



Cleaning solutions for the painting & printing industry

Industry Guide by Bio-Circle Surface Technology GmbH



INTRODUCTI

Coating industry

CONTAMINATION AND RESIDUES DURING PREPARATION AND THE COATING PROCESS OFTEN LEAD TO PROBLEMS – AND IMPACT THE QUALITY OF THE FINAL RESULT.

THE 6 MOST COMMON PROBLEMS



Inadequate cleaning of the surface

Before painting, the surface must be thoroughly cleaned of dirt, dust, oil, and rust. Poor cleaning prevents the paint from adhering properly and leads to peeling or uneven coverage.

1

Dust particles in the paint

Dust or dirt during painting can cause irregularities or bubbles. Even after painting, dust particles can affect the appearance and durability of the finish.

2

Grease or oil residues

Particularly when working on metal surfaces, grease or oil residues that have not been completely removed can impair the paint's adhesion. This can result in unsightly paint defects or flaking.

3

Use of incorrect cleaning agents

Use only cleaning agents suitable for the painting process! Unsuitable cleaning products leave residues that can interfere with the paintwork and affect the final finish.

4

Clogged brushes and spray guns

Paint residues adhering to brushes, spray guns or other tools can disrupt the even distribution of paint during the next application. If these tools are not cleaned properly, the paint application may become uneven.

5

Cleanliness in the workplace

Wherever painting takes place, cleanliness is essential. The workplace and equipment must be thoroughly cleaned during and after painting, as residues can impair the quality of the next coat of paint.

6

Success Stories

Olaf Pfeifer, Director
Schweizerische Technische Fachschule Winterthur STFW



“ We use the PROLAQ Auto with the accompanying PROLAQ L 400 cleaning agent and the PROLAQ RINSE neutralizer to clean our paint spray guns. As a school, it is important for us to set an example in our product selection and to demonstrate to our students that even when opting for a sustainable solution, the cleaning results are thoroughly satisfactory. ”

Markus Schürch, Project Manager for Production
Basler Verkehrs-Betriebe



“ Thanks to consultations with specialists from Bio-Circle, the cleaning agent used in the spray gun cleaning system was 100 percent replaced by the solvent-free PROLAQ L 400. Previously, approximately 100 liters of thinner were used annually to clean the spray guns and other painting equipment. This has significantly reduced the environmental impact as well as the burden on employees. Simply the absence of odor emissions in the vicinity of the system caused by the evaporating solvent is already a huge relief for the employees. ”

Markus Bösiger, Owner & Federally Certified Master Painter,
Bösiger Malerei AG



Bösiger Malerei AG in Baar, Canton of Zug, is distinguished by its traditional painting craftsmanship and also offers high-quality painting and varnishing services of all kinds.

“ With Bio-Circle, we were able to improve workplace safety, environmental protection, and efficiency in our cleaning operations. ”

Urs Katzenstein, Qualitäts Manager / SiBe
Richard AG Murgenthal



“ As an innovative company, it is particularly important to us to collaborate with forward-thinking partners. Bio-Circle has been a reliable partner for many years, providing us with advanced cleaning solutions that enable us to specifically replace hazardous chemicals. The collaborative and expert partnership with Bio-Circle allows us to develop solutions quickly and effectively—for environmentally friendly, safe, and sustainable operations. ”



DIAGNOSIS

Pre-cleaning of surfaces

SURFACES

Aluminium, steel, wood,
plastic, glass

CONTAMINATION

Fingerprints, adhesive residues, dust,
oils & greases

COMPLICATIONS DURING PRE-CLEANING

PERFECT PAINT FINISH STARTS WITH A CLEAN SURFACE

The importance of pre-cleaning for perfect paintwork results

Pre-cleaning of surfaces is a crucial step in the paint industry, which has a decisive influence on the quality and durability of the final coating. A clean and optimally prepared surface is the foundation for a perfect paint finish. However, common problems in this process can lead to serious defects that compromise the final result.

1 Inadequate degreasing

leads to adhesion problems, craters or even fish-eye defects in the paint

2 Residues from cleaning agents

can cause chemical reactions with the paint

3 Incomplete drying

Water marks or moisture can cause adhesion problems or blistering

4 Dust particles

lead to a rough surface or inclusions in the paintwork

5 Oxidation after cleaning

leads to poor paint adhesion, particularly on steel or aluminium



TREATMENT

CLEANERS



FT-FINAL TOUCH RANGE

The ready-to-use, manually applied cleaners in the FT range are all label-free and quick-drying. They remove oil and grease contamination of all kinds from many materials.

- + Safe to use: No labelling required & low VOC
- + Dries very quickly & leaves no residue or streaks

Environmentally friendly

The cleaners in the FT-Final Touch range are particularly environmentally friendly. They are phosphate-free and biodegradable, making them our sustainable and safe alternative to cold cleaners.

