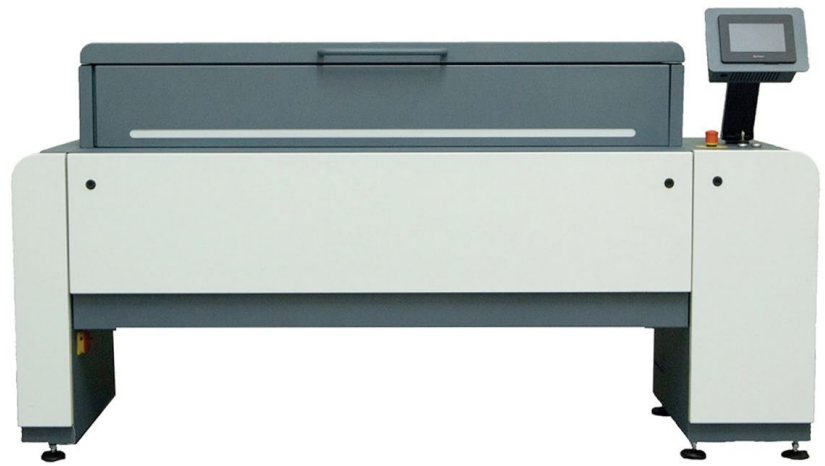


THE EXPERTS IN INK TRANSFER TECHNOLOGIES



LASER CLEANING EQUIPMENT
FOR ANILOX ROLLERS AND SLEEVES.



Daetwyler

25 YEARS OF LASER CLEANING EXPERIENCE



Since 2003, LaserClean has been the global supplier professional print companies turn to for innovative, high-performance cleaning solutions for ceramic/anilox rollers and sleeves. LaserClean's history in laser cleaning dates back to 1994 - making them one of the most experienced developers of laser cleaning products customized to meet the needs of a competitive industry.



Through our 25 years of experience we are comfortable with all circumstances and demands facing the industry.

We successfully deploy the knowledge and insights we gain in the field to design and manufacture the best, fastest, lightest, and most user friendly solutions.

Our equipment portfolio encompasses mobile cleaning machines for in-press cleaning and a complete range of cleaning machines for Narrow Web, Mid Web and Wide Web rollers and sleeves.

ADVANTAGES:

- Maintains consistent highest-possible levels of print quality
- Removes all types of residues and dirt
- Effectively restores cell volume and surface tension
- No water, chemicals, granulates, or abrasives
- Easy to use: fully automated and maintenance light
- Environmentally friendly - no solvents, waste drums, run-off, or other byproducts.

NARROW WEB LASER CLEANING SYSTEM



ALCS 1000 S / SF

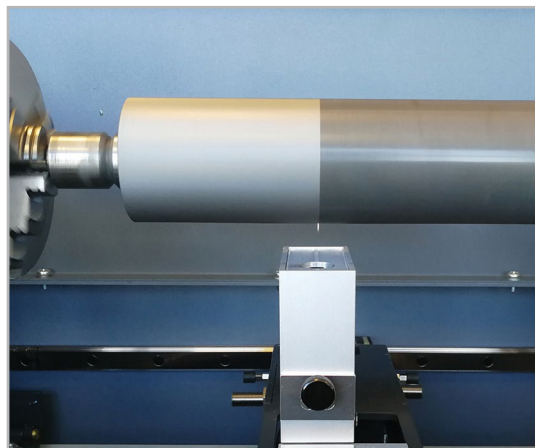
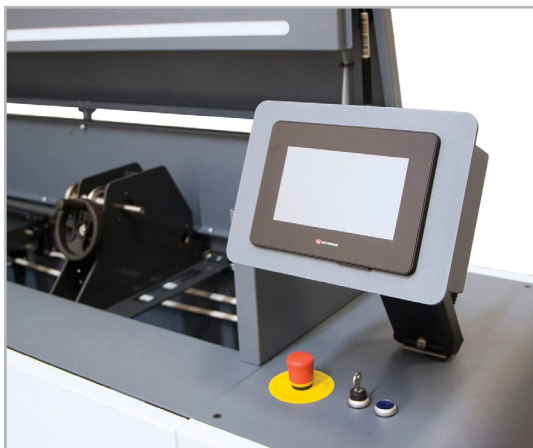
Excellent cleaning solution for label printers

