

Product Overview

Fully Automatic Paint Stripping System



SMiTO-Technic GmbH

+49 (0)7071 8805 60

info@smito-technic.de

Administration and Sales:

Au-Ost 1/1

72072 Tübingen

Assembly:

Unter dem Holz 7/1

72072 Tübingen

Fully Automatic Paint Stripping System



1 Chemical Paint Stripping with the Fully Automatic Paint Stripping System

Chemical paint stripping in a closed system provides a safe, simple, and clean stripping process and facilitates its operating procedure.

The closed system with its compact size enables for easy integration into the existing infrastructure of the individual company.

The fully automated paint stripping system is designed for non-stop operation; operating and maintenance costs are low.



There is no direct contact with chemical agents while operating the fully automatic paint stripping system. Connection to an exhaust system inhibits chemical vapors from escaping and possible odors are removed immediately.



This improves the entire working environment for all staff involved in the paint stripping process without impacting the cost-efficiency of “in-house” paint stripping.

Furthermore, the physical strain for the staff is reduced by using the transport system especially designed for the fully automated paint stripping system. Paint stripping objects are loaded into the system at an ideal ergonomic working height, the gate is closed and the paint stripping program is started.

1.1 Fully Automatic Paint Stripping System Features



System Features

- completely in stainless steel, isolated
- integrated safety collection tray, leakage detection by sensor
- electric heating, indirect
- paint stripping agents with operating temperatures up to 120°C
- circulation by efficient IE2 engine
- electrical cabinet with operating panel
- Siemens control (PLC and display)
- safety temperature limiter
- monitoring of filling level
- CE conformity
- When water-based chemical agents are used, an additional rinsing option with fresh water is possible.

1.2 Technical Information

Technical Information Fully Automated Paint Stripping System

Filling volume:	min. 570 l, max. 600 l;
External dimensions:	2000 x 930 x 2100 mm, (LxWxH), height with open hood: 2500 mm
Usable inner dimension:	1000 x 585 x 600 mm, (LxWxH), 4 wheels (rims) up to 22"
Electrical data:	3~ / 400 V / 50 Hz – 6 kW, Connector cable with CEE-16A-plug
Pneumatic connection:	NW 7.2; > 0.5 to max. 7 bar
Connection exhaust air:	Ø 110 mm

2 Transport system

A transport system is available for safe and simple transportation of stripping objects. This system includes a transport trolley and adaptable movable loading rack.



Fig.: Transport trolley



Fig.: Loading rack – here especially for hooks



Fig.: Transport trolley system with loading rack for hooks

3 Paint Stripping Examples

3.1 Chemical Paint Stripping of Hooks and Hangers

Re-using hooks and hangers is an important contribution to the issue of process reliability and sustainability. For our customers cost-efficiency is the key factor. Using our fully automatic paint stripping system together with our transport trolley system for an “in-house” chemical paint stripping procedure in your own company has many benefits. Compared to contract paint stripping our system not only provides a high level of flexibility, saving time and costs, but also facilitates the entire working process. Hooks which need paint stripping do not have to be bundled and transported in boxes, they can be sorted and placed on the loading rack on site.



The hooks stay there during the entire paint stripping process which means they are ready to use right after transportation back to the powder coating or paint-spray line. This is a time saving procedure which also avoids shipping and transportation damages. The hooks are held by the loading rack in a way which facilitates paint peeling. Unlike bundled hooks, the single hooks are entirely enclosed by the chemical agent, which reduces process time. It is easy for paint flakes to fall off. This also applies to rinsing the hooks after paint stripping.

3.2 Chemical Paint Stripping of Miscoated Components

The fully automated paint stripping system is also ideally suited for chemical paint stripping of miscoated components. With different loading racks paint stripping is possible for i.e. bike or motor cycle frames, fenders, engine parts and wheels (4 rims up to 22“per batch), and almost all paint coated metal work pieces.

