SWEDISH INNOVATION, QUALITY & DESIGN

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Pure performance by Granuldisk®

Lean Wash Center®

GRANULDISK®

BELIM INDUSTRIES LTD
PREMIUM PARTNER
FOR BALKAN REGION

X2 Universal washing solution
for cookware & dishware

Prep, cook, serve – wash!

X2 Lean Wash Center® washes all your dirty dishes from prep, cook and serve in one slim solution, making your operation more fluent, efficient, and profitable.

Superior efficiency

X2 Lean Wash Center® - the versatile solution that washes your dirty pots, pans, saucepans and utensils, just as easily as your plates, cups, mugs, cutlery, serving trays, or glasses.

+ Quick start-up and refill - minimum waiting time.
+ Dual wash technology - high and low pressure pumps, separate wash arms, and unique cookware baskets.
+ Minimum pre-scraping and scrubbing required. Fast wash cycles ranging from 1 to 6 minutes.

Less cost, more profit

Cut your costs and become more profitable!

+ Minimum pre-washing - no more taps flowing all day long. Saves water, energy, chemicals and labor.
+ Low consumption - only 2 L of water, 0.171 kWh per wash program. Automatic energy saving mode.
+ Optimized maintenance costs through instant access to technical documentation, troubleshooting guides, and maintenance history.

Plug and play

X2 Lean Wash Center® operates with standard 500 x 500 mm baskets. Smooth installation and ready to use in minutes.

+ Minimum options - all is included.
+ Install along wall or in a corner.
+ Compatible with most standard tabling.
+ Adjustable operating panel in eye level and adjustable working height.

As easy as child's play

Simply load your wash basket and slide it in. X2 Lean Wash Center® does the rest!

+ Low entry level - 4 icons for selecting the right wash program, auto clean feature, and QR code access to online training videos.
+ Specially designed baskets for optimized washing of a multitude of cookware.
+ Hands-free hood operation as standard on automatic hood lift version.

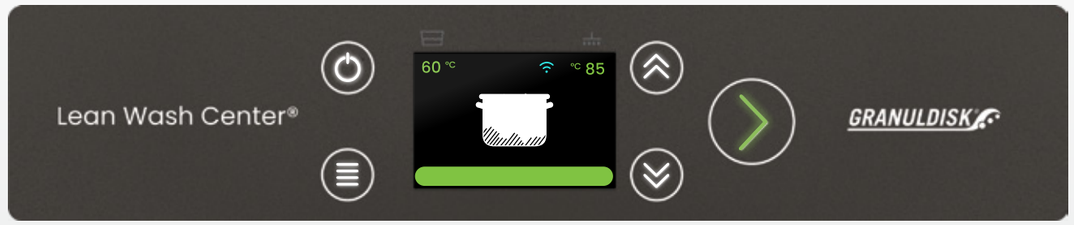
Future-proof

X2 Lean Wash Center® is Industry 4.0 ready. Connect and monitor one or multiple units through the app and secure HACCP traceability and compliance from day one.

+ Realtime collection of HACCP and perfomance data for HACCP compliance and optimization of consumption and maintenance.
+ Lean Wash Center® app for remote access - download free on Google Play or AppStore.

Maximum efficiency versatility

User-friendly interface
X2 Lean Wash Center® is intuitive to use and communicates via icons and info graphics, which eliminates language barriers.



Manual or automatic hood
Choose between manual or automatic hood lift version.

All included
Rear cover plate, double skinned heat and noise insulated hood, drain and discharge pump with water drain up to 800 mm, built-in liquid detergent and rinse aid dispenser with peristaltic pump. No hidden extra costs for you.

