

SWISS INNOVATION

# smixin™

## HANDWASHING SYSTEMS

DON'T WASH YOUR HANDS,  
SMIX THEM.





# WHAT IS SMIXIN.

## JOIN THE HANDWASHING REVOLUTION

SMIXIN stands for Smart Mixing Inside, an innovation from Switzerland. Smixin is committed to improving health and sustainability by developing efficient and economic handwashing systems. We provide a fully automatic handwashing process, accessible to everyone. Our unique touchless handwash solutions deliver the highest standards of sanitation with a minimum of resources: without compromising on user experience. Our patented SMU technology mixes air, soap, and water in an optimal way, leaving the hands clean and soft.

Choose Smixin and become part of the handwashing revolution.



## WHEN HANDWASHING OUTSIDE OF THE WASHROOM IS ESSENTIAL

Everybody knows the feeling of wanting to eat – but having dirty hands. Hand sanitizing before eating is not ideal. Having to go to the toilets to wash your hands, neither. Smixin provides handwashing stations exactly where it is needed.

### Did you know?

Washing your hands before eating a meal is the recommended simple and effective method of infection prevention. When you eat without washing your hands, the bacteria and germs that are left on your fingers and palms can be transferred to the inside of your mouth. This can cause illnesses and infections.

# THE SMART MIXING UNIT.

Originally developed for coffee machines of Nestlé – now the heart of our Smixin systems. The Smart Mixing Unit (SMU) performs a unique emulsion of water, soap and air, that ensures instant hand coverage. This makes washing your hands with Smixin as effective within 12-15 seconds compared to the WHO recommended handwashing cycle of 60 seconds.\*

\*Proven by independent research institute HygCen.



## ONE CYCLE MAKES THE DIFFERENCE



Washing your hands with Smixin takes just around **12 to 15 seconds** and is completely **touch-free**. Two sensors recognize your hands and trigger the fully-automatic handwashing cycle, where the smart mixing unit mixes water, soap, and air to an **all-in-one emulsion** that leaves your hands clean and with an incredibly soothing feeling. After the soap emulsion rinsing **water** is dispensed. The cycle is completed after the **paper** comes out to dry your hands.

# WASHING YOUR HANDS WITH ONLY ONE GLASS OF WATER.

SUSTAINABILITY IS AT THE FOREFRONT OF WHAT WE DO

Smixin guarantees ecological usage of water, soap and paper. Consumption per handwashing cycle is regulated by presetting the parameters. Per handwashing with Smixin, only 0,2 liters of water is used and only 0,3 ml of soap are used per hand wash. This means savings of an astonishing 90% water, 60% soap. Since the paper length is preset - 60% paper is saved compared to a conventional hand towel dispenser.

**0,2 liter \***



\*Average use per Smixin handwashing cycle

## SAVING RESOURCES

1

Only 0,2 liter of water per handwashing cycle

2

Only 0,3 ml of soap per handwashing cycle

3

Only 1 paper towel used per handwashing cycle

4

Less waste due to flexible soap packaging

5

No water heating needed due to mixed-in ambient air



**2 liter\***

\*Average water consumption per conventional handwashing cycle with a standard tap



#### Did you know?

Around 71% of the earth's surface is covered by water. But only 0,3% of all the water on the planet is available in streams, rivers and groundwater for potential use as drinking water.

Clean water is vital. Contaminated drinking water and inadequate sanitation is still a reality in many parts of the globe. Together with the Made Blue Foundation, Smixin is therefore committed to clean water and hygiene for everyone: For every hand washing system installed, Smixin donates 10.000 liters of water to places where water is needed most. This equals guaranteeing 10 children access to fresh water at school for a whole year.

Our partners receive a certificate for being part of the Made Blue partnership. Smixin is about saving water and giving back.

# SMIXIN SETS THE STANDARD.

## QUALITY FIRST

As a leading company for smart and ecological handwashing technology, Smixin is continually redefining the quality standard. We are constantly striving for solutions that protect the one earth that we have. And we have been endorsed over recent years by numerous renowned international environmental awards and certifications in doing so.



Technology Fund

GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION



GLOBAL  
HANDWASHING  
PARTNERSHIP



SWISS MADE 

# SMIXIN COMBI.

## THE FULLY AUTOMATIC HANDWASHING STATION

With the Combi we have developed a unique handwashing system with a 3-in-1 function. Water, soap and paper are automatically dispensed after activation via a precise sensor. Due to the optimal mix of water and soap with air, your hands will feel silky-clean after washing. The Combi is designed to be used inside or outside of the washroom.



