

www.mobydick.com



MobyDick ONE

The new Benchmark in TailorMade Wheel Washing



FRUTIGER

Wheel Wash System ONE

FRUTIGER 30 Years as World Market Leader | In 1986, we presented the first wheel washing system, MobyDick DUO, on the European market. In 1996, we introduced the first drive-through system worldwide, MobyDick Quick. After continuous ongoing development, we have arrived at the next stage - MobyDick ONE! A concept based on Swiss quality, washing power and individual customer needs.

FRUTIGER presents ONE:



The ONE Innovations

1



Modular Side Nozzle Concept

Consisting of interchangeable nozzle bars:
 > Nozzle bars can be adjusted at any time to modified conditions (e.g. oscillating nozzle bars)

2



Modular Bottom Nozzle Concept

(Pat. Pend. PCT/EP2016/051256 and PCT/EP2016/051257)
 Consisting of interchangeable bottom nozzle plates:
 > Nozzle plates can be adjusted at any time to modified conditions
 > Reduced nozzle obstruction thanks to innovative special nozzles

3



Spray Pattern

(Pat. Pend. PCT/EP2016/051256)
 Water jet emitted from the bottom nozzles at oblique angles:
 > Higher washing effect on the treads
 > Additional cleaning effect in hard-to-reach places

4



Powerflush

(Pat. Pend. PCT/EP2016/051257)
 Innovative mudguard washing:
 > Two Powerflush nozzles each at 900l/min

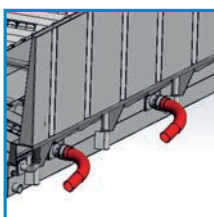
5



Track Profiles

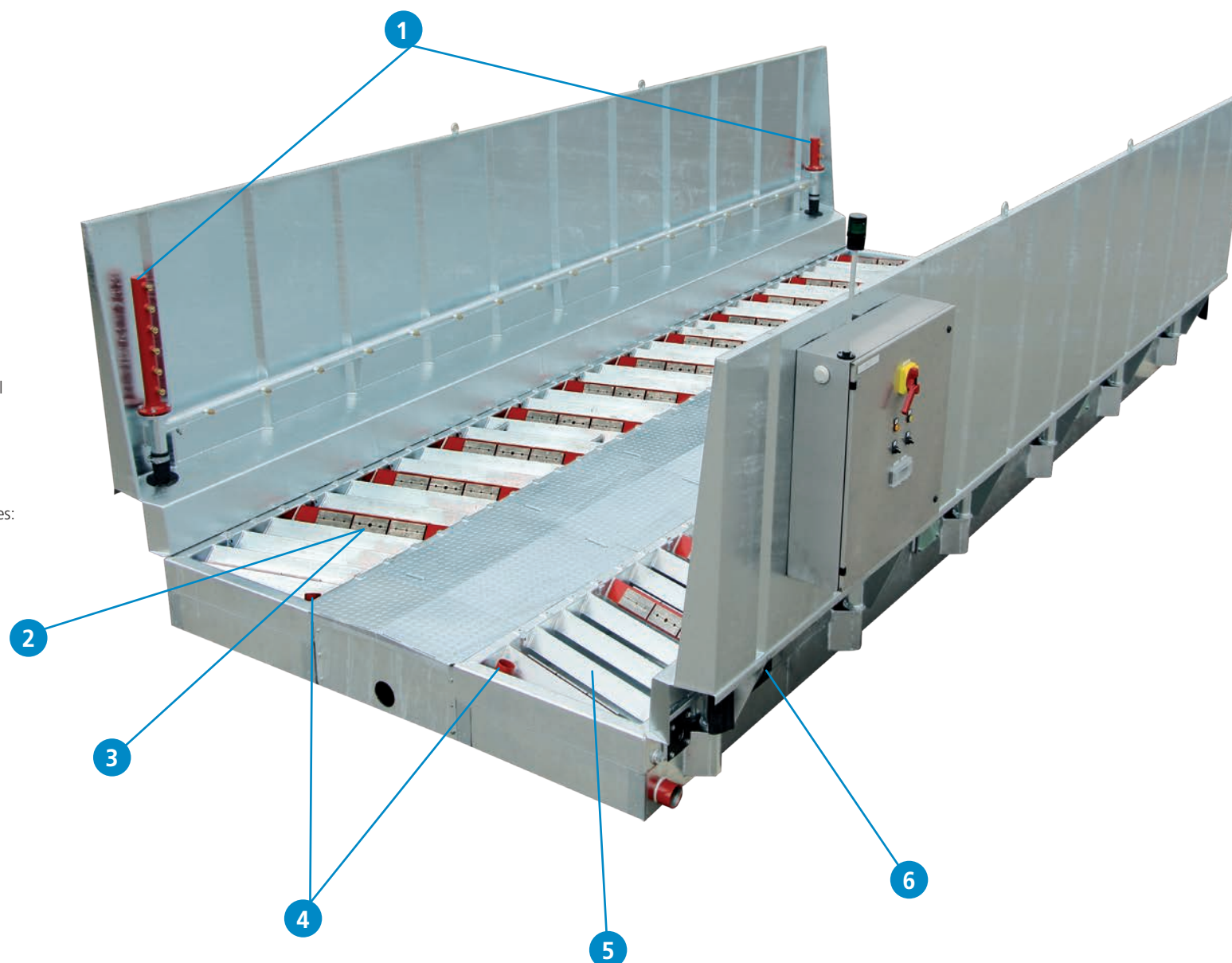
(Pat. Pend. PCT/EP2016/051256)
 15° inclined track profiles:
 > Increased milling effect
 > Accessible with tracked vehicles
 > Very smooth running
 > Halved maximum load on the track profiles

