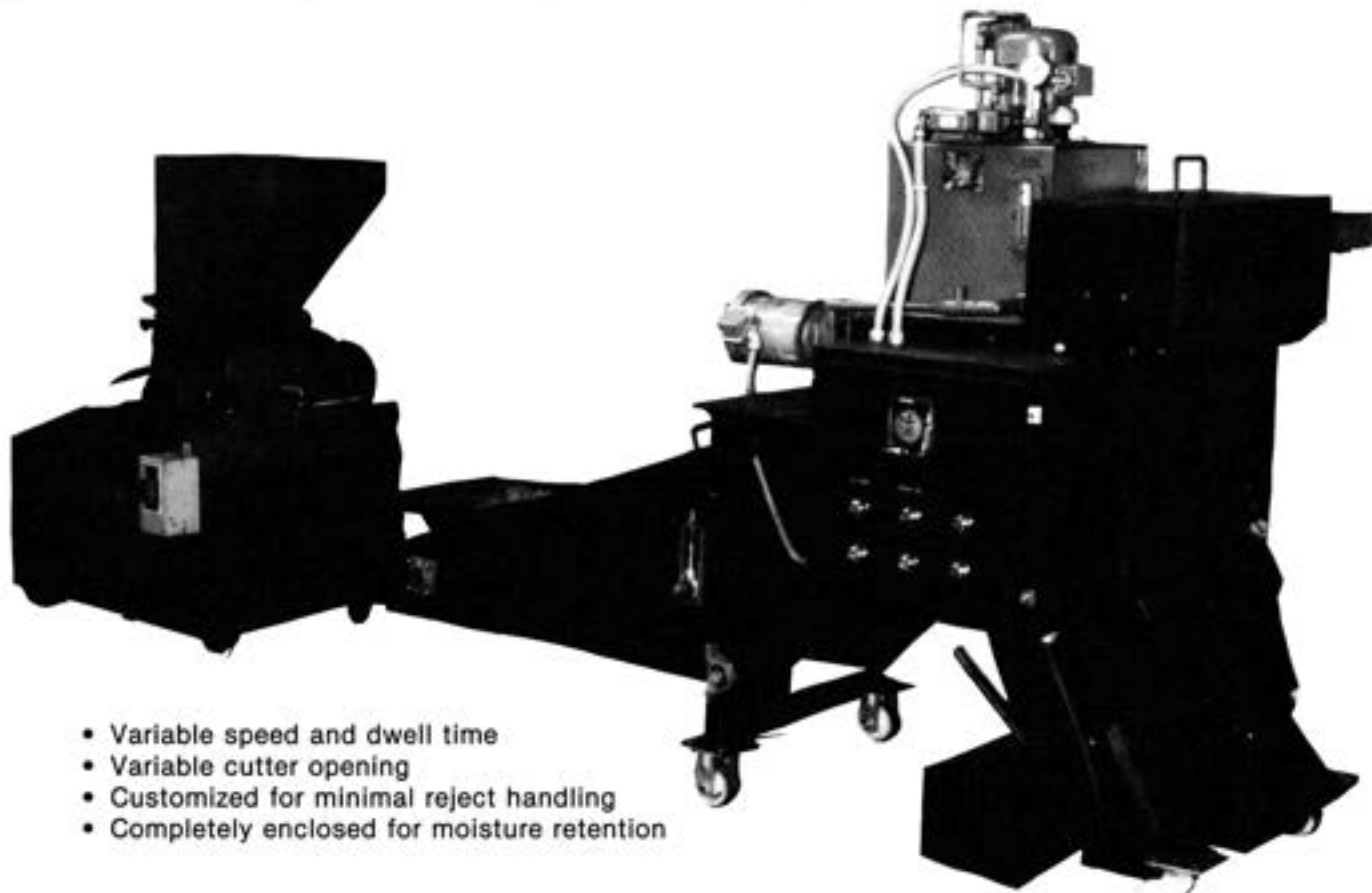


# PRECISION SAMPLERS, INC.

THE SOURCE FOR ALL YOUR MECHANICAL SAMPLING NEEDS

## MSS-G1 MECHANICAL SUB-SAMPLER

For splitting of coal received either by manual insertion or directly from a crusher. Designed to fit under a Holmes 401 or 401 XL crusher for laboratory applications or as a final stage cutter for a mechanical sampling system. Meets ASTM requirements. The system has been fully bias tested and shown to be "bias free."



