For Circular Saw Blades

The uniMAX-750 automatic grinding machine is ideal for the smaller shop as its first automatic machine, for the mid-sized shop as a dedicated face grinder or a dedicated speciality topper for the larger shop that has sufficient ATB, Flat and Trim Saw volume. Manufactured in Europe, the machine conforms to a high standard of quality while remaining fairly priced.

The automatic machine is capable of grinding all standard tooth shapes on carbide-tipped circular saw blades up to 750 mm in diameter for cutting wood, plastic and other materials.

The rigid machine base forms the basis of outstanding stability and excellent grinding results.

The full cabin enclosure keeps the workplace clean, reduces noise, and provides operator protection. The central control panel is used to enter machining data, such as tooth shapes, number of teeth and pre-selections of grinding wheel directions. A diagnostic program allows for efficient and economical troubleshooting. The control panel is used to display the number of teeth remaining in the current cycle as well as manually control set up operations such as turning on and off the hydraulics, lights and coolant, indexing the teeth, positioning the grinding head, and switching between face and top grinding.

An automatic swivel mounted grinding head allows the uniMAX-750 to grind bevel angles of up to 45°.

As a result of the automatic grinding wheel lift off and rapid return of the grinding head grinding times are reduced to a minimum and multi-grit wheels can be used to improve finish quality. A hydraulically powered clamp holds saw blades rigidly in position during the grinding operation.

An easy to operate setting and clamping system allows the saw blade to be quickly moved in and out of the grinding position.

The grinding head speed can be adjusted independently in both directions allowing the operator to minimize cycle time while maintaining superior edge finish quality. The optional hollow grinding device achieves perfect hollow tooth grinding results on both hollow face and hollow top teeth.

Precision grinding for a wide variety of tooth shapes. A geared motor allows the operator to switch-over from top to face grinding in less than 2 minutes.
TOP GRINDING PROGRAMS

- Alternating Top Bevel (ATB) — 1
- All Left Bevels or Right Bevels (Hoggers) — 1
- Flat Top — 1
- Triangular Tooth — (Inverted Vee or Pointed) — 1
- Alternate Chamfering of HSS Cold Saw Blades with CBN Grinding Wheels — 1
- Pointed and Flat Tooth — 2
- 4-1 Combo — 2
- Triple Chip with Hi-Low — 3

STANDARD SYSTEM INCLUDES

- Flood Coolant System
- Low Voltage Machine Lamps
- Tooth Counter
- Set of Saw Bushings
- External Multi Tap Transformer for Voltage Stabilization

Features

- Totally Enclosed Cabin
- Ultra Rigid Machine Base
- Intuitive Controls for Quick Learning Curve
- Internal Diagnostics for trouble shooting
- "Lift Off" Face and Top Grinding
- Alternating Shear Face Grinding in One Revolution
- Optional Hollow Grinding (Face & Top)
- Hydraulic Saw Blade Clamp Rigidly Supports Blade During Grinding
- Independently Variable Grinding Speed Forward and Back
- Top Grinding of All Common Tooth Configurations

SPECIFICATIONS

- Circle Saw Size 4" to 30"
- Power Consumption 2.75 kw
- Maximum Blade Thickness 5 mm
- Tooth Pitches 7 to 100 mm
- Grinding Speed Variable up to 18 teeth/min
- Voltage Std. 220V/440V/3ph/60Hz
- Ship Weight 1,550 lbs.

IMPORTANT NOTE:

With the UniMAX's user friendly controls your operators will be grinding blades profitably within a day. Set-up is intuitive, does not require extensive training and won't intimidate your operators like more complex CNC systems.

East Coast: 1-888-777-2729
West Coast: 1-800-252-6355
www.csaw.com • info@csaw.com