

# Quicker Job Changes with Advanced Cleaning Technology

How Parts Washer 3400 and Trolley Washer WM-319 Are Actively Supporting Efficiency Increase in the Rotogravure Printing Process



Renzmann Website

In today's dynamic print environment, the drive toward shorter print runs and just-in-time production has never been more pronounced. These shifts are redefining how modern rotogravure printing operations manage their workflows. With job changes occurring more frequently, the demand for efficient, reliable, and environmentally responsible cleaning solutions is rising sharply.

Efficient cleaning of anilox rollers, printing cylinders, and press components is no longer a peripheral task—it is a critical element of production efficiency, job change speed, and product quality. This is where advanced cleaning systems like the Parts Washer 3400 and Trolley Washer WM-319 come into play. These purpose-built technologies are designed not only to meet the rigorous cleaning demands of today's printing operations but to exceed expectations in terms of efficiency, environmental responsibility, and operator safety. When paired with a wide range of solvent recovery systems, these machines form a powerful, integrated cleaning solution that saves time, money, and resources while boosting output and reliability.

## The Challenge: More Jobs, Less Time

Print runs are getting shorter. Customers are demanding quicker turnarounds. In response, rotogravure printers are forced to execute more job changes in less time, with no compromise in print quality or consistency. But there's a catch: each job change requires thorough and reliable cleaning of ink trays, cylinders, squeegees, hobbos, and other press components. Without a streamlined and effective cleaning process, production grinds to a halt. Manual cleaning is time-consuming and inconsistent. Even semi-automated systems often fail to clean thoroughly, leaving ink residues and increasing the risk of contamination in the next print job. Additionally, pressure is placed on printing companies to implement cleaning processes that are safe, eco-friendly, and cost-effective.

The Solution: Automation, Precision, and Sustainability

## Parts Washer 3400 – A Powerhouse for Component Cleaning

The Parts Washer 3400 is built specifically to handle the heavy-duty demands of the rotogravure industry, offering exceptional cleaning results for doctor blades, stirrers and unit parts. This industrial washer combines chemical cleaning power with mechanical efficiency, ensuring that even the most stubborn ink residues are completely removed.

### Key Benefits:

- High cleaning capacity for various parts in a single cycle
- Customizable cycles for different contamination levels and components
- Compatible with a wide range of cleaning media including solvents and alkaline solutions
- Engineered for high throughput, enabling faster turnaround between jobs

With automated controls, the Parts Washer 3400 reduces the need for manual labor and ensures consistent, repeatable results every time. It's a significant leap forward in cleaning efficiency, especially for operations juggling numerous job changes per shift.



WM 3400

## Trolley Washer WM-319 – Versatile, Mobile, and Powerful

When it comes to flexibility and mobility, the Trolley Washer WM-319 delivers on all fronts. The trolley washing machine offers unique convenience: simply drive the loaded trolley in at floor level. Switch it on and the most stubborn incrustations disappear. This is made possible by the fact that the machine is partly lowered into the ground. This compact yet powerful unit is ideal for cleaning paint trays, squeegees, buckets, hobbos, and other metal components used in the printing process.

### Design and Functionality:

- Equipped with a mobile slide-in unit or washing basket, it accommodates various parts that can be efficiently washed in a single cycle.
- Spray nozzles are strategically positioned to reach all contaminated surfaces, ensuring a thorough wash regardless of part geometry.
- A fully automated washing cycle—including wash, drain, rinse, and suction steps—guarantees a reliable, closed-loop cleaning process.
- Features oscillating rotary spray pipes to maximize surface coverage and cleaning action.

This machine supports all common solvents with flash points above 200°C and explosion groups IIA and IIB, making it highly adaptable and safe for industrial use. The WM-319 is ideal for printing facilities looking to scale up cleaning efficiency. It provides an accessible entry point into automated cleaning technology, helping businesses modernize operations, minimize employee fluctuation and downtime.

## Integrated Cleaning: Distillation Units for Solvent Recovery

An effective cleaning solution doesn't stop with the washer. True efficiency is achieved when cleaning media can be recovered, recycled, and reused—an essential step toward operational sustainability and regulatory compliance. To support this, we offer a wide range of distillation units that enable solvent recovery as part of the overall cleaning process. These systems are engineered to:

- Recover more than 95% of solvent used
- Maintain a consistent supply of clean solvent, improving cleaning results
- Minimize employee fluctuation through intelligent and safe handling of solvents
- Minimize hazardous waste, cutting disposal costs and environmental impact
- Ensure compliance with occupational and environmental safety standards

By integrating distillation into the cleaning workflow, a closed-loop system is created that not only boosts the effectiveness of the washing machines as Parts Washer 3400 or WM-319 but also significantly reduces the environmental footprint.

## Compliant with Environmental and Occupational Standards

Modern printing companies must navigate a complex web of workplace safety regulations and increasingly strict environmental standards. From solvent emissions to operator exposure, compliance is critical and costly, if ignored.

Our cleaning systems are designed with this in mind:

- Fully enclosed cleaning chambers prevent solvent vapor emissions

## The rotogravure industry is evolving rapidly. That means your cleaning systems must be ready to evolve, too.

- Automated cycles reduce manual handling and exposure
- Explosion-proof construction and certified components ensure maximum safety
- Compliance with European ATEX guidelines and global occupational health standards

By adopting this technology, companies demonstrate commitment to employee welfare and sustainability, which can be a powerful differentiator in today's eco-conscious market.

## Real-World Impact: A Better, Faster, Cleaner Process

Let's consider the story of one of our clients: a mid-sized rotogravure printer located in Turkey had to handle up to 15 job changes per day. Before automation, cleaning consumed hours of downtime, plus inconsistent results often led to quality issues and rework. Manual cleaning also meant heavy exposure to solvents, high labor costs and staff fluctuation.

After implementing the Parts Washer 3400 and WM-319, the same facility reports:

- 40% reduction in job change downtime
- 60% decrease in solvent usage, thanks to integrated distillation
- Improved print quality, with zero contamination between jobs
- Enhanced worker safety, with reduced solvent exposure
- Quick ROI (Return on Investment)

This isn't just theoretical—it's happening right now in print shops across the globe.

## Future-Proofing Your Print Operation

The rotogravure industry is evolving rapidly. Trends like short-run printing,

customization, and sustainable production are here to stay. That means your cleaning systems must be ready to evolve, too.

The combination of our Parts Washer 3400, Trolley Washer WM-319, and solvent recovery systems provides a scalable, modular cleaning solution that grows with your business. Whether for a small shop or a high-volume producer, these technologies help:

- Speed up production
- Improve consistency and quality
- Reduce waste and cost
- Stay compliant with changing regulations

More than just cleaning machines, they are productivity tools, environmental solutions, and profitability enhancers rolled into one.

## Clean More. Change Faster. Waste Less.

In the high-pressure world of rotogravure printing, speed and precision are everything. Cleaning may seem like a back-end process, but when done right, it becomes a strategic advantage. By integrating advanced systems like the Parts Washer 3400 and WM-319, and coupling them with solvent recovery units, your business gains the efficiency, flexibility, and compliance needed to stay competitive.

It's time to stop treating cleaning as a bottleneck and start treating it as a catalyst for productivity.

Cleaner parts mean faster job changes. Faster changes mean more jobs per day. More jobs mean greater profitability.

**Want to know how your operation can benefit from faster, safer, and more sustainable cleaning?**

**Contact us today to arrange a personalized consultation and take the first step toward transforming your cleaning process and your bottom line.**



Rebecca Wilhelm  
Marketing  
Renzmann GmbH