6



Optimized Water Flow

Calculated theoretically, confirmed empirically:
 > Larger supply line cross-sections
 > Washing modules feature flow-optimized geometry
In collaboration with the Swiss Federal Institute of Technology Zurich (ETH)



ONE is available for various vehicle specifications and dirt conditions:

Lengths in cm:	360, 720, 1000, 1440, 2000
Widths in cm:	280, 300, 340, 400, 450, 500, 540
Axle Loads in t:	15, 20, 30, 50
Special Sizes:	Available on request

Water Recycling

Water recycling is individually adapted to the on-site conditions together with your MobyDick expert.

Wheel-loader Tank

Manual mud removal using wheel loaders



Tank without Scraper Conveyor

Manual mud removal using excavators



Tank with and without Scraper Conveyor

Semi-automatic mud removal



Tank with Scraper Conveyor

Fully automatic mud removal



Performance data for standard model ONE

Models	360	720	1000	1440	2000
Length of washing platform in cm	360	720	1000	1440	2000
Drive-through width of washing platform in cm	280	280	280	280	280
Height of splash side walls in cm	150	150	150	150	150
Supply line cross section in mm	125	125	125	125	125
Maximum permitted axle load in t	15	15	15	15	15
Fully galvanized	☒	☒	☒	☒	☒
Water-bearing construction	☒	☒	☒	☒	☒
Inclined track profiles	☒	☒	☒	☒	☒
Accessible with tracked vehicles	☒	☒	☒	☒	☒
Modular Bottom Nozzle Concept	☒	☒	☒	☒	☒
Modular Side Nozzle Concept	☒	☒	☒	☒	☒
Optional nozzle arrangement Light	☒	-	-	-	-
Optional nozzle arrangement Megawash	-	☒	☒	☒	☒
Optional nozzle arrangement Powerflush	-	☒	☒	☒	☒
Pump type	MobyDick	MobyDick	MobyDick	MobyDick	MobyDick
Max. number of pumps	2	9	13	17	25
Maximum pump power in l/min	3,600	16,200	23,400	30,600	45,000
Connected load per pump in kW/h	5.5	5.5	5.5	5.5	5.5
Noise emission in dB*	< 75	<75	<75	<75	<75

*The given sound power level was measured using the enveloping surface method, at the operator's ear and the truck driver in the driver's compartment, with the window open.

Options

MobyDick ONE's innovative design enabled us to develop new problem solutions. Together with the proven range of options, every system can be configured perfectly to the customer's needs.



The FRUTIGER Group is represented worldwide with independent companies and sales offices. Our production is ISO 9001:2009 certified. Find your local specialists and more information on: www.mobydick.com

MobyDick Emission Control



Three Fields - One Brand - One Partner!



MobyDick Wheel Washing

With a wide selection of customized (TailorMade) and standardized (ConLine) tyre washing systems, MobyDick's Wheel Washing line has provided a suitable solution for every problem for the past 30 years in order to avoid dirty public roads.



MobyDick Demucking

The washing systems in the MobyDick Demucking Line automatically free the frame, underbody and wheels or crawler tracks of vehicles from coarse mud within mere minutes. Depending on customer needs, the systems are capable of cleaning tracked vehicles up to the size of a Caterpillar D11, as well as dumpers and wheel loaders.



MobyDick Dust Control

MobyDick Dust Control offers a wide selection of modern cannons for dust control. Based on detailed analysis, FRUTIGER also produces customized complete solutions for applications in indoor and outdoor areas. Typical areas of application include construction sites, materials handling sites, recycling yards, quarries, mines, steel and cement factories.



Assembly Plant USA



Production Asia



Production Europe



Headquarters Switzerland

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