User-friendly

These ready-to-use products enable straightforward workflows thanks to their simple handling and safe application.

- FT 100** Residue- and streak-free, NSF-certified, low VOC, perfect for use before painting, labelling and bonding
- FT 200** Virtually residue- and streak-free, NSF-certified, VOC-reduced, temporary corrosion protection
- FT 300** Residue- and streak-free, even faster evaporation than FT 100, low-VOC
- FT 400** Virtually residue- and streak-free, NSF-certified, excellent cleaning power for oil and grease stains, release agents and adhesive residues

By cleaning strength: FT 100 ► FT 300 ► FT 200 ► FT 400

AF CLEAN + AIR-FORCE

SUSTAINABLY GOOD!

From the canister into the refillable spray can – this is the alternative to solvent-based brake cleaner and the new approach to manual surface cleaning. Less waste – use as usual at the touch of a button.

AF CLEAN is the best buddy of the refillable Air-Force aluminium spray bottle! The VOC-reduced cleaner impresses with its powerful cleaning performance yet leaves minimal residue.

- + Ready to use, low-residue and non-foaming
- + Cleans various surfaces, including painted surfaces
- + Marking-free cleaner for manual applications



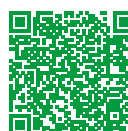
UNO S F

INTENSIVE ALL-PURPOSE CLEANER

UNO S F is a low-foaming intensive cleaner from the UNO range, designed, amongst other things, for manual use. The cleaner can be used across all sectors and, thanks to its NSF certification, is also approved for use in the food industry.

It cleans extremely effectively and removes oils, greases, release agents, soot, burnt-on dirt and similar substances from steel, stainless steel, tiles, plastic and various other surfaces.

- + Effective even at room temperature
- + Mixable with water
- + Versatile



DIAGNOSIS

Cleaning of paint spray guns

TYPE

SPRAY GUNS,
TOOLS & ACCESSORIES

CONTAMINATION

Dried water-based &
solventbased paints



CLEANING SPRAY GUNS

A CLEAN TOOL – FOR A GLOSSY FINISH

Efficient cleaning with a system – for uncompromising quality

Every painting professional knows: a spray gun is only as good as its cleaning. Dried-on paint, blocked nozzles and uneven spray patterns are typical consequences of poor maintenance – often caused by a lack of routine or unsuitable cleaning agents. The consequences: loss of quality, increased time expenditure and costly rework..

1

Incomplete cleaning

leaves residues that can clog nozzles and channels

2

Aggressive cleaning agents

corrode seals and sensitive components – drastically reducing the gun's service life

3

Long periods of use without cleaning

lead to stubborn encrustations that are difficult or impossible to remove

4

Failure to dismantle

leads to dirt and paint residue in hard-to-reach places – and causes nasty surprises when next use

5

Cleaning agent residues

are often underestimated: they can directly affect the adhesion and surface of the next coat of paint

OUR SOLUTION:

Clean performance throughout the system with the PROLAQ L range

So that you can focus once again on what matters – perfect paint finishing results – Bio-Circle offers the PROLAQ L range, a well designed and safe cleaning solution specifically for paint spray guns and tools.



1

safe & environmentally friendly

2

longer service life

3

Reduction in your costs

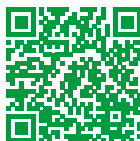
TREATMENT

CLEANER



PROLAQ L RANGE

PROLAQ L cleaners impress with their extremely powerful cleaning performance. These safe, environmentally friendly cleaners remove dried paint, varnish and printing ink.



- + **Cost reduction:** Minimised protective measures and replacement costs
- + **Environmentally friendly:** Low VOC content and hardly any labelling required
- + **Durability:** Ten times longer service life

Where pre-cleaning with diluted detergent or cleaning with fresh solvents such as acetone was previously required, PROLAQ L provides the solution. No more unpleasant odours, no fire hazard and no environmental risk. The use of VOC-reduced cleaners is a major benefit for employee protection and occupational safety.