- Variable speed and dwell time
- Variable cutter opening
- Customized for minimal reject handling
- Completely enclosed for moisture retention

### FAST • ACCURATE • DEPENDABLE

The Model MSS-G1 Mechanical Sub-Sampler accepts the sample either directly from the laboratory crusher or manually from an auxiliary feed hopper for off-line applications. The feed belt which is mechanically spliced for ease of maintenance, has adjustable head and tail pulleys for ease of alignment and take-up. The system is completely enclosed for sample moisture retention.

The hydraulically driven stainless steel cutter is completely adjustable in terms of cutter opening, cutter speed, and cutter dwell time. A manually operated flop gate enables the operator to save the entire sample if it is 50 pounds or less.

All chutework and sample containers are made of stainless steel. Custom designed reject transfer systems are offered to meet the customer's specification.



PRECISION SAMPLERS, INC.  
900 MacCorkle Ave., S.W.  
Charleston, West Virginia 25303  
Phone: (304) 343-5160



## MSS-G1 MECHANICAL SUB-SAMPLER

### SPECIFICATIONS

#### General

Weight 800 pounds

Dimensions 6' 0" H x 8' 0" L x 5' 0" W

Chutework — 10 gauge stainless steel

Sample save can capacity — 15 lbs.

Sample reject can capacity — 50 lbs.

Manually operated flop gate enables operator to save entire sample

Caster mounted

#### Electrical

240 vac, 3 phase, 50/60 Hz, 30 amp

Control box Nema 4 enclosure

120 V control circuitry

Lighted pushbuttons

#### Hydraulic System

1½ HP drive

10 gallon reservoir with level, temperature and pressure gauges, variable relief and flow control valves

#### Feed Belt

½ HP drive

4000 #/hr capacity

12" PVC flanged belt with mechanical splice

#### Cutter

Variable speed adjustment (0 - 18 in./sec.)

Variable dwell adjustment (0 - 30 sec.)

Variable opening adjustment (1¼" - 3")

**YES. I am interested in a Mechanical Sub-Sampler MSS-G1**

- Please send more information  
 Have a Sales Representative call

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_ Telephone \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