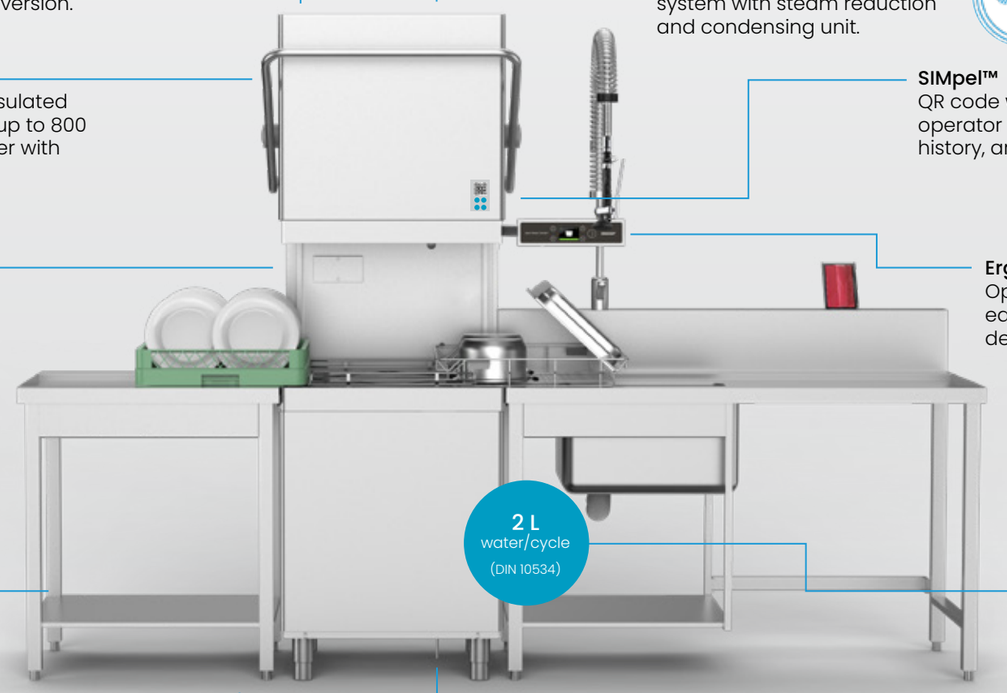
High end wash results
Efficient dual wash system - separate pumps and wash arms - with automatic activation of the right wash mode.

Load pots, pans, and a variety of cookware in the specially designed stainless steel basket to activate the high-pressure pump and keep pre-washing at a minimum.

Load plates, mugs, forks, knifes, and utensils in standard 500 x 500 mm dishwash baskets to activate the dishwash mode.

4 tables, infinite possibilities
Create your optimal setup by combining X2 Lean Wash Center® with smart reversible tables from Granuldisk. Thanks to independent rear splashguards - with or without freestanding hand shower. Adapt and rearrange your setup at any time.

Placing
X2 Lean Wash Center® can be placed along a wall, or in a corner. With the innovative Granuldisk® reversible tabling any configuration is possible.



EcoExchanger®
Optional efficient heat recovery system with steam reduction and condensing unit.

SIMpel™
QR code with online access to operator training videos, servicing history, and troubleshooting guides.

Ergonomics
Operating panel at eye level and within easy reach. Install on left or right side, depending on your preference.

Low consumption, high performance
Low amps - install anywhere, without limitations. Start-up 9 minutes, water-change 5 minutes. Low water consumption - 2 L per program.

Hands-free operation
Foot mechanism for a hands-free and no-touch system is standard for the automatic hood lift version.

Detergent and rinse aid dosing
X2 Lean Wash Center® is prepared for solid and liquid detergent dosing sensor installation.

On site customizations
Personalize temperatures, working height, placing of operating panel, chemical dosing, connect the tables... X2 Lean Wash Center® is built to be fully customizable at any point.

Connected HACCP compliance
The built-in wifi feature allows you to connect any device to collect, edit, and monitor information such as HACCP data, consumption of chemicals and much more.
Download your Lean Wash Center App for smartphone and tablet from Google Play or App Store.

GET IT ON Google Play
Download on the App Store

Reversible tabling

Go to granuldisk.com for more info!

Smart Swedish design makes each table configuration possible. Combine your X2 Lean Wash Center® with easy-to-install tables for a smart, safe, and well-thought out workspace.

Fully reversible
Install right, left, or front! These smart tables with independent rear splashguards are fully reversible, and can easily be rearranged in a new configuration at any point in time. The space underneath offers storing of wash baskets, installation of an undercounter glass washer or water softener. That's smart Swedish design!

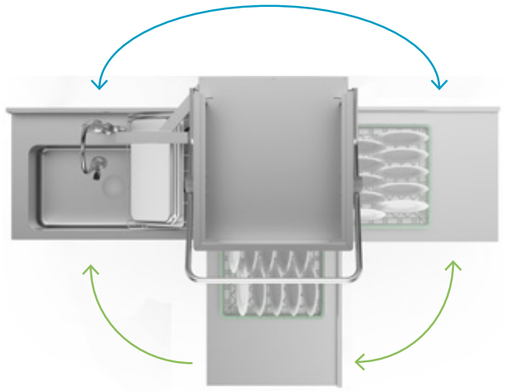
Infinite possibilities
The concept consists of various tables and rear splashguards that can be combined and extended in infinity to create your perfect washing station.

The perfect match
The working height aligns perfectly with X2 Lean Wash Center, and the sliding zone secures easy operation of the cookware and dishware wash baskets.