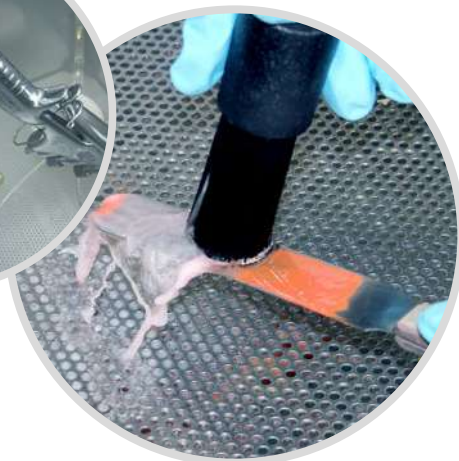


PROLAQ L 400

OUR TIP

Cleaner for **water-based & solventbased paints and varnishes**

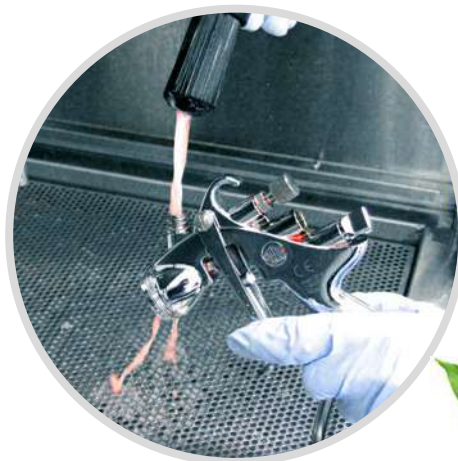
- ✓ Suitable for cleaning various paint systems
- ✓ Cleans, among other things, spray guns, hoses, rollers, filters, brushes, paint lines, etc.
- ✓ Non-flammable according to GHS classification
- ✓ Suitable for both machine and manual use
- ✓ Ready to use
- ✓ No labelling required
- ✓ Recyclable
- ✓ Low VOC



PROLAQ L 500

Cleaner primarily for **solvent-based paint and varnish stains**

- ✓ Suitable for cleaning various paint systems
- ✓ Cleans, among other things, paint spray guns, hoses, rollers, filters, brushes, paint lines, etc.
- ✓ Non-flammable according to GHS classification
- ✓ Suitable for both machine and manual use
- ✓ Ready to use
- ✓ Recyclable



Protection for people & the environment



*Clean Blue Label – Low-temperature cleaner
Removes heavy soiling even at room temperature

TREATMENT

Spray gun cleaning



SAFE, EFFICIENT & NO EX-ZONE REQUIREMENT

Tangible safety for people and the environment

In the paint industry, it is not only clean results that are crucial, but also safe and efficient cleaning processes. The PROLAQ Compact manual cleaning system, in combination with the cleaners from the PROLAQ L family, offers a high-performance

solution that protects both health and the environment – without the need for explosion-proof zones. The absence of EX zones in particular brings enormous advantages: no complex safety measures, no additional costs or restrictions. This makes the mobile system particularly flexible and therefore ideally suited to a wide range of applications.



- Health risks (respiratory tract, headaches)
- Environmental impact (ozone formation, air pollution)
- Legal restrictions (VOC Regulation)

VOC-free & low-VOC alternatives +
user health protection +
easy compliance with legal limits +



- Increased risk of accidents (fire, explosion, etc.)
- Storage and transport costs
- Training costs for safe handling

No hazard symbols (for many products) +
Simplified health and safety measures +
Few to no storage and transport requirements +



- High technical costs (explosion-proof equipment)
- Strict safety requirements
- Limited flexibility in work processes

Equipment can also be used in EX zones +
No ignition sources thanks to safe technology +
Cost reduction for EX protection measures +



Because safety and efficiency need not be a compromise

With the PROLAQ Compact and the PROLAQ L range, you can breathe new life into your painting processes: Low-VOC, free from hazardous substances, suitable for use within EX zones – for maximum safety with minimum effort. Less risk, lower costs, better performance!!



Safety in production

TREATMENT



MANUAL CLEANING

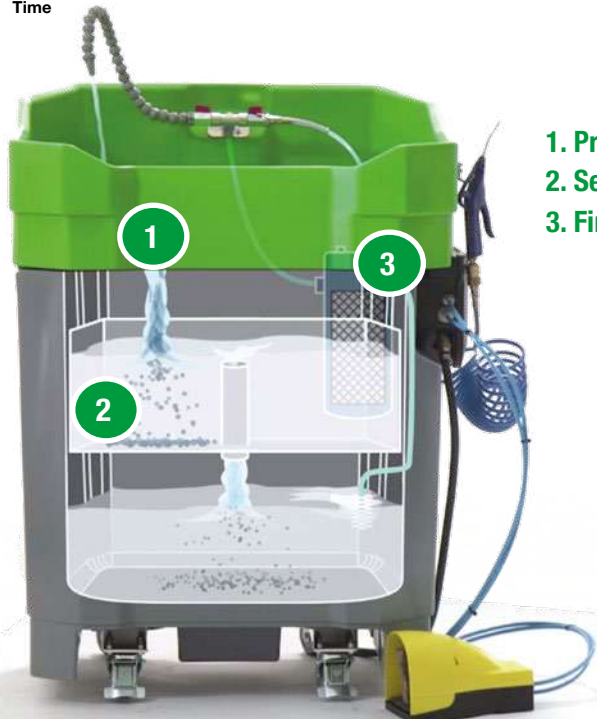
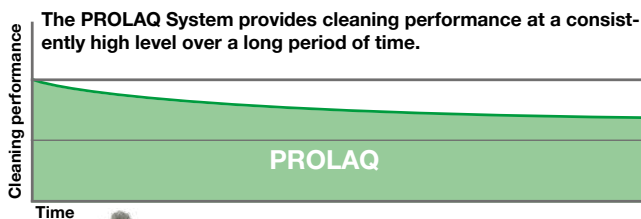
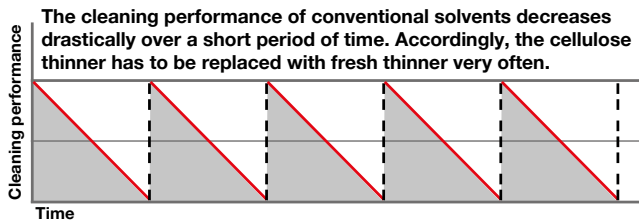
PROLAQ COMPACT

