



EPIC RING SERVICE

FOR LUBRICATED RINGS



- Certified Cleaning and Rebuilding of Lubricated Sintered Metal and Solid Steel Ring Assemblies (Merriman, Herr, Eadie, Borgose-
sia, Etc.) to New Ring Standards.
- Refacing and Repair
- Sale of New & Reconditioned Rings, Holders, & Ring Assemblies
- Aids & Supplies (Windows, Felts, Buttons, Etc.)

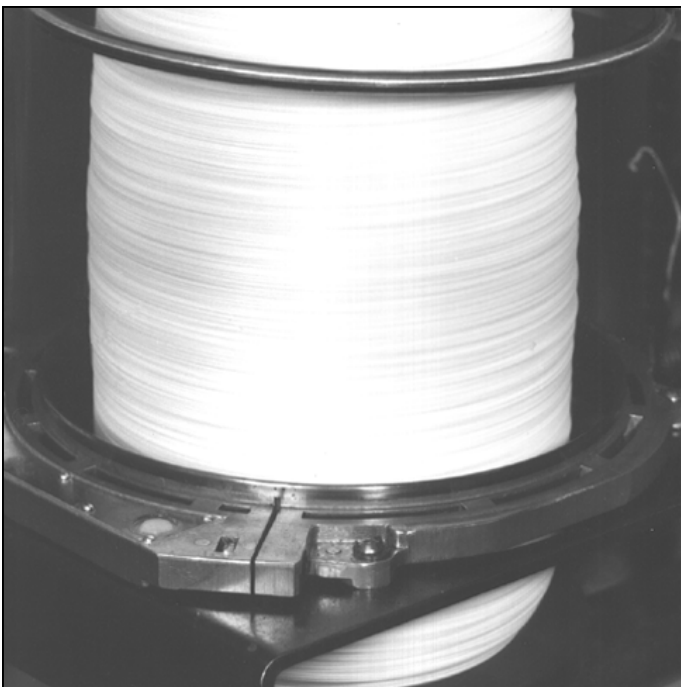
Why do I need to keep rings clean?

Dirt, debris and oxidized oil build up can cause plugging or block-
age in any kind of porous ring or a ring with internal passageways.

Ring cleaning and rebuilding brings rings to **like-new** condition
and reduces the future need to purchase new rings.

How often do I need to have rings cleaned?

Ring manufacturers recommend cleaning and refurbishing
(including rewicking) be done at least every **2-3 years** if rings are
run with a petroleum ring oil, or every **4-5 years** if run with a pure
synthetic ring oil. High density sintered rings should be recondi-
tioned more frequently.



Plugged rings can:	Cleaning and rebuilding can:
Cause tension variation resulting in ends-down, chafed yarn, scrap yarn and non-uniform packages; also damage to the yarn bundle.	Reduce broken ends by 50%.
Waste electricity.	Save typically 15% on electricity.
Produce high ring temperatures and an added load on plant air conditioning.	Mean cooler operating and plant temperatures.
Cause oil leakage, waste, and mess.	Conserve oil and time spent cleaning from leaks.
Leave black stains or smudges on yarn.	Improve yarn quality.
Reduce traveler life by 50-67%.	Extend traveler life.
Reduce productivity in lbs./hr. or kg/hr.	Increase productivity.
Cause severe or permanent	Increase useful ring life.

What is Certified Ring Cleaning?

Not all rings clean easily or in the same way. Rings must be tested with a Porosimeter in order to certify to the standards of a new ring. If rings do not meet the standard of a new ring, they are re-cleaned until they can be certified to new ring standards.

Rings are also inspected visually and with instruments to detect such faults as cracks, chattermarks, scalloping, surface finish and pore smearing. This is done so corrective action can be taken if required.



When do I need to have a ring refaced?

Lubricated rings run with steel travelers will eventually show chattermarking and scalloping of the ring. Normally this damage will become visually evident in 4-5 years. At the same time, there is usually a loss in productivity because of tension spikes caused by an unsteady traveler. If this damage is detected early, Epic can reface the ring at minimal cost. In some cases that ring can be refaced 5-6 times extending life to perhaps 25 years. Surface damage is progressive. If rings are allowed to run too long with chattermarks, the ring might only be refaced 1-2 times before replacement is required.

If **sintered** rings running nylon travelers are not regularly cleaned and rebuilt, the loss of lubrication combined with particulate matter caught between ring and traveler will result in surface damage. This damage can be severe scratching, chattermarking, bottom radius scalloping, or pore smearing. If damage is not excessive, Epic can reface the ring to return it to like-new condition.



How can a ring maintenance program save money?



A **Ring Care Program** is a ring maintenance program for keeping rings at peak production efficiency at minimum cost. Our experience shows that rings regularly serviced are much easier to clean and rings that run on pure synthetic ring oil are even easier to clean.

Different ring types with different yarns vary in their need for reconditioning. For instance, rings on glass and draw-twisted yarns require more frequent service than rings on heavier denier yarns such as carpet yarn and tire cord. Generally, the more sensitive yarn rings require reconditioning every two years while the heavier yarn rings require rebuilding every 40 months.

For additional information (Ring Tips 1-13) or a complimentary lab evaluation on your rings, please contact us at epic@epicenterprises.com.



P O Box 979
Southern Pines NC 28388-0979
845 Valley View Road
Southern Pines NC 28387

Phone: 910-692-5441 or
Toll Free: 800-648-7273
Fax: 910-692-4147 or
Toll Free: 888-692-4147
Email: epic@epicenterprises.com
Website: www.epicenterprises.com

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