

WASHING & DRYING of 3D GLASSES

The core of Kooptech® System is the **Kooptech® WD Washer-Dryer** for 3D glasses equipped with **patented** function of **fast low-temperature drying**.

- **Fast, reliable washing & drying, at low temperature**
- Duration of full cycle:
washing + drying = approx. 4.5 min
- **More than 13 cycles per hour**
- 3D glasses are loaded into a Washer-Dryer in **Kooptech® 3D glasses Baskets**
- **Kooptech® WD Washer-Dryer** can be used various types of 3D glasses

IMAX® REAL D

DOLBY 3D **XPAND™**
V I S I O N

VOLFONI®
CREATIVE 3D TECHNOLOGY

masterImage
ABSOLUTELY 3D

INFITEC

- **Certificates**



- **Specification**

Nominal supply voltage US*	3-phase 208 VAC (±10%), 60Hz
Nominal supply voltage EU*	3-phase 400 VAC (±10%), 50Hz
Connection power	8.9 kW
Actual energy consumption	7.85 kWh
Sound level	< 70 dB (A)

*other supply voltage versions available upon request



- **External dimensions and weight:**

width	750 mm	(29.5")
depth	1100 mm	(43.3")
height	1450 mm	(57.1")
weight	180 kg	(397 lbs.)

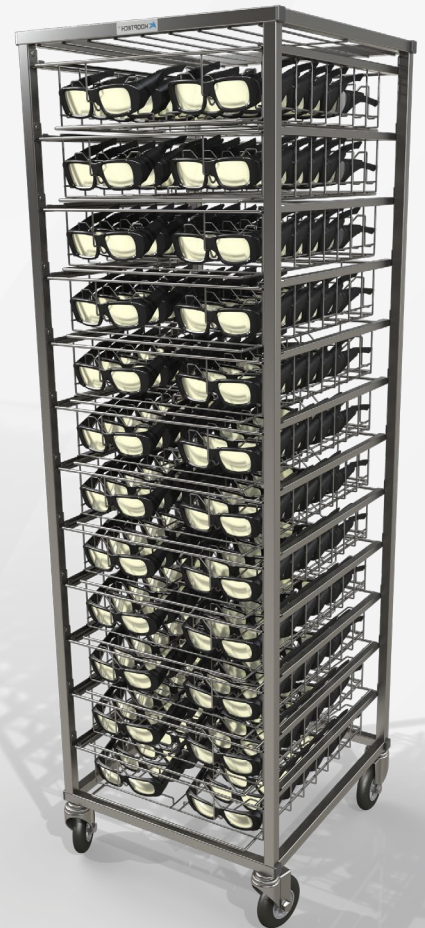
Water source efficiency	min. 2500 l/h	(660.4 gal./h)
Water source pressure	min. 3.0 bar	(43.5 psig)
Actual water consumption	13.5 l/cycle	(3.6 gal./cycle)
Washing Detergent consumption	12 ml/cycle	(0.4 oz./cycle)
Rinse Aid consumption	6 ml/cycle	(0.2 oz./cycle)

STORAGE & TRANSPORTATION of 3D GLASSES

The part of Kooptech® System are **Baskets for 3D glasses** and **basket Trolleys**. It is an easy and convenient form of collection, transportation and distribution of 3D glasses.

- Each Trolley stores up to 12 removable Baskets for 3D glasses
- External dimensions and weight:

width	470 mm	(18.5")
depth	520 mm	(20.5")
height	1530 mm	(60.2")
weight	35 kg	(77 lbs.)
- 2 Baskets filled with 3D glasses can be directly transferred to Kooptech® Washer-Dryer
- A dedicated **Cover for 3D baskets** is used to hold 3D glasses in the Basket while it is being washed in Kooptech® Washer-Dryer



CLEANING AGENTS for 3D GLASSES

Crucial component of efficient, reliable washing is a proper cleaning solution. Kooptech® developed **Washing Detergent** and **Rinse Aid** safe for 3D glasses with excellent cleaning properties activated in **low temperature**.

- **Washing Detergent** is activated in low-temperature
- **Rinse Aid** enables efficient rinsing and drying **without any spots left on the surface** of the 3D glasses
- Kooptech® **Washing Detergent** and **Rinse Aid** are the only cleaning agents on the market design specifically for cleaning of 3D glasses
- **Both Washing Detergent and Rinse Aid** are safe for transportation
- A set of Washing Detergent (10l) and Rinse Aid (5l) lasts for approx. 830 washing & drying cycles



WHY KOOPTECH® SYSTEM?

3D GLASSES WASHING

Kooptech® WD Washer-Dryer for 3D glasses	Gastronomic dishwasher
Low and predictable costs	Costs impossible to predict
Cleaning liquid reaches whole surface of 3D glasses thanks to spin washing	Washing effectiveness depends on amount of baskets filled with 3D glasses, placed by the operator inside the dishwasher
Washing effectiveness does NOT depend on the operator	Washing effectiveness fully depends on the operator
Cleaning agents, activated in low temperature, designed specifically for cleaning 3D glasses – safe for eyewear and for the Washer-Dryer itself	Cleaning solution is more aggressive for eyewear, very often activated in higher temperature which causes progressive damage to 3D glasses

3D GLASSES DRYING

Kooptech® WD Washer-Dryer for 3D glasses		Other solutions	
Drying of 3D glasses relies on: <ul style="list-style-type: none"> centrifugal removal of water from the 3D glasses surface after washing low temperature drying process 	<ul style="list-style-type: none"> + very low cost of drying 3D glasses + no mechanical damage of lenses (scratches, tarnish) + short drying time + no temperature damage + repeatability of the process 	Hot air drying	<ul style="list-style-type: none"> - high cost - constant accumulation of chemicals on lenses surface causes formation of permanent stains and spots - temperature and mechanical damage of lenses - high cost of restoring glasses stock
		Hand wiping	<ul style="list-style-type: none"> - high cost - mechanical damage of lenses - high cost of restoring 3D glasses stock
		Leaving 3D glasses 'to dry themselves'	<ul style="list-style-type: none"> - constant accumulation of chemicals on lenses surface causes formation of permanent stains and spots

3D GLASSES STORAGE AND PROTECTION

Kooptech® Trolley and Baskets for 3D glasses		Other solutions	
Separation of 3D glasses	+ lenses protected from damages	No separation of 3D glasses	- damaged, scratched lenses
Cleaned pieces are not touched by operator	+ patrons always get clean 3D glasses	Everything depends on operator	- fingerprints on lenses

All our products are manufactured in European Union.

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