The PROLAQ Compact unit enables efficient and safe manual paint stripping. The system requires no electricity – for maximum flexibility and mobility.

The use of low-VOC PROLAQ L paint removers in the PROLAQ Compact helps to ensure a clean and safe workplace. The three-stage treatment of the cleaning agent significantly extends the service life of the medium, thereby contributing to the system's cost-effectiveness.

- + Efficient & fast paint cleaning
- + Safe & environmentally friendly operation
- + Cost-effective: saves money and resources

PROLAQ FACILITATES CLEANING AT A CONSISTENTLY HIGH LEVEL



1. Pre-filter
2. Sedimentation tank
3. Fine filter

MANUAL CLEANING



PROLAQ COMPACT PAINT APPLICATION TOOL CLEANING

PROLAQ Compact is a manual cleaning system for flow-cup guns, conventional paint spray guns of all types, painting tools and hose-fed systems.

The manual system is versatile, operates without electricity and features a flow-through brush, a compressed air gun and a funnel for emptying the gun.

Advantages at a glance:

- + Cleaner and safer workplace
- + Comfortable working height
- + Long service life of the medium
- + 3-stage filter system with collection tray for paint particles
- + Compressed air gun for drying cleaned parts
- + Mobile and freely positionable, no need for an EX zone
- + No extraction required
- + Low maintenance



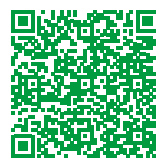
TREATMENT

Automatic spray gun cleaning

TREATMENT

AUTOMATIC / MANUAL CLEANING

PROLAQ AUTO



PROLAQ AUTO PAINT SPRAY GUN CLEANING

The PROLAQ Auto is a compact cleaning station for the manual and automatic cleaning of all types of paint spray guns. Painting tools are also cleaned quickly and effectively..

Advantages at a glance:

- + Manual and automatic cleaning, even in EX- and non-EX-protected areas
- + For water-based and solvent-based paints
- + Automatically cleans 2 spray guns simultaneously
- + Automatic spray gun cleaning via timer
- + For suction and flow cup guns
- + Follow-up air purge
- + Manual cleaning with a flow-through brush is also possible
- + Lockable with a cover
- + Sedimentation and filter unit included



BEFORE



AFTER

TREATMENT



AUTOMATIC / MANUAL CLEANING

PAINT SHOPS

Ideal for paint shops for the manual and automatic cleaning of flow cup guns and guns with external material supply.

AUTOMOTIVE INDUSTRY

Suitable for use in the automotive industry for cleaning paint application tools.

TRADESMEN

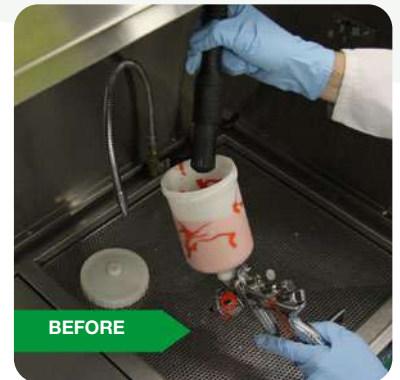
Cleaning system for small workshops carrying out paintwork.

WORKSHOPS AND PRODUCTION FACILITIES

Suitable for use in workshops and production facilities for cleaning painting equipment.

SMALLER PAINT SHOPS

Perfect for smaller paint shops requiring manual and automatic cleaning solutions.



BEFORE



AFTER



PROLAQ CONVERSION KIT FOR EXISTING SYSTEMS



The PROLAQ conversion kit for existing systems can be installed quickly and easily in all spray gun cleaning systems. The conversion kit allows conventional solvents to be replaced with a label-free paint remover from the PROLAQ L range. During the process, cleaned microparticles are removed from the cleaning medium by sedimentation.

