



# Primary Products & Services

*The Only Industrial Roller Source You'll Ever Need*

Menges Roller Company is dedicated to designing, manufacturing and servicing all types of industrial rollers.

We are respected for our chill roll technology, having won the 2014 AIMCAL Technology of the Year for our use of CFD Models to Design Heat Transfer Rolls. But we also have a sophisticated in-house rubber department, specializing in high-performance silicones & elastomers.

And with a capacity extending to 10 meters (33 feet), our capabilities are beyond the reach of most competitors.

Additionally, Menges Roller offers the most comprehensive array of value-added services in the industry: grooving & serrating, crowning, high-speed balancing, chrome finishing, and complete repair services.

Proud AIMCAL Members and active in the converting community, we encourage you to let us take a look at your processing challenges. Menges serves OEMs and end-users throughout the plastic, paper, foil, nonwovens, metals and flexible electronics sectors.

We can help you run faster, waste less and produce better products.



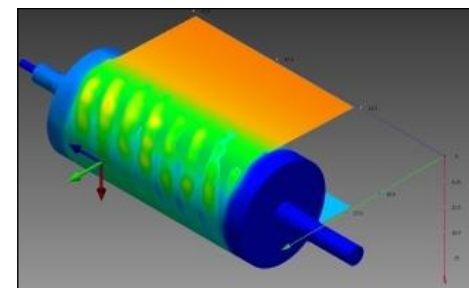
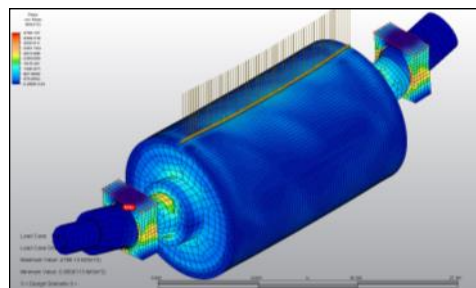
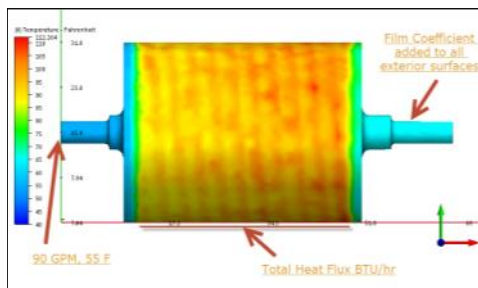
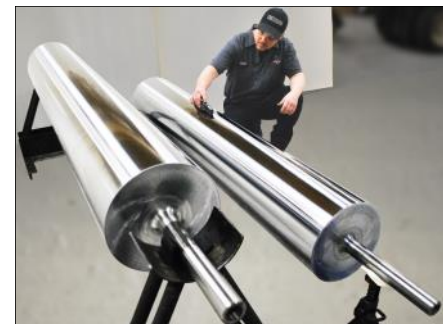
Matt Menges with Technology of the Year trophy from AIMCAL



## Heat Transfer Rollers / Chill Rolls

Menges Roller is respected for manufacturing some of the highest-performing double-shelled rollers on the market today.

- Double-Shell, Spiral-Baffle Designs
- Finishes in Chrome, Nickel, Plasma & More
- Custom-Fabricated to Your Unique Needs
- Designed with Advanced Thermal Modeling and Strength Analysis Technology



## Advanced Engineering Technology

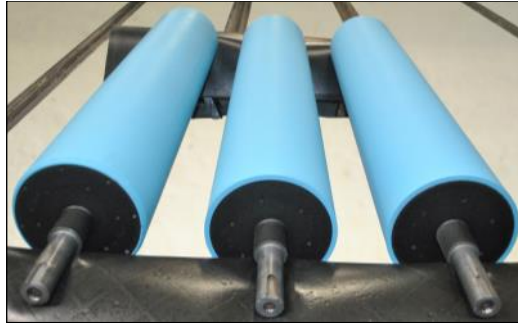
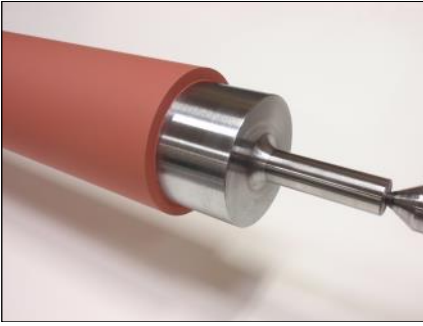
Menges Engineers employ industry-leading technology to design heat transfer rollers that perform to your exact specifications. Our heat transfer rollers are guaranteed to meet your specified target temperature and temperature variance range. Menges Roller won the 2014 AIMCAL Technology of the Year for our use of CFD Models to design heat transfer rollers.

- Computational Fluid Dynamics
  - Temperature & thermal process modeling application
  - Will 'in-take' all your process information, linespeed data, and equipment variables - including roller specifications - to then calculate accurate simulations and show the exact temperature the roller will achieve, its effect on web, plus temperature variance data measured via hundreds of data nodes across the rollface & web surface.
- Finite Element Analysis
  - Modeling system measuring roller stress & load-bearing capacity
  - Using this solid stress analysis application, Menges Engineers ensure rollers are designed to hold-up to all stresses they may encounter, in terms of peak load as well as perpetual stresses over a long lifespan.

## Covered Rollers - Rubber, Silicone & Specialty Rollcovers

Menges Roller has a large in-house rubber department, which develops, tests and applies all types of rollcover compounds. And we've develop specialty compounds - including Tiger Max and Super Tough Coat - to meet niche process requirements.

Menges also offers a full menu of value-added services, from grooving and serrating to crowning and balancing. All rollcover services are available for new rollers as well as recover projects. Be sure to see a Menges Engineer for more information.



### Value-Added Services for Rubber Rollers

All finishing work is computer assisted for maximum accuracy

- Grooving (diamond, chevron, herringbone & more)
- Serration & Segmenting (including web spreaders)
- Crowning (parabolic & reverse-parabolic profiles)
- Balancing (to eliminate vibration & loping)
- Kiss Grinding (removal of worn outer layer)
- Journal Fabrication, Repair & Replacement
- We offer quick turnaround times on all recover projects

### Any Rollcover Compound

Many are stocked in-house for immediate use

- High-Release & Heat Resistant Silicones
- Silicone Blends formulated for Corona Treaters
- Hypalon & Hypalon Hybrid Blends
- Nitrile & Carboxylated Nitrile
- Urethanes, including Menges Tiger Max
- EPDM, Neoprene, Teflon & Viton
- Custom compounds may also be formulated

## Wide Web? No Problem

We take pride in our ability to handle any roller - so we've equipped our plant to handle rollers up to 10 meters long, 32.8 feet! Few roller companies have this capacity, and we do it without sacrificing quality or accuracy.

With our CNC (computer controlled) machines, super-sized rollers maintain the tightest of tolerances (accurate to .001").

And our complete range of services is available for larger rolls.



◀ New chrome-plated roll for nonwoven plant.

Recover with silicone on large corona treater roll. ▶



## Let's Get Rolling

Menges Roller works with OEMs and end-users alike, offering custom solutions to meet unique needs.

Our technicians work closely with plant managers and converting engineers to analyze each project.

With exceptional industry knowledge, Menges delivers practical, cost-effective solutions.

And for those routine maintenance & re-cover projects, we offer quick turnarounds.

To contact a Menges Sales Engineer, simply give us a call or email us.

We'll help you run faster, waste less and produce a better product.

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