



## Delivering “Well-Rounded” Solutions

PRG is your partner in productivity

### The Company

TEN CATE, located in Georgia, manufactures various grades of polypropylene nonwoven fabric used for erosion control, earth stabilization and transportation construction.

### The Problem

The plant recently purchased two spun cast nylon rolls with parabolic crowns. The maintenance manager installed the rolls and ran them for 10 days "to run them in" — but was unsuccessful.

Furthermore, the rolls had a crown, but it was not the correct parabolic crown. The nip impressions showed the rolls touching in the center and at the ends. Additionally, one of the roll's bearing seats was delivered to the plant with a tag that read "Bad Journal."

### PRG's Solutions

After numerous meetings, the mill sent the two nylon rolls to PRG's Carrollton location for an expedited turn around. PRG ground the rolls with the correct parabolic crown and returned them to the plant. Upon installation, the nip impressions were dead on and production began immediately.



“We are very appreciative of PRG's professionalism and quick turnaround — and we know that PRG will do the job right the first time!”

Roger Robinson  
Maintenance Manager  
TEN CATE



**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

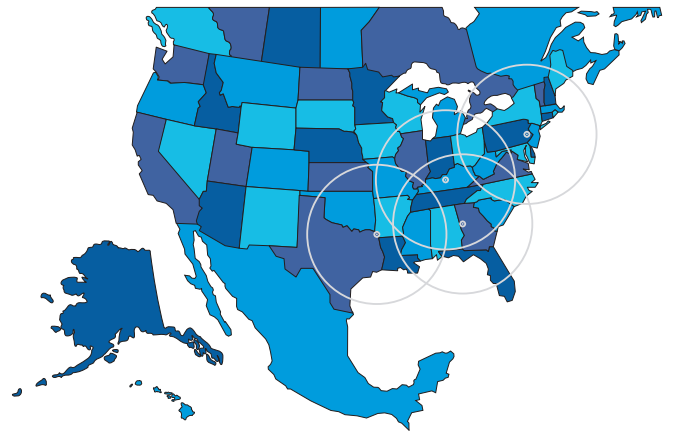
### CNC Lathe Capacity

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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