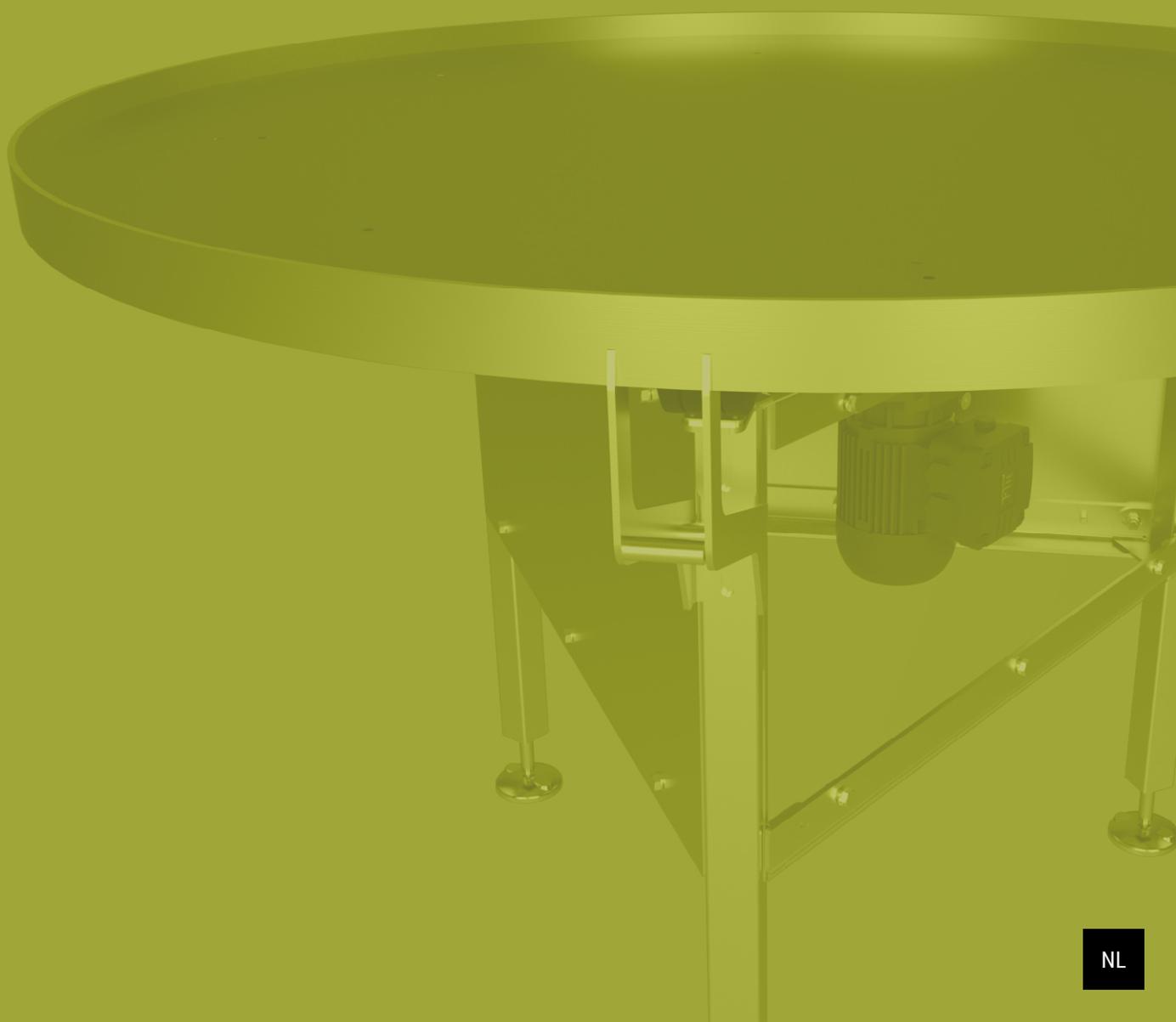
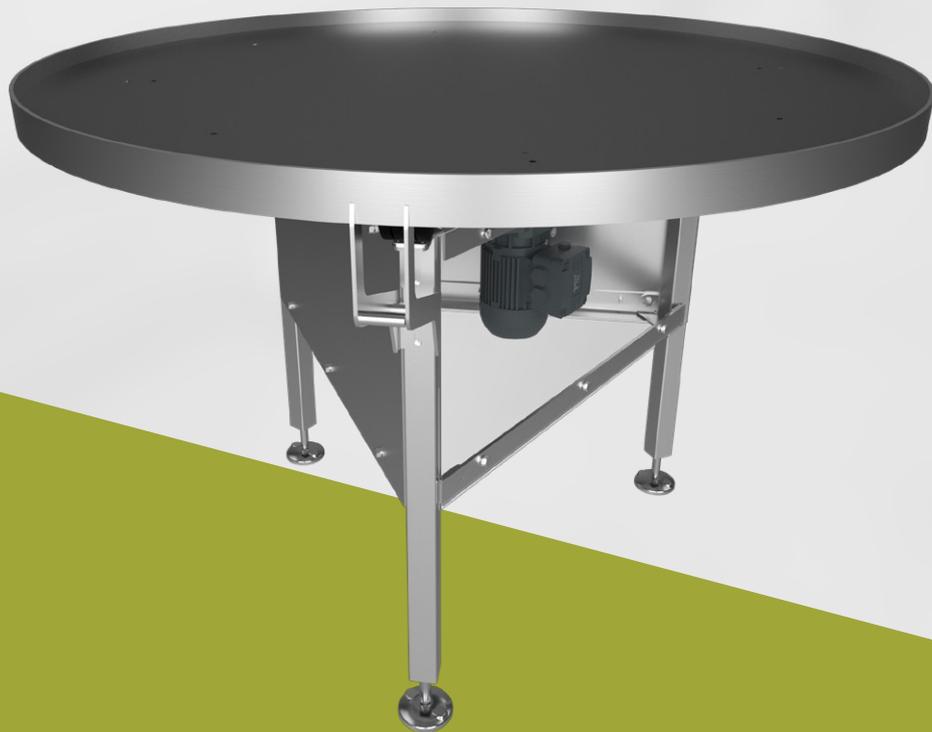


