

Blanchard and Surface Grinding Services



Nifty-Bar, Inc. specializes in blanchard grinding applications. Our array of blanchard grinding equipment can process materials up to 110" on the diagonal. Heights up to 34" can be accommodated on our blanchard grinding equipment.

Blanchard Technology

With blanchard grinding technology, parts are mounted to a rotating chuck and processed by counterrotating grinding wheel segments. This produces a characteristic spiral pattern surface finish that is suitable for a wide variety of precision applications.

Dimensional Control

Blanchard grinding removes material from one side of the part at a time providing fast material removal and precise dimensional control of overall size and part feature relationships.

Diverse Applications

Blanchard ground materials and components are used for diverse applications including:

- Castings
- Component Part Blanks
- Base Plates
- Dies and Molds
- Fixtures
- Gages
- Machine Bases
- Stripper Plates
- Structural Components
- Table Tops

Material Expertise

Nifty-Bar, Inc. has in-depth experience in blanchard grinding all types of magnetic and nonmagnetic materials including:

- All Alloys of Stainless Steel including 17-4 and 15-5
- Aluminum and Cast Aluminum
- Cast Iron
- Copper, Brass, and Bronze
- Delrin
- Invar
- Mold Steels including H13 and P20
- Steel including 4140

Surface Grinding

Surface grinding can be used to achieve better dimensional control and higher surface finishes than are possible with blanchard grinding alone. Surface grinding may be used instead of, or in addition to, blanchard grinding when required for your application.

By combining blanchard grinding for rapid material removal during roughing operations and surface grinding for finishing operations Nifty-Bar, Inc. can quickly and economically provide parts that meet your most demanding requirements. Our surface grinding equipment can accommodate materials up to 30" by 120" by 36" in height.

Contact Us

Call Nifty-Bar, Inc. today to put our blanchard and surface grinding capabilities to work for your company.

