

Wet Mount Process to Scan Black and White Negatives

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Abstract:

Because they use metallic silver for the image record, black and white negatives present interesting challenges in the control of dust and scratches during scanning. Unlike color negative film which uses dyes that are invisible to infrared light, black and white negatives use metallic silver and therefore cannot be pre-scanned with infrared light for dust and scratch removal. We will present a paper on an innovative method for scanning black and white negatives with a unique film gate that uses alternatives to the IR pre-scan algorithms commonly used with color negatives and reversal films.

Author Biographies

Naren built ScanCafe.com from the ground up - the world's largest photo digitization service. With over a decade's worth of silicon valley experience in high-tech, Naren has built consumer solutions for archiving analog memories and also creating engaging products with digital images that involve zero effort from the user. Prior to ScanCafe, Naren was VP of Product Development at Moser-Baer (worlds' largest DVD & Blu ray manufacturer), where he set up a thin-film solar panel

manufacturing facility. Prior to that he built Applied Materials' global development centers in India, China and Russia.

Naren holds an MBA from the Wharton School of Business, UPenn, and a Ph.D. in Chemical Engineering from the University of Minnesota, Minneapolis, where he completed his doctoral dissertation in confocal laser scanning microscopy and development of bio-materials for tissue regeneration. He has been awarded patents in the areas of remote plasma generation, magnetic shielding of plasmas reactors and Web UI design.

Laurent is a serial entrepreneur with over 12 years of experience developing software and automation technology. He has built global engineering teams spanning India, the USA and Europe, and developed technology partnerships with IBM, HP, and AT&T.

Laurent founded CD World to develop the first kiosk-based electronic music distribution infrastructure, authored the first pan-European digital rights management applications, and was a key contributor to IBM's Tiger Shark supercomputer streaming platform. Before founding ScanCafe, he applied his expertise to proteomics at Syrrx, later acquired by Takeda Pharmaceuticals.

Laurent has a Masters in Software Engineering from the Swiss Federal Institute of Technology and holds an MBA from the Wharton School of Business.