Advantages at a glance

COST-EFFECTIVE

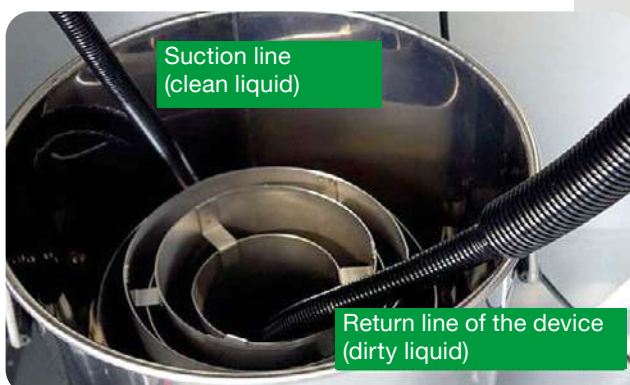
- + On average a 10-fold increase in service life with PROLAQ L 400
- + Approx. one-tenth of the conventional disposal volume

CONVENIENT

- + Suitable for all spray gun cleaning systems
- + Quick and easy to install → the system remains unchanged
- + Includes ball valve and side handles

SAFE

- + Conductive → Stainless steel
- + Increased workplace safety
→ PROLAQ L 400 paint stripper (no labelling required)



DIAGNOSIS

Paint removal



TYPE

Paint hooks and coated surfaces

CONTAMINATION

Dried-on water-based and solvent-based paints, powder coatings, graffiti

PROBLEM

WHAT ARE THE CHALLENGES?

The removal of dried-on paints, powder coatings, graffiti and other coatings presents many challenges. Mechanical and chemical methods often fail due to strong adhesion or heat-sensitive substrates. High costs, long exposure times and inefficient methods complicate large-scale applications.

Environmental and health risks posed by chemicals, dust or solvent vapours require careful protective measures. Improper treatment can lead to surface damage or unsightly results. Effective paint removal therefore requires methods that combine efficiency, environmental protection and safety.

TREATMENT

MANUAL CLEANING

With its two products, Stripper and Stripper Gel, Bio-Circle offers powerful, ready-to-use solutions for effective paint removal. Both products are ideal for the manual cleaning of coated surfaces on a wide variety of materials. Thanks to their versatility, they enable the quick and thorough removal of paints, varnishes and coatings – sustainably and without hassle.

- + Easy and safe to use
- + Efficient and quick paint removal
- + Versatile applications



STRIPPER

The Stripper is a water-based alkaline coating remover. It can be used in immersion and ultrasonic processes, and for light soiling, it can also be applied manually.

- ✓ Cleaning action at room temperature
- ✓ Suitable for manual and machine use
- ✓ Ready to use



STRIPPER GEL

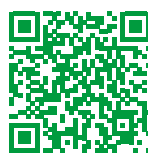
Stripper Gel is a gel-based coating, paint, varnish and graffiti remover. It can be used on wood, stone, concrete, glass, plastic, tiles and clinker bricks..

- ✓ Easy and safe to use
- ✓ Cleans various types of dirt
- ✓ Ready to use



TREATMENT

AUTOMATIC PAINT REMOVAL



ULTRASONIC DEVICES

Ultrasonic devices thoroughly remove paint by using high-frequency sound waves to generate cavitation bubbles, which, upon implosion, dislodge layers of paint without damaging the base material. Even stubborn contaminants such as dried-on oils, paints or rust are dissolved with the aid of special cleaning agents.

- + Thorough cleaning of parts with complex geometries
- + Reduction of hazardous substances through the use of specialised cleaning agents
- + Protection of the environment and staff through VOC-free and VOC-reduced products

Bio-Circle's ultrasonic cleaners are versatile and are used across a wide range of industrial sectors.

ULTRASONIC DEVICES AUTOMATIC PAINT REMOVAL

These advanced and easy-to-use machines use ultrasonic waves to clean parts effectively and thoroughly.

Advantages at a glance:

- + Tailor-made solutions thanks to a range of sizes
- + Versatile applications
- + Fast & efficient