MODEL	SMIXIN COMBI	SMIXIN COMBI APDI
ARTICLE CODE	130 AP	130 AD
DIMENSIONS	H719; W384; D363 mm	H719; W384; D363 mm
WEIGHT	13 kg	13 kg
MATERIAL	Stainless steel; PC-ABS	Stainless steel; PC-ABS
CERTIFICATES	CE 	CE 
EXTRA	Example sticker for top available	Video upload via local SD card

## Smixin PREMIUM Mobile

Smixin has developed the Smixin PREMIUM Mobile exactly for those customers who don't have access to freshwater in- and outlet. The PREMIUM is used by a large variety of customers. Schools place the PREMIUM in classrooms where exams are being held, event organizers place them in their VIP areas, and clients who need a little try-out, hire the unit before installing it at the right place. Fill the canister and plug the power supply and the Smixin PREMIUM is ready to go.

For wherever hand hygiene is needed most.



WALLMOUNTING KIT

100 WM

H1322; W384; D389 mm

13 kg + 16 kg

Stainless steel; PC-ABS



Bottomhousing with paper bin and wallbracket



SMIXIN PREMIUM MOBILE

130 MU

H1322; W384; D395 mm

13 kg + 40 kg

Stainless steel; PC-ABS



**Mobile station** with canisters for  
≈ 175 handwashing cycles  
Can be ordered w/ or w/o wheels

# SMIXIN COMPACT.

## SOAP + WATER = THE ULTIMATE MIX

The Compact is an **innovative soap and water dispenser**. It is an extremely ecologic solution that, due to the use of limited resources, is also very attractive with respect to cost savings. With its modern **design** and pre-set process steps, we enforce behavior change among users. As a result, we improve hygiene levels within a certain population, like your company, airport or school. **The Compact fits on any standard sink (retrofit).**

MODEL	SMIXIN COMPACT
ARTICLE CODE	200 A
DIMENSIONS	H327; W131; D213 mm
WEIGHT	4 kg
MATERIAL	Zink Alloy; PC-ABS



### 2-IN-1 FAUCET



#### STEP 1

Place your hands under the sensor



#### STEP 2

Soap your hands: a mix of air, water and soap is dispensed



#### STEP 3

Rinse with air and water

Washing your hands with the Compact takes just around **12 to 15 seconds** and is completely **touch-free**. The sensor recognizes your hands and triggers the fully-automatic handwashing cycle, where the smart mixing unit mixes water, soap, and air to an **all-in-one emulsion** that leaves your hands clean and with an incredibly soothing feeling. After the soap emulsion rinsing **water** is dispensed.





# SMIXIN COMFORT.

## THE LOW FLOW FAUCET

**Timeless** design and modern technology go hand in hand within the Smixin Comfort. The precise infra-red sensor ensures comfortable control of the water flow. And with its classic-modern design, the faucet fits effortlessly into any washroom. This **water-only** solution has been developed to complete the range of Smixin solutions that save 90% of water per handwashing cycle.

MODEL	SMIXIN COMFORT
ARTICLE CODE	300 B / 300 PS
DIMENSIONS	H327; W131; D213 mm
WEIGHT	1 kg
MATERIAL	Zinc Nickel-Chrome; PC-ABS

### Did you know?

The Comfort is available on battery (50-60Hz) and on standard power supply (100-240 V AC).



### **Did you know?**

Human hands are unique. No other creature in the world has hands that can grasp, hold, move, and manipulate objects like human hands. And touch – that feeling when you touch something or somebody for the first time. The subconscious impression you receive from a hand shake. Your grandmother's hands – wrinkly and with the veins clearly visible. The human hand can grip with strength and maneuvered with fine control, so it can throw a baseball but also sign a name on the dotted line. We need to take good care of these hands.

# WHY WASHING HANDS IS IMPORTANT.

## SHOW ME THE SCIENCE

Washing hands with soap and water is the preferred hand hygiene method recommended by ministries of health around the globe and the World Health Organization. Keeping hands clean is one of the most important steps we can take to avoid getting sick and spreading germs to others.

