

GHOST



ma4-ID3, Camilla Vigsø & Mette S. S. Christensen, May, 2012

TITLE SHEET

Title

Ghost

Project group

Msc4-ID

Department of Architecture, Design & Media Technology
Aalborg University

Collaborator

Martin Professional A/S

Period

1st of February 2012 – 23rd of May 2012

Supervisor

Finn Schou

Studieadjunkt, Department of Architecture, Design and Media Technology
Aalborg University

This process report is conducted on 4 MSc-ID, Industrial Design and Planning at Aalborg University, in connection with the master thesis.

The project is completed in cooperation with Martin Professional A/S in the period from the 1st of February 2012 to the 23rd of May 2012.

The project has resulted in two reports; a process report, communicating the process from introduction to final product proposal, and a product report, which presents the final solution and function as a promotional literature.

The reports can be read in order, starting with process report and then the product report, or the product report can be read separately.

Camilla Vigsø

Mette S. S Christensen

INTRODUCTION

Martin Professional A/S (Martin) was founded in 1987 by Peter Johansen, an entrepreneur from Aarhus. Today Martin is world leading in the creation of intelligent light solutions (computer controlled light) for entertainment, architectural, and commercial sectors, and have 20-25% of the world market within fog machines.

Since the foundation the company has been expanded, and in 1994 their turnover passed 100 million DKK, and in 1995 they were noted on the Copenhagen stock exchange.

Martin's professional is placed in four different countries; the headquarter is placed in Aarhus, Denmark, two factories in Frederikshavn, Denmark, that makes the light, one factory in Louth, United Kingdom, this factory produces the smoke machines, and one factory in China.

The production at the factory in China, will, during 2012, be moved to Frederikshavn and Louth, as part of a new business structure and strategy.

Based on a old haze-machine, from Martin, the project-group is to examine the user, design the exterior look, and look into some of the interior components. The mechanic and electronics of the product, must be taken into account. Besides from this, a study and consideration of the production method and construction has been done.





