

Frequently Asked Questions:

Do I have to change anything to use PSI Hard Coat in my coating machine?

PSI Hard Coat is applicable in existing lens coating machines. It is miscible and co-curable with most UV hard coatings. You are not required to replace the filters or flush the system. Just add in PSI Hard Coat with the existing coating and run the coating machine for several minutes to ensure it is well blended. The process can work in reverse where the previous coatings can be added back in with the PSI Hard Coat.

Why do I get streaks on the lens after mixing PSI Hard Coat with my existing coating?

Coatings in a coater have thickened over time. Running the machine will help incorporate the new coating. A streaky appearance on the lens indicates that the PSI Hard Coat and the existing coating have not been well mixed yet. Keep running the machine until no streaks occur on the lens.

Why do I get milky film after mixing PSI Hard Coating with the existing coating?

A milky film indicates the parameter difference between the two coatings. Make sure the mixture of coatings has more than 50% of PSI Hard Coat in relation to the existing coating in the machine.



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PSI Hard Coat

Part # 9000

Instructions and
Frequently Asked Questions
Revised 08/01/11



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INSTRUCTIONS & FREQUENTLY ASKED QUESTIONS

Operating Specifications:

Coating Spin Speed	20 seconds, 500 RPM
Off Spin Speed	10 seconds, 1000 - 1500 RPM
Coating Temperature	67 - 77° F
Curing Temperature	approx. 120°F
Curing Cycle	20-25 seconds
Coating Height	6-12 micron dry film thickness

For All Machine Types:

When adding PSI Hard Coat into a coater that is running an existing coating, run the machine for 5-10 minutes to achieve a blend. If you get streaks, it has not been blended well. Keep running the machine until no streaks appear on the lenses.

Special Instructions:

Gerber Coburn Solvent-Free Coater:

To keep the machine continually running, you must keep the coating bowl full so the coating level does not trigger the machine to shut down. Add PSI Hard Coat directly into the bowl to maintain operating coating levels.

LTI Solvent-Free Coatings:

If using the LTI solvent-free coating, you must create a mix of over 50% PSI Hard Coat and what is left of the existing coating.

For UOC Mini II Coating System:

PSI Hard Coat can not be mixed with NV-NP coatings. Prior to using you must first flush the system per the directions below. Along with your preventative maintenance schedule, an occasional "flushing" of your coating reservoir and pump may be needed should your coating become contaminated.

Flushing instructions:

Unscrew the fitting on the top of your coating filter. Place the loose tube into a clean bottle and turn on your coating pump. This will allow the coating from the reservoir to empty out into the clean bottle. (When empty, turn coating pump off).

Unscrew the bottom fitting and place filter above your clean bottle and release the bleed valve. This will allow the coating to drain out of the filter. Discard filter and use Teflon tape on your new filter where the fittings will be screwed into. Pour alcohol into the coating bowl, like you would the coating. Once again, have the top fitting from the coating filter into a waste container, turn on your pump and allow the alcohol to flush out until empty. Repeat flushing one more time to ensure any and all contaminants have been removed. Allow time for the reservoir to dry (overnight or preferably over the weekend). Attach your new coating filter and ensure your fittings are tight.

Pour new coating minimum of 1-1/2 units (or if old coating is not contaminated) back into the system and run coating prime for approx. 7 minutes to re-prime and to make sure no air and debris are trapped in the coating filter.