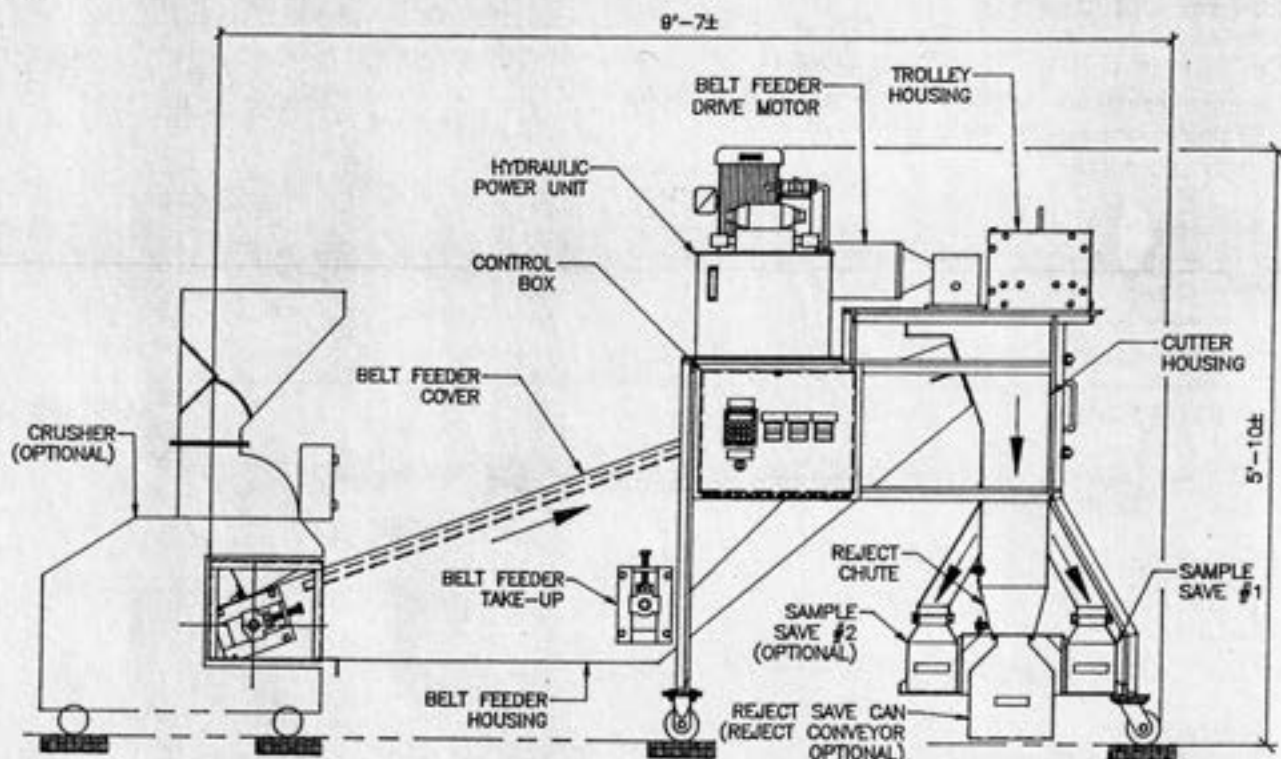


# PRECISION SAMPLERS, INC.

THE SOURCE FOR ALL YOUR MECHANICAL SAMPLING NEEDS

## MSS-G3 MECHANICAL SUB-SAMPLER

For splitting of coal received either by manual insertion or directly from a crusher. Produces either one or two save samples. Designed to fit under a Holmes 401 or 401 XL crusher for laboratory applications or as a final stage cutter for a mechanical sampling system. Meets ASTM requirements. The system has been fully bias tested and shown to be "bias free."



- Variable speed and dwell time
- Variable cutter opening
- Optional single or double cutter
- Customized for minimal reject handling
- Completely enclosed for moisture retention

**FAST \* ACCURATE \* DEPENDABLE**

The Model MSS-G3 Mechanical Sub-Sampler accepts the sample either directly from the laboratory crusher or manually from an auxiliary feed hopper for off-line applications. The feed belt, which is mechanically spliced for ease of maintenance, has adjustable tail and take-up pulleys for ease of alignment. The system is completely enclosed for sample moisture retention.

The hydraulically driven stainless steel cutter is completely adjustable in terms of cutter opening, cutter speed, and cutter dwell time.

All chutework and sample containers are made of stainless steel. Custom designed reject transfer systems are offered to meet the customer's specification. Reject conveyor replaces reject save can.



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Email: PSIsampler@aol.com



**PRECISION SAMPLERS, INC.**

147 Eleventh Avenue, Suite 200, South Charleston, WV 25303, (304) 744-5534

## **MSS-G3 MECHANICAL SUB-SAMPLER**

### **SPECIFICATIONS**

#### General

Weight -- 1300 pounds  
Dimensions -- 5'-10" H x 9'-7" L x 5'-0" W  
Chutework -- 10 gauge stainless steel  
Sample save can capacity -- 20 lb per save container  
Sample reject can capacity -- 60 lb  
Caster mounted

#### Electrical

240 or 480 VAC, 3 Phase, 50/60 Hz, 30 Amp  
Control box -- Nema 4 enclosure  
120 V control circuitry  
Lighted push-buttons

#### Hydraulic System

2 HP drive  
10 gallon reservoir with level, temperature and pressure gauges, variable relief and flow control valves

#### Feed Belt

1/2 HP drive  
4000 #/hr capacity  
12" PVC flanged belt with mechanical splice

#### Cutter

Variable speed adjustment (0 - 18 in./sec.)  
Variable dwell adjustment (0 - 30 sec.)  
Variable opening adjustment (1-1/2" - 3")

---

YES. I am interested in a Mechanical Sub-Sampler MSS-G3.

Please send more information  
 Have a Sales Representative call

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Company \_\_\_\_\_ Telephone \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



**THE SOURCE FOR ALL YOUR MECHANICAL SAMPLING NEEDS.**

# **PSI ELECTRIC ROTARY SWEEP SAMPLER**

## **SPECIFICATIONS**

### **GENERAL**

- \* Electro-mechanical drive
- \* 360 degree rotation of sweep sampler
- \* Chutework - 304 type stainless steel
- \* Cutter width - tailored to application
- \* Cutter material - type 304 stainless steel
- \* Frame - Rigid Designed A36 Structural Steel
- \* Housing - 11 gauge mild steel plate
- \* Shroud - 11 gauge type 304 stainless steel

### **ELECTRICAL**

- \* 240/460 VAC, 3 Phase, 50/60 HZ
- \* Horsepower - tailored to application
- \* Integral gear motor with electro-magnetic brake
- \* 120 volt control circuitry
- \* NEMA 4 electrical enclosures