TURNTABLE

DT-1000.INOX/ALU
DT-1200.INOX/ALU
DT-1500.INOX/ALU

USER MANUAL





FOREWORD

This manual was drawn up by FT Solutions bvba and is intended to help you operate the turntable as safely and effectively as possible. It is strongly recommended that you read this manual carefully before using the turntable. We hope that this manual will make the usage, maintenance and continued operation of the turntable as easy as possible.

This manual complies with the Machinery Directive and NEN 5509. Certain parts of this manual are not directly related to the CE marking, but they have been included in this document nonetheless, as they contain useful information.

Latest revision: 01/2019

This is a translation of the original Dutch manual

TABLE OF CONTENTS

1	PRODUCT DESCRIPTION.....	4
2	SAFETY.....	5
	2.1 INTRODUCTION.....	5
	2.2 MAIN SAFETY RISKS.....	5
	2.3 PRECAUTIONARY MEASURES.....	5
3	TRANSPORT AND STORAGE.....	6
4	OPERATION.....	7
5	MAINTENANCE.....	8
6	MALFUNCTIONS AND REPAIRS.....	9
7	SPARE PARTS.....	10

1 PRODUCT DESCRIPTION

The stainless-steel turntable is used to buffer products at the end of a production process. In some cases, they are installed at the front of a production line to feed jars, boxes, etc. to a filling line.

The standard dimensions of the turntable are 800, 1000, 1200, 1500 and 2000mm.

The dimensions (width and length) are highly dependent on;

- The application
- The product type
- Customer specifications

INTENDED USE

All separate components are intended to work as a single machine and the CE declaration applies only to the machine when used as a whole. The turntable is only intended for buffering products. The turntable was specially developed to buffer products with specific dimensions and weight.

The turntable may only be assembled and installed inside, where it is protected against the elements. The intended use also consists of reading the manual carefully, especially the safety instructions.

If the turntable is not used as it is intended, safe and reliable use cannot be guaranteed.

The user and/or installer, not the manufacturer of the turntable, is responsible for any injury or damage resulting from improper use.

2 SAFETY

2.1 INTRODUCTION

This chapter addresses all safety aspects of the turntable. The main safety risks that emerged from the risk assessment are listed in §2.2. Based on the risk assessment, the turntable has been equipped with a number of safeguards, which will be addressed in §2.3.



WARNING! Never jeopardise your own safety or that of others when working with this machine!

2.2 MAIN SAFETY RISKS

The turntable is made of various machine components and consists of moving parts.

The main risks when using the turntable are the following:

- Bruising through contact with protruding parts;
- Transitions to and from the turntable (if applicable) can be a finger or hand injury hazard.

2.3 PRECAUTIONARY MEASURES

The person using/operating the turntable must observe the following safety precautions;

- He or she must have read this manual, especially the safety instructions. Make sure to pay careful attention to the warnings in this manual.
- Only use the turntable for its intended use.
- A copy of this manual must always be available on location.
- The turntable may only be operated and serviced by qualified, authorised personnel.
- Before carrying out maintenance or repairs, make sure to turn off the main switch or unplug the turntable.
- Perform all operations in a controlled, deliberate and calm manner.