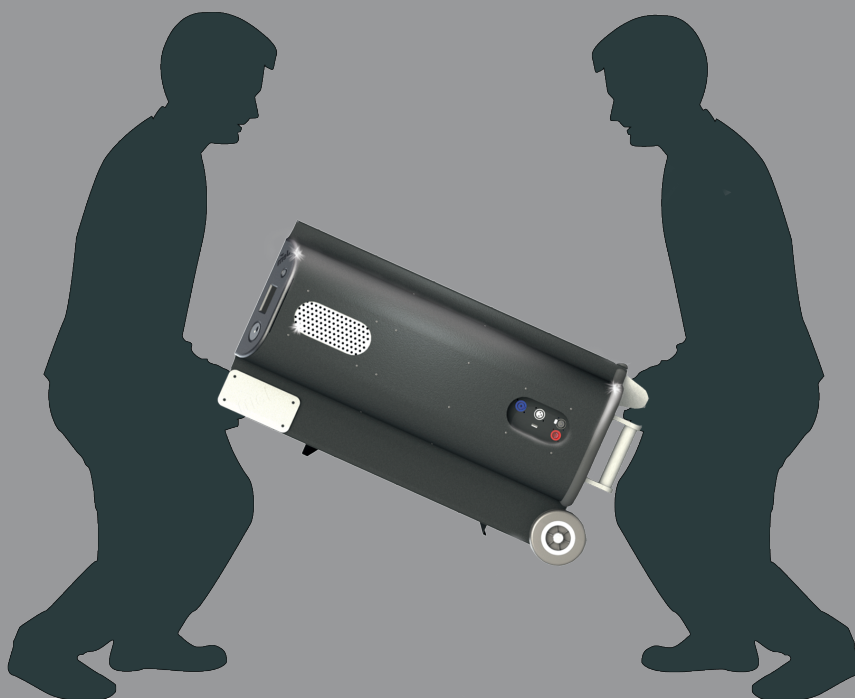
CONTEXT





HANDLING



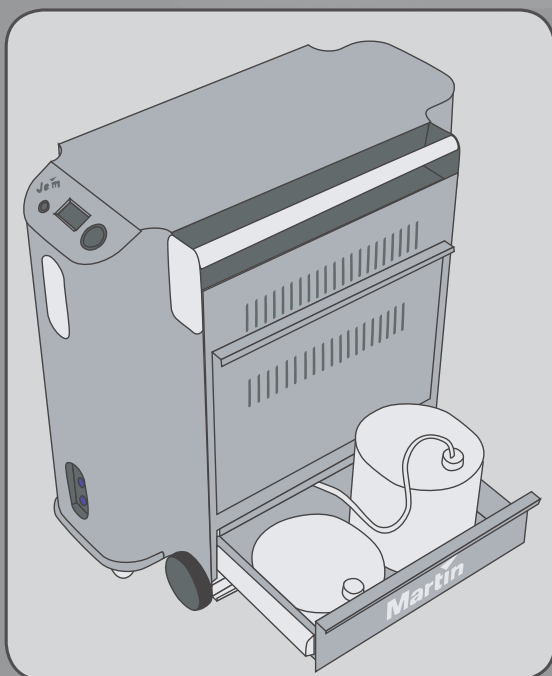


CONCENTRATION TANK

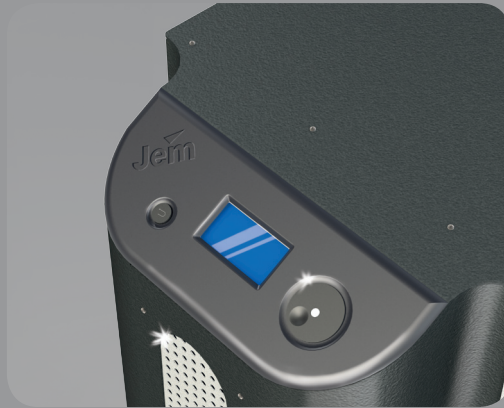




WATER TANK



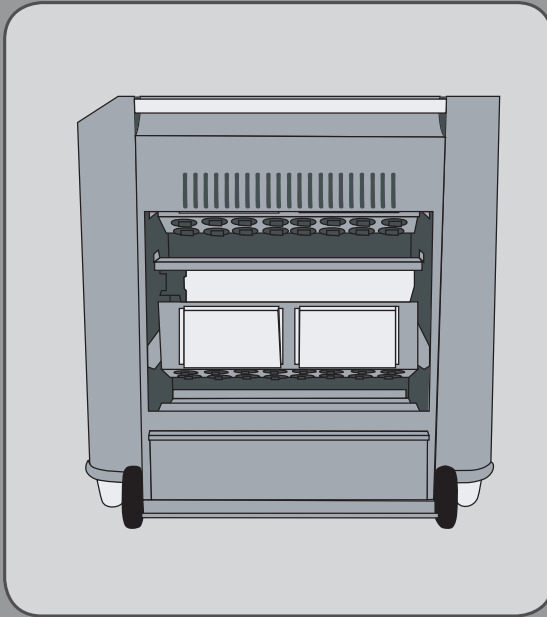
FEATURES



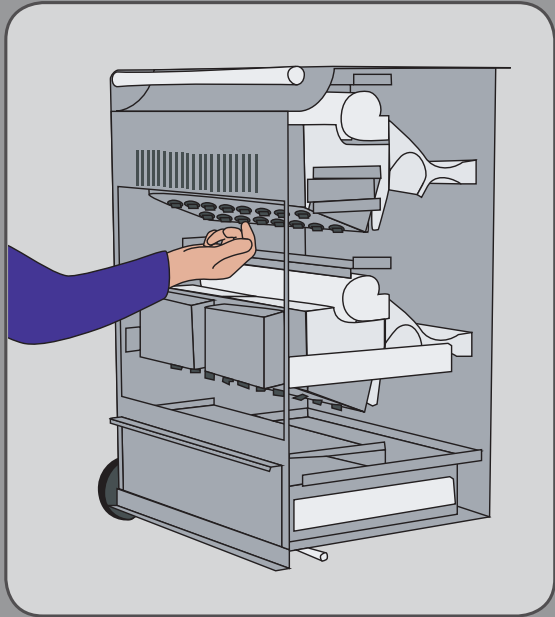
TRANSDUCERS



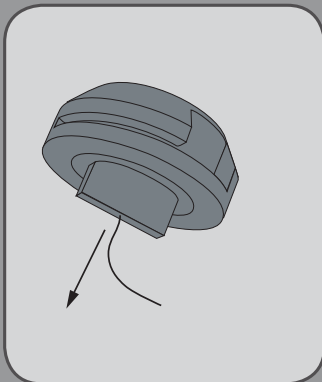
How to change transducers



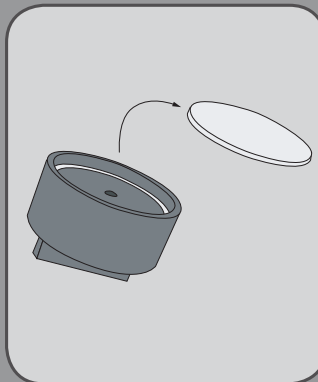
Open the door at the back of the machine



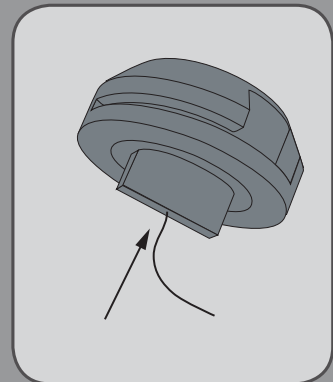
Take hold of the transducers underneath the tank, and twist it around to pull it out.