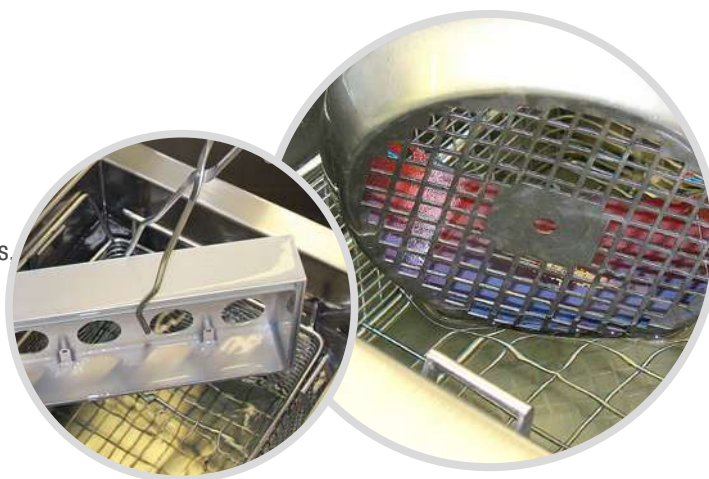
SUITABLE CLEANERS



PROLAQ L US

Paint remover specifically designed for use in Bio-Circle ultrasonic cleaners

- ✓ Removes fresh and slightly dried paints, varnishes, inks, printing inks and pigment paints
- ✓ Cleans parts with complex geometries, small bores and openings
- ✓ Sustainable & gentle on materials
- ✓ Ready to use
- ✓ Non-flammable
- ✓ Low VOC



“ Sustainable alternative to solvents for paint removal from a wide variety of metal surfaces. ”



Easy & safe to use





DIAGNOSIS

Printing companies

TYPE

Printing press components such as squeegees, rollers, screen printing

VERSCHMUTZUNG

Water- and solvent-based inks, plastisol, UV inks and semi-dried inks

WEB & SHEET-FED OFFSET PRINTING / ROTARY PRINTING

Cleaning challenges

Cleaning in web offset printing is a challenging task, as the presses usually run continuously and downtime must be avoided. Dried-on ink leads to deposits on inking units, anilox rollers and guide rollers, which compromises print quality. Many components are difficult to access, making manual cleaning laborious and timeconsuming. Furthermore, the use of aggressive cleaning agents entails health risks and high disposal costs. Automated cleaning solutions are often difficult to implement, as the systems are highly customised.



SCREEN PRINTING

Cleaning challenges

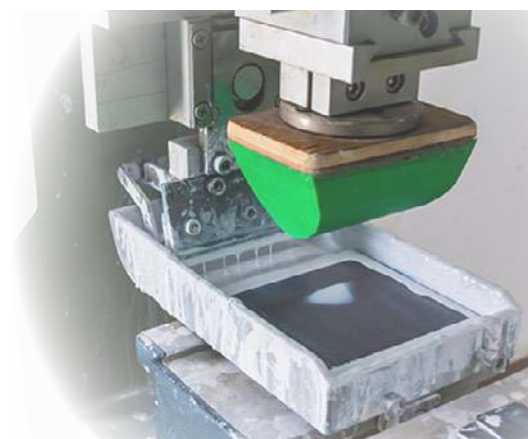
In screen printing, cleaning is particularly time-consuming, as ink quickly becomes embedded in the fine mesh of the screen, causing blockages or printing errors. Improper cleaning can damage the delicate mesh. Many cleaning agents contain solvents that are hazardous to health, necessitating extensive health and safety measures. The wide variety of screen types makes standardised cleaning solutions difficult to implement. The disposal of chemicals and waste water is also an additional cost factor.



PAD PRINTING

Cleaning challenges

In pad printing, it is primarily the fine printing plates and delicate pads that cause problems during cleaning. Inked residue is difficult to remove without damaging the engraved details. Frequent changes of ink and design significantly increase the cleaning workload. Many parts, such as squeegees or ink cups, are small but complex to clean. Cleanliness and hygiene are crucial, particularly in sensitive industries, which necessitates thorough and often manual cleaning.



TREATMENT

CLEANING OF INK-BEARING COMPONENTS

BIO-CIRCLE HTW

The BIO-CIRCLE HTW is the ideal solution for use in the printing industry. In combination with the powerful PROLAQ L 300 cleaner, ink and slightly dried varnish can be effortlessly and effectively removed from printing components.

Thanks to low cleaning temperatures and short treatment times, fast, thorough cleaning is guaranteed – ideal for sensitive components and maximum efficiency in day-to-day operations.

- + Versatile use across a wide range of industrial sectors
- + Energy-efficient thanks to state-of-the-art technology
- + Excellent cleaning results
- + Automatic cleaning

Printer components such as rollers and squeegees are cleaned quickly and almost completely residue-free in this application.



BIO-CIRCLE HTW HOT WATER PARTS WASHER

Made entirely from stainless steel, this parts washer is powerful, simple and safe to operate and handle, making it ideal for parts cleaning in maintenance, production and manufacturing..

Advantages at a glance:

- + Compact design and easy handling
- + Electrically driven rotating basket
- + Effective and cost-efficient
- + Powerful pump
- + Energy-efficient
- + Time-saving



OUR LOW-ENERGY TIP!

