



Precision Rollers You Can Rely On™



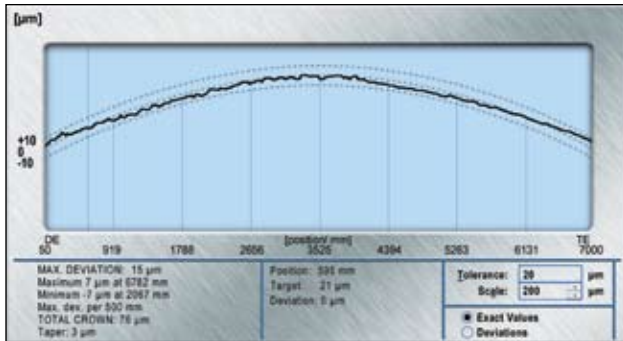
***Manufacturing
and Reconditioning
Rollers for
Converters,
Manufacturers and
Commercial Printers.***

"Figuring out what you need & delivering it when you need it."

www.imperialrubber.com

Advanced Quality Systems

Meeting Critical Tolerances



- Continuously developing new tools and methods
- Ensuring your specifications are met roll-to-roll



- Each batch of rubber checked to ensure consistency, such as with this rheometer
- The roll you order today is going to perform the same as the roll you order next year



- Use industry "best practices"
- Focus on continuous improvement



No Tribal Knowledge!



- "Tribal knowledge" eliminated by documents, systems, and Standard Operating Procedures
- Entire company (from Order Entry to Production Scheduling to Shipping) uses the same ERP (Enterprise Resource Planning) computer system
- Detailed requirements for each customer and each roll are documented using precise SOPs (Standard Operating Procedures), to ensure we give you consistency roll-to-roll
- That which can't be documented is the craft of roll-making – which is taught to employees via a thorough training and cross-training program



"Modern equipment increases our ability to meet your needs."

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Specialized Technology

Vacuum Static Cast™ Polyurethane System

Formulation Accuracy



- Microprocessor controlled dispensing system provides uniform and repeatable formulas within 0.01 gram



- Polyurethane covering for steel & aluminum coil coating

Class 100,000 Filtered Air



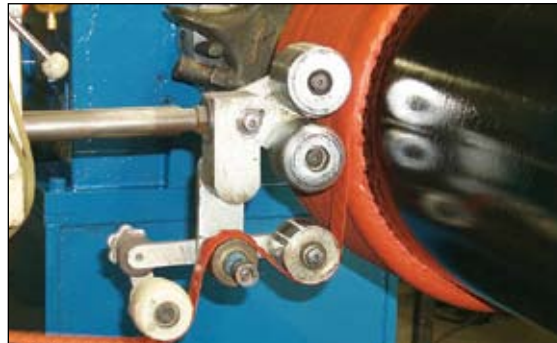
- Polyurethane rolls processed in separate room using positive pressure from Class 100,000 filtered air to reduce or eliminate particulates in the urethane

Extruding Roll Builders



- Extrusion is the latest technology in roll building
- Virtually eliminates air cells and ply separations

High Compression Extrusion



- Ultra-fine screens filter out impurities & contaminants
- 3 extruders on premises, 1 exclusively for silicone

CAD Systems



- Create and exchange CAD files with customers

“Investing in technology to give you rolls that work better, last longer.”

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Range of Grinding Capabilities

CNC Grinding & Grooving



Computer Controlled Grooving



- CNC grooving with repeatable precision (Computer Numerical Control)
- Computer controlled system produces virtually any groove necessary
- CNC O.D. grinding and crowning (parabolic, cosine, barrel, tapered or empirical)

IMPERIAL
RUBBER PRODUCTS INC.

Industrial Grinders



- Lengths up to 300 inches
- O.D. (Outside Diameter) up to 60 inches

Large Profile Grinders



Conventional Grinders



Precision Cylindrical Grinders



- Precision grinding of steel, hard chrome, carbides and rubber

"Range of equipment gives flexibility across a wide array of materials."

