



Large Mill Department

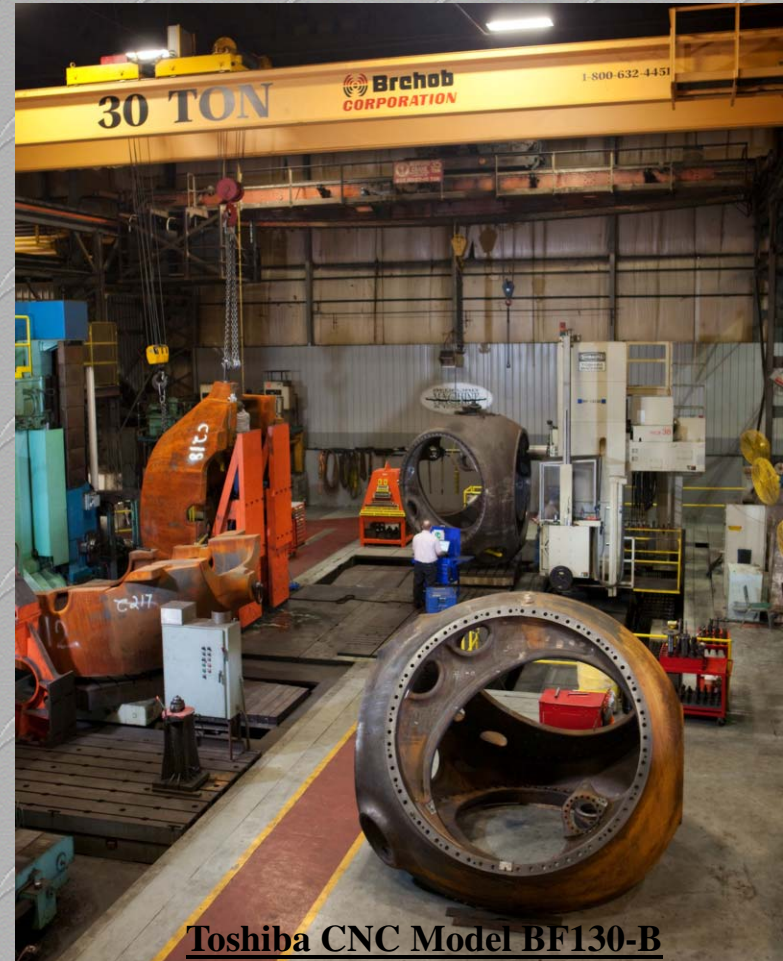
HORIZONTAL BORING MILLS

- **Doosan CNC Model DBC130**; 5.1” Spindle; Travel: 118.1” Horizontal, 78.7” Vertical, 63.0” Column, 27.6” Quill; 70.8” x 63.0” Rotary Table with 33,000lb weight capacity; 60 Station Tool Changer; Fanuc 31i-A Controls
- **(2) WMW Floor Type CNC Model BP150**; 5.9” Spindle; Travel: 118.11” Vertical Head, 236.22” Column, 39.37” Spindle; 137.79” x 137.79” Rotary Table with 100,000 lb weight capacity; Siemens 840D CNC Controls
- **HNK CNC Model HB-150**; 6” Spindle Boring Mill, Travel: 118” Horizontal, 91” Vertical, 63” Column Travel, 87” x 79” Built-In Rotary Table, 33,000 lb Load Capacity, 40 Station Tool Changer, Fanuc 16MC Controls
- **Toshiba CNC Model BF130-B**; 5.1” Spindle Boring Mill, Travel: 354” Horizontal x 118” Vertical x 39” Spindle & Quill, 78” x 98” x 60,000 lb Load Capacity CNC Contouring Rotary Table with 59” Saddle Travel, Tosnuc “888” Controls
- **Union CNC Model BFT-130**; 5” Spindle Boring Mill, Travel: 110” Horizontal x 80” Vertical x 42” Cross Table, 72” x 80” Built-In Rotary Table with 20,000 lb Load Capacity, Hiedenhian “355” Controls
- **Kuraki CNC Model KBM-11-A**; 4.33 Spindle Boring Mill, Travel: 39” Horizontal x 39” Vertical x 27” Cross Table x 11” Axial, 37” x 41” Built-In Rotary Table, 30 Station Tool Changer, Fanuc “16-M” Controls
- **Toshiba CNC Model BFD-200 Die Mill**; 17” x 21” Ram, Travel: 563” Horizontal x 126” Vertical x 40” Ram, 3000 RPM, 120 HP Spindle, 12 Angle and Extension Heads, Fanuc 12 Controls
- **Kuraki Manual Model KBT-100SW**; 4.0” Spindle Boring Mill, Travel: 78” Horizontal x 58” Vertical x 58” Cross Table, 38” x 42” Built-In Rotary Table x 27”

