

## CASE HISTORY: TEST BEFORE YOU INVEST



***fineLine directLaser!*** digital image setter and ***fineLine screenDevelop!*** equipment

DuraTech Industries - headquartered in La Crosse, WI - a premier supplier of superior quality overlays and panels, IoT, membrane switches, touch screens, nameplates, white goods, labels, etc., operates 3 production facilities in the USA and Asia.

The March 2017 opening of the unique technology test facility (presented by the partnership of dlp imaging corp. (dlpic) and Schilling Graphics in Galion, OH), provided DuraTech the long-awaited opportunity to test and compare DMD-based direct screen imaging technology with the revolutionary new ***fineLine directLaser!*** system powered by Lüscher Technologies of Switzerland.

A 3 person DuraTech delegation brought their own screens, stretched with their polyester and stainless steel mesh, coated with their Diazo based emulsions and with a stencil thickness of up to 14 µm. The ***fineLine directLaser!*** machine, model 340L with 128 fiber-coupled laser diodes (2016 SGIA Product of the Year) imaged DuraTech's test image at 2540 and 5080 dpi resolution. Maximum screen size for this image setter is 59" x 57" with the possibility to image multiple smaller screens simultaneously.

"Within the first hour at this impressive technology test facility in Ohio, we were producing screens every 5 ½ minutes with a top quality that neither our 2540 dpi generated film nor any other CtS systems were able to duplicate" attested Dan Chandler who will replace Doug LaFleur, V.P. Operations at the end of this year.

Doug LaFleur explains: "I am retiring at the end of 2017. Our Building expansion of 47,000 sq. ft. is my number one project during the last couple of months and for the rest of the year until completion. We are very pleased to have accepted the invitation to visit dlpic's test facility in Ohio. "Test before you Invest" did indeed open our eyes and this screen image setter together with the automatic ***fineLine screenDevelop!*** equipment is a very important capital investment that will immediately increase our overall product quality immensely and sustain our leadership position in our market for the foreseeable future."

Jeff Steidl, process engineer and Lee Schindler, screen making supervisor agreed that manual loading and off-loading screens of this flatbed direct screen imaging system is faster as well as more versatile and productive than inline machine concepts. These two staff members continued to express their surprise when witnessing the effortless reproduction of finest details by this new imaging machine, a quality that they had not been able to attain in the past. (One point type and 20 – 30 µm fine lines and spaces can be produced with DuraTech's present mesh, stencil material and EOM.)

"Saving ourselves from abandoning our present and well documented screen making procedure and not being unnecessarily forced to change using much more expensive photopolymer SBQ type emulsions with their limiting production latitude was extremely important in our purchase decision" reasoned Doug LaFleur. He continued: "The opportunity to document our important screen making technique to the very single millijoule of imaging power and the unique flexibility to offer our clientele finished product quality at separate pricing levels are other outstanding benefits of this equipment acquisition. In addition, the industry-leading warranty and affordable annual insurance coverage offered to us eliminate our time-consuming attention to equipment proficiency and production yield for the life of the equipment. We can now concentrate on what we're doing best . . . producing consistently high quality screen printed graphic and functional products for our demanding industrial and technical customer base."

In order to support its new imaging technology, DuraTech also purchased dlpic's new automated screen developing machine - the only one that offers electronically controlled water pressure adjustment from 15 to 500 PSI, which can be individually set for each developing pass within the 20 separate operating menus.

Both Doug LaFleur and Dan Chandler can be contacted to discuss their due diligence and their decision to purchase both, the ***fineLine directLaser!*** and ***fineLine screenDevelop!*** systems.

### Contacts:

DuraTech Industries: Doug LaFleur: 608 779-3297 Dan Chandler: 608 790-7196  
dlp imaging corp. (dlpic): Peter Max Weber 516 380-0515

dlp imaging corp.  
33 Comac Loop, 1A2  
Ronkonkoma, NY11779  
631 588-2898 main  
516 380-0515 sales  
info@dlpimaging.com  
digitalscreenprinting.com