LaserClean develops and manufactures state-of-the-art machines for laser cleaning of Anilox rollers. The ALCS 1000 S / SF is an off-press laser cleaning machine for sleeves and smaller rollers used in label printing. This innovative machine is suitable for rollers up to 1000 mm and 25 kg, and is specifically designed for frequent (e.g. daily) cleaning.

It takes just 7 minutes to deep clean a roller of 500 mm, and the clean roller can be used for printing at once. The user friendliness of an ALCS 1000 S / SF is exceptional as the machine is easy to (un)load, fully automated and possesses the most stringent safety features.

ALCS 1000 S / SF — Narrow Web Laser Cleaning System

Maximum length of the roller	1.000 mm
Minimum diameter of the roller	50 mm
Maximum diameter of the roller	200 mm
Maximum weight of the roller	25 kg
Machine dimensions (L x W x H)	2.240 x 770 x 1.200 mm
Weight	350 kg
Laser power S / SF	20 w / 40 w



MID WEB LASER CLEANING SYSTEM



**“MAINTAINING
THE HIGHEST
PRINTING QUALITY
WAS NEVER
EASIER”**

ALCS 1700 / 2100 S / SF

The No. 1 laser cleaning machine for sleeve printers

The Mid Web laser cleaning system offers sleeve printers a perfect in-house cleaning solution. This off-press machine is designed to produce the highest printing quality because it makes frequent deep cleaning (daily if needed) simple and convenient, even for high line count Aniloxes. Sleeves up to 2100 mm and 50 kg can be cleaned in this machine.

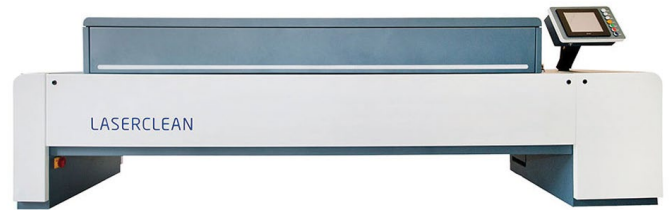
A sleeve of 1300 mm takes just 30 minutes to clean, and can be redeployed right away.

The machine is easy to (un)load, fully automated and possesses the most stringent safety features. Just like other ALCS machines, this machine is maintenance light and doesn't consume any water, chemicals or granulates.

ALCS 1700 / 2100 S / SF - Mid Web Laser Cleaning System

	1700 S / SF	2100 S / SF
Maximum length of the roller	1.700 mm	2.100 mm
Minimum diameter of the roller	100 mm	100 mm
Maximum diameter of the roller	220 MM	220 MM
Maximum weight of the roller	50 kg	50 kg
Machine dimensions (L x W x H)	2.650 x 770 x 1.200 mm	3.050 x 770 x 1.200 mm
Weight	400 kg	445 kg
Laser power S / SF	20 W / 40 W	20 W / 40 W

WIDE WEB LASER CLEANING SYSTEM



ALCS 2500 S / SF Mastering the heaviest rollers

Where the competition focusses on smaller rollers and sleeves, LaserClean proudly services the entire printing industry. The ALCS 2500 S / SF is the Rolls Royce of laser cleaning machines. Besides many convenience and safety options that distinguish ALCS off-press machines, this machine handles rollers up to 2500 mm and 800 kg.

With plenty of laser power, the cleaning speed is 2500 mm per hour, even for the largest diameters. Difficult contaminants such as glue are no problem for this giant, oftentimes rendering refurbishing of aniloxes unnecessary.

The ALCS 2500 S / SF can be customized for rollers up to 4000 mm.