GANTRY / VERTICAL MILLS

- **Ingersoll Bridge Type CNC Planar Mill Model MD4131**; Travel: 376” Table, 231” Cross, 39” Vertical, and 96.4” Cross Rail; 2 Pallets 196” x 137” with 44,000 lbs. load capacity; equipped with automatic head changer and multiple heads; Delta Tau controls
- **Kao Ming CNC Model KMC-3000SD**; Vertical Machining Center; Travel: 127” X-Axis x 55” Y-Axis x 27” Z-Axis, 30 Station Tool Changer, Fanuc “0-M” Controls

Large Horizontal Boring Mills



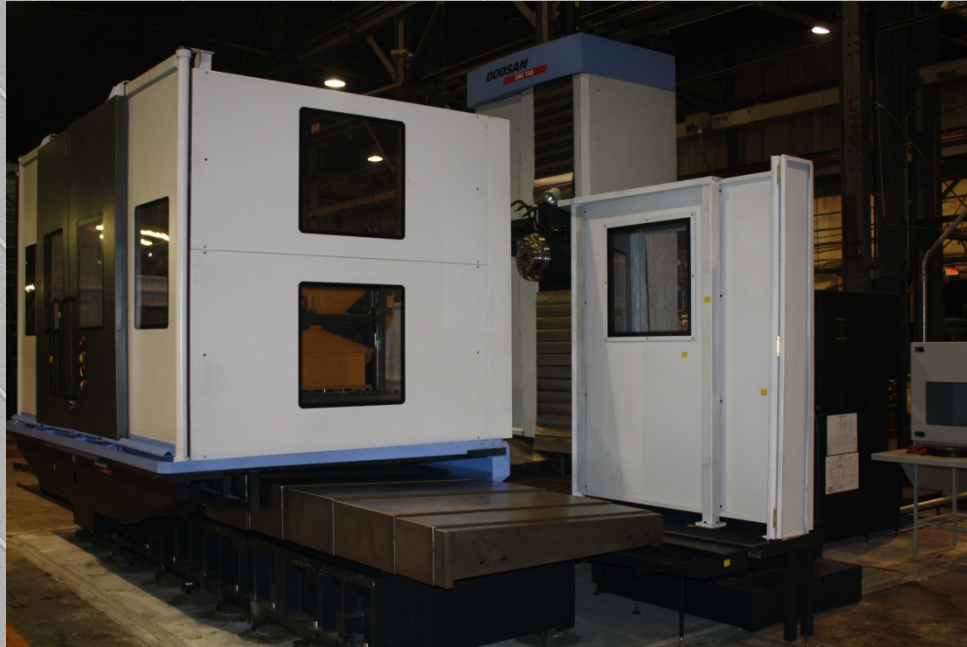
Open floor space and 30 ton lift capacity infrastructure to support large product manufacturing.

Gantry Mill



Bridge type gantry mill with 144" between columns and 44,000 lb weight capacity.

Additional Large Mills



Doosan CNC Model DBC-130



HNK CNC Model HB-150



Kao Ming CNC Model KMC-3000SD