



BUEHLER/METASERV®
SAMPLMET® 2
ABRASIVE CUTTER

The SAMPLMET® 2 Abrasive Cutter is built to cut smaller parts and components, including fasteners, with utmost efficiency and economy. This compact manual bench-top cutter will section up to 1¼" (32mm) diameter solid stock, utilizing a 1 HP (735W), single phase motor and economical 9" (22.9cm) abrasive cut-off wheels. The enclosed cutting compartment is equipped with a left hand cam activated vise which is mounted to a rugged alloy base casting to ensure rigidity. A corrosion-proof glass-reinforced-plastic hood minimizes noise during operation.

The design of the SAMPLMET® 2 provides optimum accessibility to the cutting chamber for easy clean-up and fast wheel changing. A counter-balanced, pivoting motor gives the operator outstanding "feel" as the cutting wheel is manually advanced downward through the stationary sample. All controls are front

mounted for operator convenience. An electrical interlock, coupled to the protective hood, disconnects power when the hood is raised.

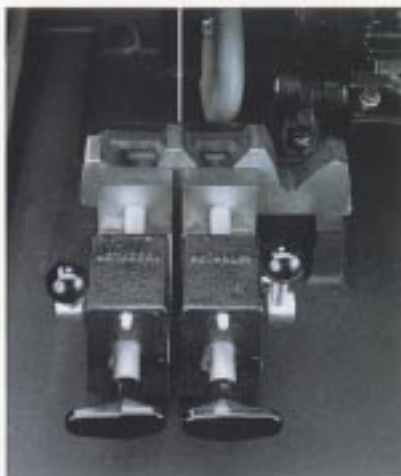
In addition to its superior design, the SAMPLMET® 2 incorporates the following features:

- Large viewing window for monitoring the cutting operation
- Flush hose for keeping the cutting chamber clear of swarf
- Rubber sealed side ports to facilitate the sectioning of lengthy pieces
- Operation on single phase power
- High capacity recirculating coolant system to supply an even flow of coolant to the wheel and sample during cutting

The new BUEHLER/METASERV® SAMPLMET® 2 Abrasive Cutter has all the quality features of much larger machines at an affordable price. It is the ideal unit for small part and fastener cutting applications.

SAMPLMET® 2

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Cam activated vises (left hand vise standard) grip samples securely during sectioning.



Twin hose jets apply coolant to both wheel and sample during cutting operation.



Rubber sealed side ports allow sectioning of long stock.

Specifications

No. 95-C1700-160 SAMPLMET® 2 Abrasive Cutter, complete bench top unit with recirculating coolant system, includes totally enclosed cutter with 1 HP (735W) motor, 3400 RPM no load speed, 1¼" (32mm) diameter solid bar cutting capacity, 1½" (38mm) vise capacity, light alloy base casting, molded glass-reinforced-plastic hood, left-hand cam activated vise, operator controls, clean-out hose, recirculating system with ½ HP, 1 phase motor, baffled 7 gallon (27 liter) tank with flow control valve, 1" (25mm) coolant drain, interconnecting hoses and electrical cable. Includes samples of SOLUBLE OIL and assorted 9" (22.9cm) abrasive cut-off wheels. Operating instructions. For 115V/60Hz/1 phase operation.

No. 95-C1700-250 SAMPLMET® 2 Abrasive Cutter, same as 95-C1700-160 except for 220-240V/50Hz/1 phase operation, 2850 RPM no load speed.

Dimensions: 22" W x 21½" D x 16" H (55.9 x 54.6 x 40.6 cm)

Shipping Weight: 161 lbs. (73kg)

Accessories

No. 95-C1701 Right Hand Vise, fast acting cam activated vise for gripping right side of specimen.

No. 95-C1702 Fastener Vise, special vise for gripping fasteners and other small parts and positioning them in close proximity to the cut-off wheel.

Consumable Supplies

For a complete listing of BUEHLER Consumable Products, refer to BUEHLER ANALYST® Section 7: *Cutting, Grinding, Mounting and Polishing Supplies for Microstructural Analysis.*