Adaptable capacity for banqueting
Monday 100 meals, Saturday 400.

By connecting two X2 Lean Wash Center® with the bridge table you can profit from a high productivity pass-through solution, matching that of a tunnel dishwasher. Wash up to 936 dinner plates and 468 serving trays per hour.

During low periods or slow days, use only one X2 Lean Wash Center and save water, energy, and money.



Reversible table
with or without sink
L 760 W 660 H 860/910 mm L 1390 W 660 H 860/910 mm

Rear splashguard
with* or without freestanding handshower
L 760 W 100 H 150/950* mm L 1390 W 100 H 150/950* mm

Bridge table
connects two X2 for banqueting serving
L 760 W 760 mm

Unique wash baskets for any items in prep, cook, serve

Reversible wash basket - optional

Dishware wash mode capacity:
9 x GN 1/1 • 18 x GN 1/2 serving trays max. depth 20 mm.
Cookware wash mode capacity:
18 x GN 1/1 grids • 9 x GN 1/1 lids or chopping board depth 20 mm
• 2 x 600/400/20 mm pastry trays or chopping boards.

Cookware wash basket
1 incl. in standard delivery

Cookware capacity: pots up to Ø 450 H 380 mm or sub-sized • 1 GN 1/1 depth 200 mm and sub-sized • 2 GN 1/1 or 4 GN 1/2 depth 65 mm.

Registered design

Non-electric water softener for hot and cold water

Hard water causes scaling of the heating elements of electrical appliances, and leads to both over-consumption of electricity and increased maintenance costs.

Scaling will also impact your productivity significantly, as X2 Lean Wash Center® will run a high risk of loss of performance, and in worst case break down.

With this innovative and compact non-electric water softener, you no longer have to worry. Simply connect to water inlet temperature of 2-65 °C.

Easy upkeep
8 kg salt. Check level weekly, refill when needed.

Specification and technical details

Productivity	
Start-up time (fill and heat)	9 min. (water inlet 55 °C)
Water-change (drain, refill, reheat)	5 min. (water inlet 55 °C)
Consumption per wash program	Water: 2 L • Electricity: 0.171 kWh
Wash modes (automatic activation)	High pressure mode for cookware or low pressure mode for dishware and glassware.
Wash programs	Cookware 3 min. • Carbonized cookware 6 min. • Glassware 1 min. • Dishware and utensils 2 min.
Cookware wash basket capacity	Pots up to Ø 450 H 380 mm or sub sized • 1 GN 1/1 depth 200 mm or sub-sized • 2 GN 1/1 or 4 GN 1/2 depth 65 mm
Reversible wash basket capacity	18 GN 1/1 grids • 9 GN 1/1 or 18 GN 1/2 lids or chopping board max. depth 20 mm • 2 pastry trays or chopping boards sized 600/400/20 mm • 9 GN 1/1 or 12 GN 1/2 serving trays max. depth 20 mm
Dishware wash basket capacity	18 dinner plates • 12 soup plates max. Ø 240 mm
Glassware wash basket capacity	25 glasses Ø 90 mm • 25 mugs Ø 90 mm
Standard delivery	
Manual hood lift version	Stainless steel ergonomic handle
Automatic hood lift version	Operate hood with hands-free foot mechanism or operating panel • Manual override possible
Operating panel	Right or left side - L 430 mm • At eye level and within easy reach • Waterproof TFT screen display Wash programs symbols
Loading	Standard basket 500 x 500 mm • Usable passing height 405 mm • Working height: 860-910 mm
Construction	Stainless steel • IPX5 • Rear cover plate • Heat and noise insulated double skinned hood Drain and lift up pump up to 800 mm height
SIMpel™	Unique QR for online access to operator training videos, servicing history, and troubleshooting guides
Wifi	Enables: HACCP data collection • Control of washing parameters • Remote access with detection of defective components • Lean Wash Center App is available on Google Play and AppStore.
Additional features	AutoClean program • Energy saving mode if not used for 20 min. • Shut-down timer
Chemicals dosing unit	Liquid detergent and rinse aid dosing dispenser with peristaltic pump • Suction hoses Prepared to detergent dosing sensor installation
Wash tank	30 L stamped tank • 8 kW heater • 4 filters
Rinse tank	12 L • 8 kW heater
Cookware wash technology	2 stainless steel oscillating wash arms driven by motor • Removable without tool • Stainless steel nozzles High pressure pump: 1.5 kW
Dishware & Glassware wash technology	2 stainless steel rotating wash arms driven by water pressure • Removable without tool • Printed nozzles Low pressure pump: 1.1 kW
Rinse technology	2 stainless steel rinse arms • Removable without tool • Printed nozzles • Rinse pump: 0.18 kW
Wash water temperature	Factory setting: 60 °C • Adjustable from 35 °C up to 65 °C
Rinse water temperature	Factory setting: 85 °C • Adjustable from 65°C up to 85 °C
Starter kit	Stainless steel cookware wash basket • PP Dishware wash basket • PP Glassware wash basket
Installation kit	Supply hose 3/4" female • Drain hose Ø 28 mm • 2 m. electric cable.
Factory fitted options	
EcoExchanger®*	Exhaust heat recovery with steam condensing unit • Self-cleaning function • 10°C/25°C water supply Extends wash cycle with 30 sec.
Installation and compliance	
Dimension* and weight	Manual hood lift: H 1950 mm x W 655 + 100 mm handle x D 745+95 mm handle • Weight, gross/net: 178/138 kg Automatic hood lift: H 1950 mm x W 655 + 100 handle mm x D 785+95 mm handle • Weight, gross/net: 190/150 kg
Electrical - standard delivery	380V/400V/415V / 3N~ / 50 Hz • 16 A / 10 kW
Electrical - optional delivery	230V / 3N~ / 50 Hz • 32 A / 10 kW
Water inlet**	55 °C/60 °C • 2-5 bar • < 4 °dH (7 °fH) • 70 PPM • 3/4" female
Drain	Ø 28 mm • 65 °C • Ø 50 L/min.
Heat dissipation	Total: 5.8 kW - Sensible: 2.1 kW - Latent: 3.6 kW - VDI 2052: 600 m^3/h
Heat dissipation with EcoExchanger®	Total: 4.9 kW - Sensible: 2.1 kW - Latent: 2.8 kW - VDI 2052: 450 m^3/h
Sound pressure level (ISO 11203)	< 64 dB(A)
Norms and certification compliance	CE - DIN 10534*** - GS - EN 1717 - RoHS - WEEE