3 TRANSPORT AND STORAGE

When lifting the turntable, pay careful attention to its centre of gravity. Improper transport may result in damage that can impede the functioning of the turntable.

Make sure that the turntable is in a clean, dry environment at room temperature (approx. 20°C).



WARNING! Make sure to unplug the turntable and put the power cord and plug on top of the turntable when moving the machine.

4 OPERATION

The turntable is very easy to operate, depending primarily on the type of switch connected to the engine. The maintenance switch with engine protection is addressed in section 4.1.

Make sure that you only use the turntable for its intended use, see section 1.1.



WARNING! Before starting and operating the turntable, make sure that you have read the safety instructions specified in chapter 2 of this manual.

MAINTENANCE SWITCH WITH ENGINE PROTECTION

There are two versions of the maintenance switch with engine protection. If the turntable is connected to the controls of a larger system, the rotary switch is black. If the turntable is used as a stand-alone unit, the rotary switch is red. In the latter case, a plug is also fitted to the power cord.

Operation:

- Insert the plug in the power socket.
- Turn the switch to the “on” position.
- The turntable will start to rotate at an adjustable speed.



5 MAINTENANCE

The turntable must be checked for proper operation at regular intervals. Depending on the size of the turntable and the weight of the products it processes, it is wise to carry out maintenance at intervals of anywhere between 500 to 1000 hours of operation.

Ensuring that the turntable is maintained properly is valuable, because it prolongs the lifespan of the turntable and significantly reduces its chances of malfunctioning.

Maintenance

activities:

- The entire turntable must be cleaned. Please note that electrical parts must not be wet or moist after cleaning.
- Only use cleaning agents with a pH value between 5.0 and 8.0.
- Check the turntable for damage (at the connection point).
- Check whether all moving parts are functioning properly.

Cleaning the turntable:

- Remove dust and dirt from the machine every week.
- Clean thoroughly twice a year.

REDUCTION DRIVE OIL CHANGE

Typically, FT Solutions opt for a Motovario HW030. This drive will never require an oil change, as it comes with a lifetime supply of oil.

If you have a drive other than the Motovario HW030, make sure to check the oil level of the reduction drive(s) frequently and top up with the appropriate lubricating oil. Make sure to change the lubricating oil after every 10,000 hours of operation or every two years. When using synthetic oil, an oil change after every 20,000 hours of operation or after every four years will be sufficient.

6 MALFUNCTIONS AND REPAIRS

This is a user-friendly system that does not malfunction often. If the system does malfunction, however, please consult the table below for solutions to various common issues. If you cannot find the malfunction in question in the table or if you cannot solve the problem, please contact FT Solutions and explain the problem as carefully as possible.



WARNING! Make sure that you have read the safety instructions in chapter 2 of this manual before examining or trying to resolve any problems with the turntable.

ISSUE	SOLUTION
<p>Turntable does not start</p>	<ul style="list-style-type: none"> • Check that the plug is in the socket
<p>Turntable does not rotate</p>	
<p>Engine is not running</p>	<ul style="list-style-type: none"> • The engine is probably defective. Please contact FT solutions
<p>The turntable is not moving or is not moving fast enough</p>	<ul style="list-style-type: none"> • There is too much weight on the turntable. • The speed of the turntable is too low. • The engine has not been connected properly (Star/Triangle) • The bearings are damaged.

7 SPARE PARTS

Due to the robust construction and high quality, the turntable has high operational reliability. The turntable is made of SS 304/316 parts manufactured by FT Solutions. If necessary, you can order any parts for this system from FT Solutions

All other parts were made (or supplied) in accordance to FT Solutions specifications and are recorded in detail in the Technical Construction Dossier. These parts can also be ordered from FT Solutions.

Spare parts are mainly parts subject to wear & tear.

If the spare parts are not in stock, we will produce them as soon as possible or look for an alternative.

FT Solutions bvba pursues a policy of continuous innovation and, therefore, reserves the right at all times to make changes to technical illustrations and data in this user manual for the purpose of improvement of our products.

Duplication of this user manual is only allowed for internal use. Distribution to third parties is not allowed. A digital version of this user manual is also available.



The solution for your internal transport needs

FT Solutions BVBA
Dynamicalaan 13
2610 Wilrijk

 +32 3 458 43 81

 +32 3 458 02 82

 info@ftsolutions.be

 www.ftsolutions.be