



## Delivering “Well-Rounded” Solutions

PRG is your partner in productivity

### The Company

BOISE CASCADE's International Falls, Minnesota mill specializes in printing and writing paper as well as coated base-stock paper.

### The Problem

Prior to working with PRG, BOISE was required to change its #2 paper machine calender rolls every two months due to extreme wear. This caused excessive machine downtime — which ultimately affected BOISE's bottom line.

### PRG's Solutions

Precision Roll Grinders recommended PRG's Roll Armor<sup>SM</sup>, a proprietary tungsten carbide coating, to efficiently increase roll life. Today, BOISE operates on a 10-12 month rotation; as a result, the mill enjoys increased runtime and profitability.

“The folks at PRG are experts in scheduling and grinding. They always fit us in — and they provide an immediate turn-around. They are great people to work with.”

John Hopkins  
#2 Paper Machine Superintendent  
BOISE CASCADE, LLC

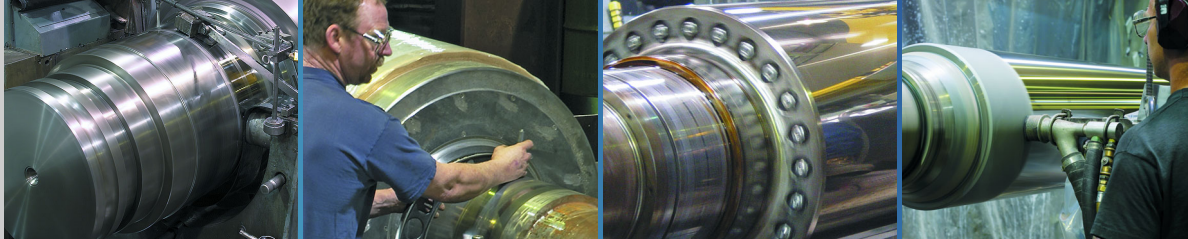


**For total roll care, no one else even comes close™**

To learn more about how PRG can solve your problems — as well as help you achieve the highest levels of productivity, day after day, year after year — please call our nearest location or visit [www.precisionrollgrinders.com](http://www.precisionrollgrinders.com)

**Industries served**

- Aluminum
- Chocolate
- Flooring
- Food Processing
- Forest Products
- Ink
- Nonwovens
- Paper
- Plastic
- Rigid Film
- Rubber
- Metals
- Specialty Metals
- Steel
- Turbine & Compressor



### The Range of Roll Materials:

- Brass
- Carbide Coated
- Ceramic
- Chilled Cast Iron
- Chrome
- Composite
- Copper
- Engraved
- Forged Steel
- Granite
- Polyurethane
- Rubber
- Stainless Steel
- Steel

### Services:

- Custom Roll Grinding (straight, crowns, tapers)
- Chrome Plating
- Computer-Controlled Special Profiles
- Dynamic Balancing
- Dynamic Leak Testing
- Grooving or Regrooving of Rolls
- Honing
- Hot Grinding
- Journal Repair/Replacement
- Lathe/Machining
- Matte Blasting
- Metal Spraying
- New Carbide Coatings
- New Ceramic Coatings
- New Chilled Iron Rolls & Shells
- Nickel Electroplating
- Reshelling
- Roll Fabrication
- Roll Repair
- Suction Roll Rebuilding
- Superfinishing & Mirror Polishing
- Turning
- Variable Crown Roll Rebuilding
- Welding

## PHYSICAL CAPABILITIES

### Grinding Capacity

Diameter	2" to 144"	50 mm to 3,660 mm
Length	up to 600"	up to 15,240 mm
Weight	up to 240,000 lbs.	up to 109,091 kg

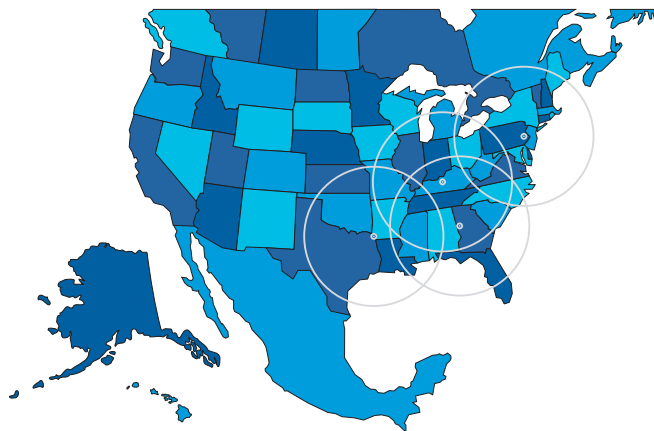
### CNC Lathe Capacity

Diameter	66" over carriage 78.7" over ways	1,680 mm over carriage 2,000 mm over ways
Length	up to 840"	up to 21,336 mm
Weight	up to 200,000 lbs.	up to 90,910 kg

### Tolerances:

Total indicated runout of face with respect to journals  $\pm 20$  millionths of an inch.  
Surface finishes as fine as 1/4 micro inch Ra.

Multiple locations ...  
to serve you better!



No one else even comes close™

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Distributor for:

**WALZEN**  
**IRLE**

[www.precisionrollgrinders.com](http://www.precisionrollgrinders.com)