Pull the parts apart



Change the metal plate

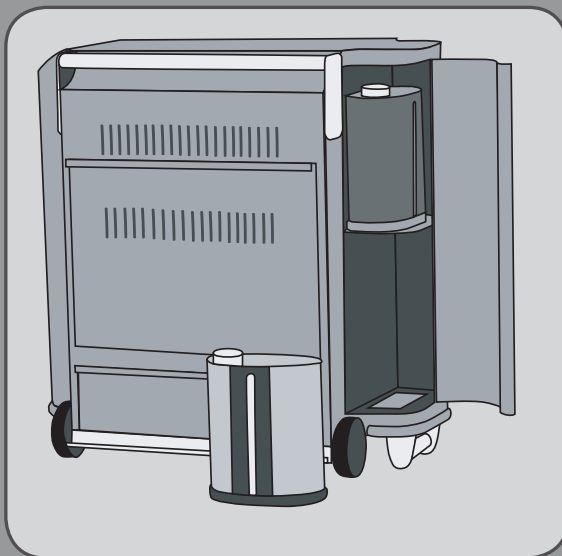


Push the parts back together and put it back in place

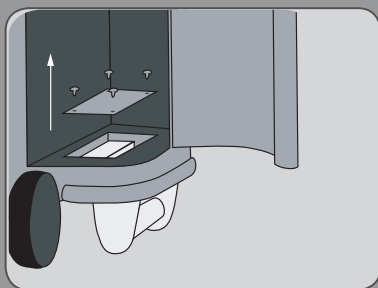
HINS - LIGHT



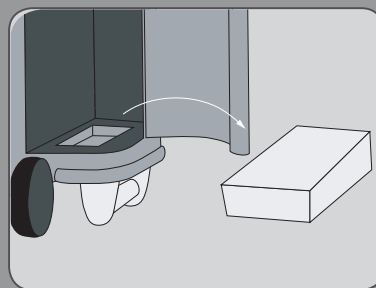
How to change the HINS - light



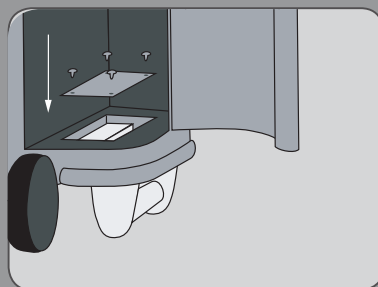
Take the sump tank out of the machine



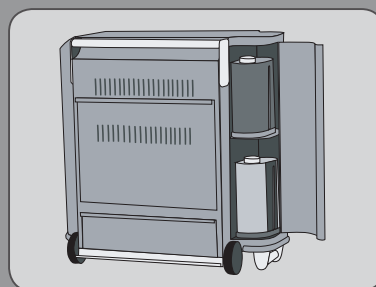
Unscrew the plat at the bottom of the cabin



Take out the light and replace it



Screw the plate back in the cabin



Place the sump tank in the machine

LIST OF REFERENCE

Page 4:

Introduction

http://www.martin.com/general/history_popup_english.asp

Happy factory, Frederikshavn

http://www.aa-a.dk/Files/Dk/Images/im11-01096-martin_i_fredrikshavn.jpg

Page 6:

Ballet -
edited picture

<http://www.mycompanion.cz/en/news-reports/swan-lake-swan-lake-ranks-among->

Green Day concert -
edited picture

<http://cupoojen.deviantart.com/art/GREEN-DAY-concert-live-Peru-184258384>

Page 7:

Opera

http://66.227.70.231/press_photos/traviata/Traviata_OperaColorado.jpg

Harry Potter

<http://images5.fanpop.com/image/photos/24700000/Harry-Potter-and-the-Goblet-Of-Fire-harry-james-potter-24737200-1024-768.jpg>



This project is a master thesis made in collaboration with Martin Professional. The task is to develop a new hazer (a smoke machine). The product report is the second of two reports, and present the final product. There is showed where the product would be suitable, and given a presentation of the design and use. Specific information about the development process, and further information about the product, is written in the process report.