

NORMAC HS 12

Automatic hand hack saw blade grinding machine



EXCLUSIVE FEATURES HS12 AUTOMATIC HAND HACK SAW BLADE GRINDING MACHINE

- Grinds positive rake tooth forms as well as conventional tooth forms.
- Produces sharper teeth, improved finish and uniform teeth with little or no burr.
- Eliminates the need to regrind milling cutters.
- Convenient, easy cassette loading system.
- Wheel and dresser slides are heavy cast iron, hardened and ground, and automatically lubricated for greatest durability.
- Fully automatic, self-compensating rotary diamond roll dressing system.
- Fully enclosed grinding chamber for clean, quiet operation.

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NORMAC, Inc. / Precision Grinding Machines



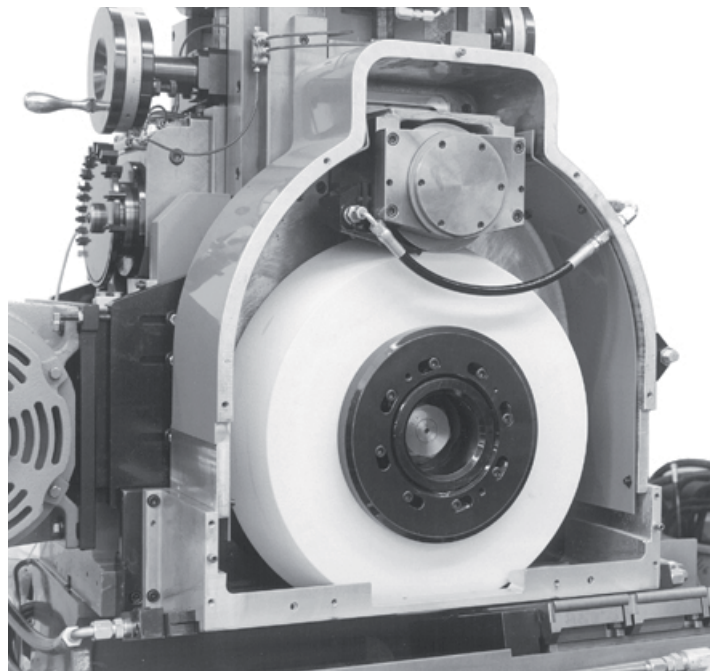
MACHINE DESCRIPTION

One of the most prevalent methods of producing hand hack saw blades is the milling method.

Although widely used, there are some inherent problems in the milling process, such as availability of milling cutters from varied sources and the re-sharpening of dull and worn cutters.

With the HS12 Automatic Hand Hack Saw Blade Grinding Machine, Normac has proven the superiority of grinding over milling for hand hack saw blade production. The HS12 eliminates milling problems by incorporating innovative features such as a precision grinding wheelhead assembly, extremely accurate needle bearing slideways, automatic self-compensating dresser system and quick, easy setup and operation.

The result is the finest blades possible; blades that have sharper more uniform teeth, little or no burr, no bent teeth due to cutting forces on the blade, and tooth size and shape that are uniform lot to lot.



TECHNICAL SPECIFICATION:

Blade Sizes	0,56 mm - 0,65 mm (.022" to .025") thick, 13 mm (.50") wide, 250 mm (10") or 300 mm (12") long. Carbon steel, High speed steel or Bimetal.
Estimated Production Rate:	3,000 to 4,000 blades per hour average.
Grinding Wheel Size:	500 mm (20") O.D. x 203,2 mm (8") I.D. x 100 mm (4") wide., 15° face angle. Vitrified bonded type.
Coolant Requirement:	190 L.P.M. @ 8 atmospheres (50 G.P.M. @ 120 P.S.I.). Note: Coolant system not furnished with the machine.
Electrical Requirement:	230, 380, 415, 460 OR 575 V.A.C. 50 or 60 Hz, 3 phase, 37 Kw.
Floor Space:	1,8 m x 1,9 m (72" x 78").
Shipping Weight:	3720 kg (8,200 lbs.)