

Master Remover®

Sustainable paint removal solutions



General metal finishing

Paint support technology

www.atotech.com



The pinnacle in process versatility



A superior approach to paint removal

Paint removal requirements come in two forms – part cleaning for fixtures / racking devices and high-value finished part reclamation. Racking devices and fixtures require frequent cleaning to minimize the risk of finished part rejects. Alternatively, paint rejects are an inevitable outcome of finished part manufacturing, requiring costly part reclamation prior to repainting. OEMs and Tier 1 suppliers often outsource paint removal activities to minimize hazard exposure. However, this leads to lengthy lead times and increased capital, requiring duplicate sets of components to maintain normal plant operation. Identifying a safe and economical in-house alternative to these conventional methods is critical for paint applicators.

Master Remover® is the ideal in-house paint removal alternative, eliminating lengthy lead times and the necessity of additional racks / fixtures required with outsourced processes. This significantly reduces cost and provides a quick return on investment. Master Remover® can be utilized off-line or in-line, by spray or immersion, and is capable of removing a wide variety of coatings from a range of substrates, offering greater process versatility. Providing the performance, quality and safety desired by OEMs and Tier 1 suppliers globally, Master Remover® is truly the superior approach to paint removal.

Sustainable processes for OEMs and Tier 1s



Figure 1-4:
Master Remover® applications vary widely, from paint removal for car carriers, hooks and jigs to part reclamation for wiper arms and other high value components

Ferrous substrate paint removal

Paint removal for hooks, jigs and racks is an undesirable but necessary activity for OEMs and Tier 1s. Paint build-up on fixtures increases the probability of finished part rejects. To minimize these risks, frequent paint removal is required. Master Remover® provides numerous advantages versus conventional paint removal processes. It eliminates substrate damage and warping while minimizing safety concerns with exposure to sulfuric acid and chlorinated solvent in addition to incomplete paint removal, common drawbacks of mechanical methods. Unlike thermal methods, which operate at very high temperatures (>425 °C), Master Remover® has a much lower energy demand and does not require subsequent ash removal and part cleaning. Master Remover® also minimizes employee exposure to highly regulated and high Volatile Organic Compounds (VOCs) while providing significantly longer solution life, characteristic detriments of conventional chemical paint stripping methods.

Light metal substrate paint removal

Paint removal requirements for light metals (Al, Zn, Mg) are almost exclusively for part reclamation. When paint rejects occur, complete removal of organic coatings is necessary prior to repainting. Conventional methods (mechanical and chemical) have various technical, HES and commercial disadvantages associated with them, making Master Remover® the ideal solution. Master Remover® provides 100% first pass paint removal and preserves the intended substrate characteristics, minimizing the need for costly re-work prior to repainting.

Features and benefits

- Provides a quick return on investment for in-house installation
- Improves operating efficiency with rapid paint removal
- Complies with the most stringent environmental regulations globally
- Preserves intended substrate, reducing operating costs
- Decreases process running cost with extended solution life
- Provides a safer work environment for employees
- Eliminates need for secondary cleaning operations
- Provides 100% first pass coating removal
- Imposes less strain on equipment than mechanical and thermal processes
- Efficiently removes a wide variety of coating types

