



PR ENGINEERING
LIMITED

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With a solid reputation of providing the mining industry with the manufacturing and re-build of rugged, dependable jaw crushers for almost 50 years, **PR Engineering** has taken its proven design technology to a new level - by downsizing!

Due to market demand, a miniature version of their industry-leading Birdsboro Buchanan crushers was developed to provide users with the performance of a production crusher in a lab-sized package, and a fraction of the cost.

The **PREMAC1** is the only crusher in its class that features double-toggle action. This means better crushing performance, resulting in a more consistent final product with less effort to crush the same amount of rock and reduce wear on moving parts.

Weighing in at just 2,300 pounds, it is a portable, robust, 6' x 10' crusher that is ideal for sampling stations, pilot plants, prospecting, exploration, labs and quarries, and for use in adverse conditions where smaller lab crushers would be ineffective.

Its just part of the line of custom engineered solutions designed by **PR Engineering** to solve all types of crushing problem. After all, size matters!



The **PREMAC1 Mobile Access Crusher** with sealed roller bearings provides reliable operation with minimal maintenance. High precision machining and assembly ensures smooth operation with minimal vibration. Anti-vibration mounting isolates crusher base from the support frame, thereby eliminating vibrations.

TECHNICAL DATA

Specification	Imperial	Metric
Inlet Dimensions	6" x 10"	152mm x 254mm
Variable Discharge – throughput:	1/4" – 2 ton per hour	6mm – 1800 kg per hour
Variable Discharge – throughput:	1/2" – 3 ton per hour	13mm – 2700 kg per hour
Material Feed Size:	approx. 80% of smallest inlet dimension 4.8"	122mm
Lubrication:	Long-life sealed roller bearings	
Adjustment Range of Jaw:	1 5/8" by mechanical system	41mm
Toggle Rotation:	290 rpm	
Equipment Weight without Motor:	2252 lbs	1000 kg
Approximate Dimensions:	33"w x 42.75"d x 33.125"h	838mm(w) x 1086mm(d) x 841mm(h)

Standard Features: PREMAC1

- Jaw Plate is reversible for extended life – manganese steel for swing jaw and front head
- Roller Bearings used throughout
- Safety Toggle
- Manual Toggle adjustment
- Tough fabricated steel construction
- Motor: Type TECO/Westinghouse, 10hp, 575 Volts / 3 Phase / 60hz, 1,450 rpm, 215T Frame
- V-belt Drive with safety guarding

Accessories & Options

- Support Base
- Sample collection tray
- Rectangular Inlet Hopper
- Field Hopper & Discharge Chute for Sampling Tower or Pilot Plant

PORTABLE FIELD EXPLORATION UNIT

Our field exploration unit provides convenient crushing of rock samples on-site in a single, complete portable package which includes:

- PREMAC 1 – mobile access crusher
- Custom trailer with support base mount, adjustable stabilizer legs, tongue-mounted utility box,
- Control Panel



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Since 1965, **P.R. Engineering Limited** has been committed to the crusher industry in all aspects of **manufacturing, remanufacturing, component repair, supplying parts and service.**

As the sole manufacturer of the **BIRDSBORO BUCHANAN** line of Jaw Crushers, we have the distinction as the **only** heavy-duty, **double-toggle crusher manufacturer** capable of carrying out the work **in-house.**

No matter what make or size crusher being considered, **P.R. Engineering** is one of the few companies in the world today which not only designs and manufactures its own line of crushers, but also specializes in the complete remanufacturing, repairing, and supplying of parts and service to most makes of crushers.

Our well known **"Total Remanufacturing Package"** starts where others leave off. This is why we are able to offer, with confidence, a warranty on our remanufactured crushers as we do on our new crushers.