SUITABLE CLEANER



PROLAQ L 300

Paint remover specially designed for painted parts & printed components

- ✓ Removes printing inks, plastisol, UV inks, water-based inks and slightly dried inks
- ✓ Machine components of printing presses, such as squeegees and rollers, amongst others
- ✓ Labelling-free & suitable for recycling
- ✓ Easy & safe to use
- ✓ Suitable for machine use
- ✓ Water-based & labelling-free



Use in a screen washing plant:
Pour PROLAQ L 300 into the tank.



Cleaning in screen and pad printing requires particular care, especially when dealing with sensitive components such as printing screens (stencils), printing plates and ink trays/scoops. PROLAQ L 300 has been specially developed for fresh printing inks used in the printing industry. Even dried-on printing inks can be removed – depending on the ink type, degree of soiling and contact time. For particularly stubborn residues, a longer exposure time or pre-treatment may be required. Whether used manually or by machine, the cleaner is gentle on materials, water-dilutable and does not require labelling. This ensures thorough and safe cleaning of printing components quickly and efficiently – even with frequent changes of ink or design.

More time for your work



OVERVIEW

3D printing

TYPE

VARIOUS TYPES OF PRINTING PLATES (PEI SURFACES, GLASS, ETC.)

CONTAMINATION

Fingerprints, dust, oil, grease, cured UV resin



ADDITIVE CLEANER 100 PRINTING SURFACE CLEANER

The Additive Cleaner 100 was developed for the maintenance of all standard 3D printers. This cleaner effortlessly removes adhesives and release agents, dust, fingerprints and more.

Advantages at a glance:

- + Maintenance of all types of printers
- + Improves print quality
- + Material-friendly

TREATMENT

Residue-free surface cleaning & maintenance for all standard 3D printers

The ready-to-use Additive Cleaner 100 is the solution for thorough yet gentle cleaning. It has been developed to effectively clean lightly soiled surfaces and improve print quality. With residue-free evaporation and impressive versatility, it extends the service life of a wide variety of 3D printers.

Cleans metal and plastic powders as well as contamination caused by cured UV resin. Can improve the adhesion of parts in the FFF process.



ADDITIVE GRIP PRINT BED CLEANER

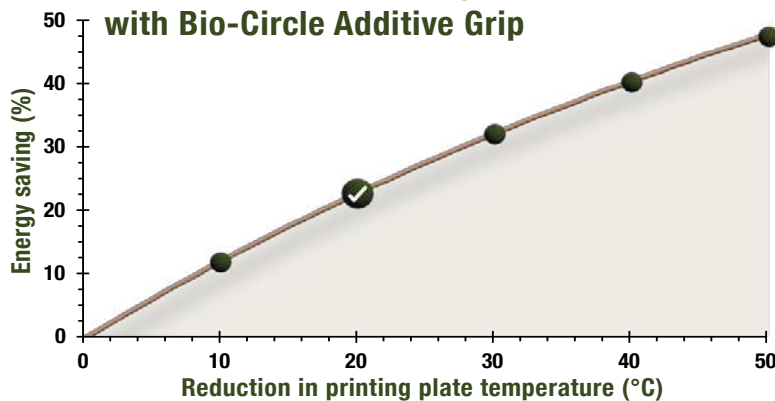
Put an end to adhesion problems in FFF 3D printing!

This adhesion and release agent improves adhesion, prevents warping and facilitates part removal.

Advantages at a glance:

- + Easier removal of printed parts
- + Extends the service life of the print bed
- + Heat-resistant

Reduction of the printing plate temperature with Bio-Circle Additive Grip



Temperature difference (°C)	0	10	20	30	40	50
Energy saving (%)	0	12	23	32	41	48





VOC-free, VOC-reduced

The European Solvents Directive (1999/13/EC) aims to significantly reduce the use of solvents and emissions of volatile organic compounds into the environment, thereby protecting human health. In the development and manufacture of our products, we ensure that we develop and produce VOC-free or VOC-reduced products. With the water-based Bio-Circle products, solvents can be completely replaced in many applications.

No labelling required

Thanks to efficient systems and products that do not require labelling, we are able to optimise our customers' processes. Although cleaning is carried out without the need for labelling, the quality of the cleaning remains unchanged. The very time-consuming handling of hazardous substances is eliminated. There is no need for hazardous substance storage facilities, hazardous substance shelters or the creation of operating instructions. The health of employees and the environment are protected. Even trainees are permitted to work with the products.

NSF – Cleaning in the food industry

The NSF-certified, aqueous Bio-Circle cleaners are water-miscible and, due to their residue-free rinsability, are suitable for use in the food industry in accordance with Section 31 of the German Food and Feed Code (LFGB).

Miscible with water

Many of our cleaners are concentrates. They mix easily with water and are therefore very economical. Please observe the mixing ratio depending on the application and the level of soiling.