ALCS 2500 S / SF - Wide Web Laser Cleaning System

Maximum length of the roller	2.500 mm
Minimum diameter of the roller	100 mm
Maximum diameter of the roller	300 mm
Maximum weight of the roller	800 kg
Machine dimensions (L x W x H)	3.945 x 810 x 1.237 mm
Weight	850 kg
Laser power S / SF	70 W / 140 W



UNMATCHED PRINTING QUALITY AND SUSTAINABILITY

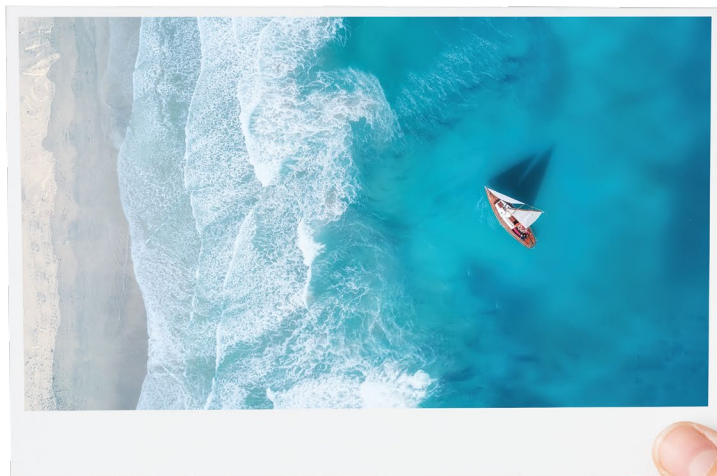


All ALCS machines have the same cleaning process: the roller is being driven and turns, while the laser gun is moved from left to right, parallel to the dirty roller. The energy of the laser beam is absorbed by the pollution, which consists of pigments and polymers, and then disintegrates.

The laser beam is powerful enough to remove the ink but doesn't possess the power to damage the ceramic surface of the roller. After laser cleaning cell volume and surface tension are fully restored and the roller can be immediately used for printing. Laser cleaning is the most controlled and efficient way to clean Anilox surfaces, resulting in the highest constant printing quality.

Laser cleaning is based on indirect contact; the roller isn't touched other than by the laser beam. No granulates, chemicals or water are needed. Smart machine design ensures suction of all disintegrated particles into a filter unit.

ALCS laser cleaning machines offer the most sustainable and environmental friendly cleaning method for Anilox rollers. Tenance light and doesn't consume any water, chemicals or granulates.



SUPER CLEANING YIELDS OPTIMAL PRINT QUALITY

**“LASERCLEAN
WORKS FAST AND
EFFICIENT, REDUCING
DOWNTIME”**



A NEED FOR PERIODIC DEEP CLEANING

Periodic Deep Cleaning

Even with daily chemical cleaning, the cells of anilox rollers can become saturated with ink and polymer residue. LaserClean equipment allows for rapid, deep cleaning without chemical run-off or volatile organic compounds (VOCs) - and can usually be performed on-site and even in-line.



Before laser cleaning



After laser cleaning

LASER CLEANING TOPS ALL OTHER CLEANING METHODS

Proven to Outperform Other Cleaning Methods

Laser cleaning is the only cleaning method that can fully recuperate and restore surface tension and cell volume to like-new levels — even when dealing with heavy coatings, glues, polymers, UV inks, two-part varnishes and other troublesome residues.

It's also the only method that doesn't require water, chemicals, abrasives, or other waste products that cost you more money for safe handling and disposal.

What used to require professional out-of-house, expensive third-party roller restoration can now be accomplished at a fraction of the cost and time.





Daetwyler

Douglas Cole
Sales Manager Cleaning Equipment

13420 Reese Blvd. West
Huntersville, NC 28078

Phone: (704) 948-1261

Cell: (704) 408-4129

Fax: (704) 875-0781

E-Mail: dcole@daetwyler.com

www.DaetwylerCleaningTechnologies.com



LaserClean
For high quality printing