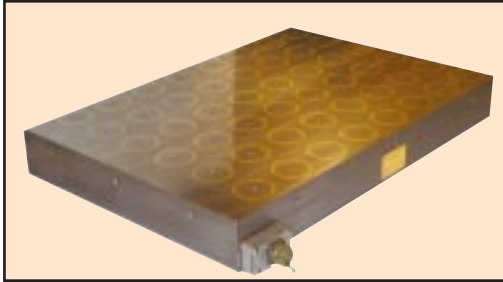


# ALPHA ♦ MILL ♦ ROUND MILLING CHUCK

The Alpha ♦ Mill ♦ Round Milling Chuck is a Permanent-Electro Magnetic System, it requires electricity for just a fraction of a second to polarize the magnets contained within the chuck. No electricity is required to maintain the magnetism and is therefore “failsafe.” The Alpha Mill Round provides significant magnetic clamp force for milling, drilling, tapping and other machining processes, while managing the magnetic flux.



ALPHA MILL ROUND POLE CHUCK

**MADE IN  
THE USA!**

Patent # 6,489,871



- ♦ The Alpha Mill Round uses Permanent-Electro Magnetic technology. Power turns magnetism ON or OFF. **No Power** is required to maintain the Magnetic Clamping. *\*Available in 110 volt, 220 volt and 440 volt.*
- ♦ Each Pole generates up to 1400 lbs of clamping force.
- ♦ Magnetic Clamping reduces vibration and increases tool life.
- ♦ Reduce set up time by up to 50% from conventional fixturing. Allows for 5 face machining in a single setup, therefore reducing the number of setups. It is perfect for contour work.
- ♦ It is magnetically designed to substantially reduce stray flux, and provide significant clamp force for machining without troublesome chip adhesion.
- ♦ Top Tooling – Simple mild steel Pole Risers can be used to raise the part off the surface of the magnet for through hole work to maintain polar balance thus further avoiding “troublesome chip adhesion”.
- ♦ Each Alpha Mill Chuck is engineered and manufactured to a high quality standard and available in 4” increments in length and width, approximately 3.75” high.
- ♦ The magnetic field penetrates only 0.400” deep into the work piece, keeping the surface of the work piece free of magnetism.
- ♦ The Alpha Mill Round Controller is equipped with circuit breakers, ground fault detection and Current Sensing (to ensure sufficient current has passed to the chuck for maximum magnetic clamping force).
- ♦ The Alpha Controller has the ability to be integrated into a machine’s PLC.
- ♦ Mono block construction for greater rigidity and durability.
- ♦ Solid Steel & Brass surfaces to seal against coolant ingress and maximize clamp force.
- ♦ Available with flanged edge or counter board through holes to quickly mount to “T” slots or sub plates.
- ♦ **PERFECT FOR HARD MILLING**

#### Ideal For:

- ✓ Job Shops, Mold Shops or Production Machining
- ✓ Squaring Up
- ✓ Five Face Machining
- ✓ Thru’ Machining
- ✓ Pallet Applications
- ✓ Large Plate or block Applications

\* voltage is dependent on the size of your magnetic system



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