1

**Handwashing with soap removes germs from hands.** This helps prevent infections because people frequently touch their eyes, nose, and mouth without even realizing it. Germs can get into the body through the eyes, nose and mouth and make us sick. \*

2

**Soap and water are more effective than hand sanitizers** at removing certain kinds of germs, like *Cryptosporidium*, norovirus, and *Clostridium difficile*.\*

3

**Handwashing is one of the key cornerstones of COVID-19 prevention.** Hand hygiene needs to become an integral part of our daily routine and our lives, as we live through this pandemic, and beyond, to protect us from diseases,' said Dr. Poonam Khetrpal Singh, Regional Director, WHO South-East Asia Region. \*\*

4

**Handwashing helps communities stay healthy:**

- Reduces the number of people who get sick with diarrhea by 23-40%\*
- Reduces diarrheal illness in people with weakened immune systems by 58%\*
- Reduces respiratory illnesses, like colds, in the general population by 16-21%\*
- Reduces absenteeism due to gastrointestinal illness in schoolchildren by 29-57%\*

\*USA Governmental Centers for Disease Control and Prevention; <https://www.cdc.gov/handwashing/why-handwashing.html>

\*\*World Health Organization; <https://www.who.int/southeastasia/news/detail/15-10-2020-handwashing-an-effective-tool-to-prevent-covid-19-other-diseases>

# FACTS COUNT.

## WHY OUR CUSTOMERS CHOOSE SMIXIN

- ✓ Hand hygiene exactly where it is needed: outside the washroom
- ✓ 90% water savings per handwashing cycle
- ✓ 60% soap savings per handwashing cycle
- ✓ 60% paper savings per handwashing cycle
- ✓ CO2 reduction due to no water heating
- ✓ Worldwide patented system and design
- ✓ Durable materials like stainless steel
- ✓ Easy to install
- ✓ Passionate and friendly staff for all round service
- ✓ Made Blue partnership to organise drinking water for everybody
- ✓ Leasing options available
- ✓ Swiss Quality
- ✓ Low in maintenance; one soap pouch has 5000 cycles

# SMIXIN TECHNOPACK.

## NOT JUST A SOAP PACKAGE

**Outstanding soap detergent and high-tech packaging to ensure ultimate hygiene and extremely low labor intensity? That is our TechnoPack.**

The TechnoPack is not merely a soap packaging. It is an in-house developed soap module with the SMU technology integrated. The packs are designed to fit seamlessly inside the Compact and Combi. The plastic that we selected is composed so that it can endure time, handling and different conditions.

The Compact pouch (1,25L) offers you over 4000 cycles per pouch, the Combi pouch (1,5L) corresponds to 5000 handwashing cycles. This means that the cleaning team does not have to think about cleaning, checking or changing the soap for a looong time.

### Did you know?

**With the TechnoPack, Smixin reaches outstanding hand hygiene in just 12 - 15 seconds\***

\* Tested and confirmed by an independent testing institute. Handwashing for 15 seconds with our Smixin systems reaches the same hand hygiene results as those achieved when handwashing for 60 seconds with regular foam soap as per the WHO / RKI / ECDC guideline.



### ProCare

- Back of the house
- Mild and eco active
- Concentrated
- Quality ingredients, Aloe Vera
- Without parabens, eco friendly, animal free
- EU Ecolabel and Aha! Allergy label



### CherryCare

- Front of the house
- Cherry Blossom fragrance
- Concentrated
- Quality ingredients, Provitamin B5, Aloe Vera
- Paraben and animal free



**Red Cross  
GERMANY**



**Sint Jacob Kliniek  
NETHERLANDS**



**Horse Jumping Show  
FRANCE**



**Dubai Healthcare Centre  
DUBAI**



**Swiss Economic Forum  
SWITZERLAND**



**Torapetrol Cantine  
TURKEY**



**Carnival Cruiselines  
OPEN SEA**

# YOU ARE IN GOOD COMPANY.

## REFERENCE CASES



**McDonalds  
INDIA**



**Public Middle School  
SINGAPORE**



**World Health Organization  
PHILIPPINES**



**ShakeShack  
SOUTH KOREA**



**KFC  
HONG KONG**



**Ruby Tuesday  
CHINA**



**Courtyard by Marriott Hotels  
TAIWAN**

**SMIXIN Handwashing Stations** are widely in use by many different industries. Smixin cooperates with international brands such as **McDonald's**, **Virgin**, **ShakeShack**, **KFC**, **Marriott**, **Ruby Tuesday**, **Firmenich** and **CWS** – but also healthcare centers, transportation hubs, schools and governmental buildings. Our customers value the positive environmental impact and great water, soap, and paper savings. To have a handwashing station directly available where it is needed: outside the washroom, enhances the customer experience. The impressive results in terms of hygiene make them take the final step.