Clean Blue – For low-temperature cleaning only

Bio-Circle's low-temperature cleaners – Clean Blue – are designed for both machine and manual use. They save energy and effectively remove heavy soiling even at room temperature.

Ready to Use

These cleaners are ready for immediate use. Depending on the cleaner, they can be used manually or with machinery. This saves the user a step, as there is no need to calculate the mixing ratio.

Our delivery service (Germany)

Delivery time: approx. 2–3 days.

Delivery:

Free domicile incl. packaging for order values of € 600.00 or higher.

For order values (OV) under € 600.00, we invoice the following service charges (SC):

Service charge: OV up to € 100.00	SC of € 16.50
OV up to € 200.00	SC of € 19.50
OV up to € 600.00	SC of € 22.50

Collection by the customer:

You are welcome to pick up your products Monday thru Thursday between **8:00 a.m. and 4:30 p.m.** and Friday between

8:00 a.m. and 3:00 p.m. directly from our production facilities in Gütersloh. Please call ahead on **+49 (0) 5241 9443 0**, so that we can prepare your order for pick-up.

Payment terms:

Our invoices are payable within 8 days with a 2 % discount, or within 30 days net without deduction. Upon request, we will debit the invoice amount from your account within 8 days. In that case you will receive a 3 % discount. For this, we require a direct debit authorization from you.

Reservation of title:

All items delivered by us shall remain our property until all present and future claims arising from the business relationship with the customer have been settled in full.

All prices are subject to VAT at the applicable rate.



TECHNIKUM

**AT OUR STATE-OF-THE-ART TECHNICAL CENTRE,
YOU CAN SEE FOR YOURSELF THE QUALITY AND
CLEANING PERFORMANCE OF OUR PRODUCTS.**

Carry out cleaning tests on your parts under
the guidance of our application engineer and find
the right cleaning solution for your needs.

Our additional services for you:

- A telephone hotline for chemical, biotechnological and technical enquiries, as well as application advice on our products
- Analysis of your Bio-Circle cleaning baths
- Product training for dealers and user training at the Bio-Circle Academy
- On-site or online
- Support with compliance with legal regulations (e.g. VOC reduction, substitution of hazardous substances)

We look forward to hearing from you!

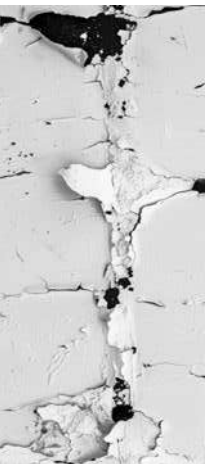


Image credits for entire document:
Adobe Stock, internal





BIO-CIRCLE THE PIONEER IN ITS INDUSTRY

Bio-Circle Surface Technology GmbH, based in Gütersloh, specialises in biological cleaning solutions for industrial applications. The company specialises in the distribution of highly efficient, hazardous-substance-free and solvent-reduced cleaners and cleaning systems. This means: improved workplace safety, increased productivity, greater efficiency, environmental protection, and lower operating costs for health and safety measures, storage and disposal. These environmentally friendly, sustainable and user-friendly products are backed by over 40 years of experience in research and development.

PHILOSOPHY



Our corporate philosophy, 'MAKING GREEN WORK', makes it clear that we want to create a green space not only within our own company, but also in other businesses through our products and technologies.

By developing suitable systems and solutions for parts cleaning, we aim to improve workplace safety, meet users' needs and use resources in a way that ensures they remain available for future generations.



**SAFETY IN
PRODUCTION**



**EASY
HANDLING**



**HIGH
COST-EFFECTIVENESS**



**PROTECTION OF
EMPLOYEES**

A STRONG GLOBAL PARTNER:



- ▶ CLEANING
- ▶ PROTECTING
- ▶ LUBRICATING
- ▶ WELDING

Bio-Circle Surface Technology GmbH

Berensweg 200 • D-33334 Gütersloh
Telephone: +49 (0)5241 9443-0
Fax: +49 (0)5241 9443-44
Email: service@bio-circle.de
bio-circle.de

Bio-Circle Surface Technology GmbH

Gewerbestraße 1 • A-4653 Eberstallzell
Telephone: +43 (0)7241 59 400
Fax: +43 (0)7241 59 400-10
Email: service@bio-circle.at
bio-circle.at

Bio-Circle Surface Technology AG

Aahusweg 16 • CH-6403 Küssnacht am Rigi
Telephone: +41 (0)41 878 11 66
Fax: +41 (0)41 878 13 47
Email: service@bio-circle.ch
bio-circle.ch

Global presence

Our products are sold and used in 63 countries.
With our own branches, production sites and
distribution partners, we have a global network.



bio-circle.de • bio-circle.ch • bio-circle.at