### **FEATURES**

- \* Easy retrofit on existing conveyor
- \* Low cost installation
- \* Compact design for minimum space requirements
- \* Low maintenance requirements

### **OPTIONS**

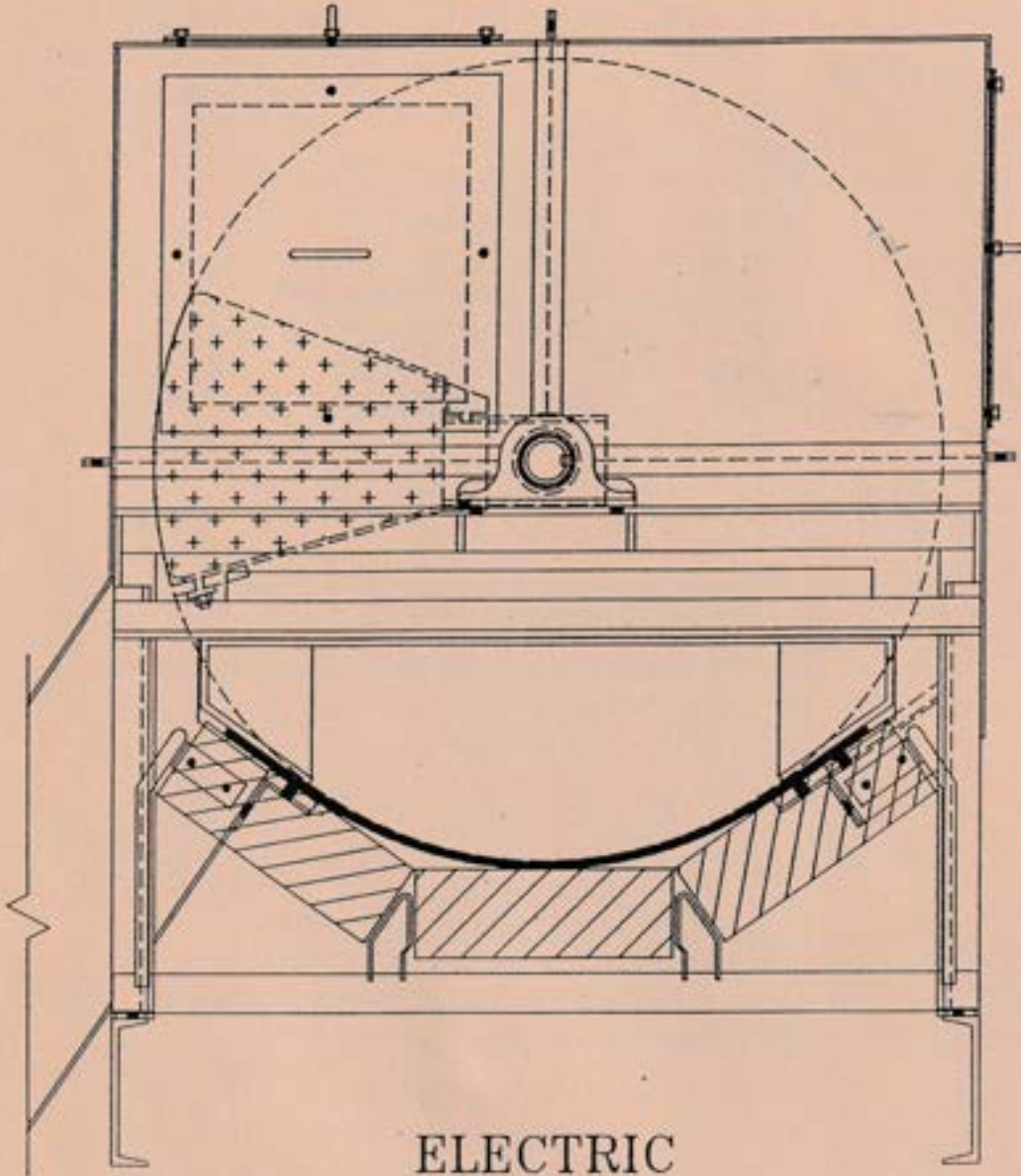
- \* Complete 2-stage sampling system with belt feeder, crusher, secondary sampler, sample collector, and reject conveyor


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# PRECISION SAMPLERS, INC.

THE SOURCE FOR MECHANICAL SAMPLING SYSTEMS



 Rotary Sweep Sampler