



Delivering “Well-Rounded” Solutions

PRG is your partner in productivity

The Company

UPM Blandin in Grand Rapids, Minnesota, specializes in the production of light weight coated magazine grade paper. Blandin serves the paper industry, including *Time* magazine and other publishing companies.

The Problem

In 1989, Blandin started up their #6 paper machine line with two modern super calenders. Over time, barring created a wear pattern, leaving an impression on the finished sheets. At one point, the mill had to change chilled iron rolls every six weeks. The resulting downtime greatly affected productivity.

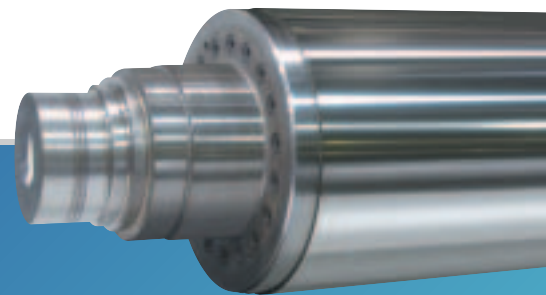
PRG's Solutions

In 2001, Precision Roll Grinders added a tungsten carbide coating to Blandin's chilled iron rolls. As a result, a coated roll now lasts for nearly three years. Additionally, the coated rolls offer increased run-ability due to higher speeds and a better quality product. Today, the #6 line uses PRG's Roll ArmorSM to coat all of its chilled iron super calender rolls.



“PRG's Roll ArmorSM made a huge impact on our run-ability. We've seen a 1 1/2% increase in throughput. That's a very substantial figure especially considering our level of volume!”

Dave Beadell
Production Specialist for Super Calenders and Winders
UPM KYMMENE BLANDIN



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

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

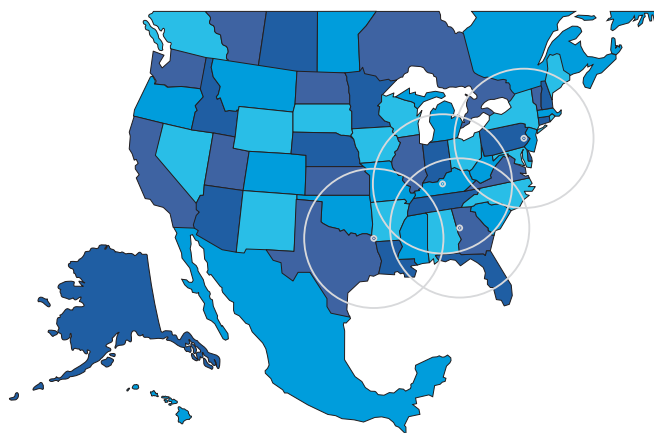
CNC Lathe Capacity

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 ± 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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