* Optional Eco Exchanger® extends dimensions to H 2125 mm X W 655+100 mm handle x D 785+95 mm handle.
** If cold water supply, duration for start-up, water-change, and wash programs is extended.
*** Factory settings.

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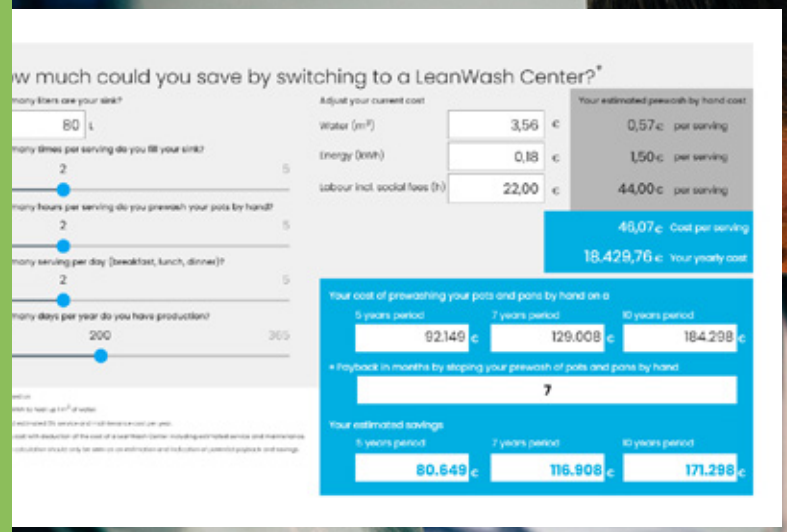
Let us help you build a strong business case!

How would X2 Lean Wash Center® be profitable to you?

Get a detailed business case in 2 minutes and discover your potential savings, calculated with your unique parameters.

The perfect base for a wise decision! Sign up for a free evaluation at granuldisk.com



Flexible financing

Own your product, or sign a Save per Use contract for a care-free and economic solution, in partnership with your local Granuldisk® partner.

Monthly fee includes installation, service, and maintenance.

24 months warranty included

X2 Lean Wash Center® comes with a contractual 24 months warranty.

** The warranty is valid only if annual maintenance has been performed by an authorized Granuldisk service partner.*

Authorized Premium Partner

BELIM INDUSTRIES LTD
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About Granuldisk

Granuldisk was founded in 1987 in Malmö, Sweden, and has since been revolutionizing commercial ware washing by combining premium engineering with high passion for sustainability, to ensure a perfect wash result in just a few minutes without any need to pre-wash by hand.

Granuldisk complies with environmental and quality ISO standards, and is actively working with the UN Sustainable Development Goals.

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