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Flexible Production Resources

Full Service Machine Shop CNC Production Lathe



- High speed machines increase output
- Producing parts (e.g. journals, roller bodies) with consistent dimensions

Tight Tolerances



- Concentricity (run out), T.I.R.
- Profile deviation
- Crown shape
- Surface finishes

Dry Heat and Live Steam Autoclaves



- Honeywell controllers govern all facets of the cure (e.g. temperature, ramp and time)
- Hi-Pressure dry autoclave (72" diameter x 384" length)
- Live steam autoclave (48" diameter x 192" length)

Production Floor



- Clean, organized shop with efficient workflow based on lean manufacturing practices
- Modern equipment, with many machines custom engineered to our specifications
- Redundant equipment (assures you that we can keep running, even if production expands or equipment needs maintenance)

"Able to handle high volumes and quick turns."

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Wide Geographical Coverage

Fleet of Trucks

- A fleet of local and long-haul trucks serving California and the Pacific Northwest



"Sales Drivers"

- Pick up and deliver at your locations
- Provide in-person customer support
- Assist in managing and evaluating inventory
- At your facility whenever needed
- Communicate updates to sales and office team

Headquarters



- Headquarters in southern California
- Chino, California, USA
- 35 miles west of Los Angeles
- Manufacturing, shipping, customer service, executive management

Spanning the West Coast Facilities Near Customers



- Headquarters in southern California
- Depot with local support in Sacramento, California
- Sales and support office in Phoenix, Arizona
- Imperial Rubber Northwest, currently a sales and support office in Portland, Oregon, from which we plan to expand our operations in the Pacific Northwest

International Partners



- Allows us to serve broader areas
- Creates exchange of new products and new technologies
- Allows us to tap into even more ideas, experienced people and innovative technology to help solve your technical issues



"Serving customers with West Coast and National footprints."

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Broad Range of Products

Industrial, Commercial, & Select Graphic Arts Applications

Types of Materials (examples)

Carbide	Ceramic	Chrome	Copper	Metal	Nylon	Polyurethane	Rilsan™	Rubber	Silicone	Teflon™
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Types of Rolls (examples)

Adhesive spreader rolls
Anti-static rolls
Bridle & turn rolls
Coater applicator rolls
Couch rolls
Dancer rolls
Doctor rolls
Embossing rolls
ESA rolls
Feed & pull rolls
Felt rolls
Flat line finishing rolls
Flexo metering and wiper rolls
Glue spreader rolls
Gravure impression rolls
Hot melt glue application rolls
Impression rolls
Idler rolls
Ink and water form rollers
Laminating rolls
Mill rolls
Nip rolls
OEM rolls
Pinch & table rolls
Print rolls
Rotary cylindrical brush rolls
Sander rolls
Split nips and scores
Squeegee and wringer rolls
Swing gate rolls
Table rolls
Web cleaning rollers
Wide belt sander rolls
Wiper rolls
Wire return rolls
Rexnord Link-Belt® bearings
Various other bearings



- Superfinished hard chrome roll (finishes available to less than 1 micro-inch Ra)



- Composite Rollers (shown: Carbon Graphite Fiber and Glass Reinforced Epoxy)



- FKM Rollers with Viledon™ Nonwoven Coatings



- One-Way Web press rollers



- Paper mill couch roll being check for hardness with a P&J plastometer



- Web and sheet-fed press rollers

Engineered Solutions

- Engineering staff examines the specific mechanics and chemistry of your application
- Combine our expertise with engineering resources from partners around the world
 - Expertise in material design, formulation and testing
 - Expertise in delivering rolls optimized for your processes

Services

- Complete roll manufacturing
- Core, shaft and journal repairs
- Regrinding
- Roll covering
- Dynamic balancing
- Chemical compatibility testing
- Physical testing of materials

“Custom Blends...Any Hardness...Any Color”

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“Creating novel solutions to your specific problems.”