

# **CLEANROOM BROCHURE**

# **ABOUT US**

Since 1995, Kitten® has offered solutions for purity to the food and beverage, pharma, medical, chemical and electronics industries. Based in India, Kitten® provides innovative and cost-effective products for companies that need to compete in the aggressive global market.

We manufacture cleanroom accessories, reusable garments, sterile packaging and critical cleaning products under our own brand: SteriUNO. All products are designed to reach maximum purity standards at the highest quality requirements. Our quality system is certified to ISO-9001:2015. We listen to our customers' needs and strive to satisfy every requirement with every order.

Browse through our catalogue to explore how Kitten® can be your global partner for purity!



# PRODUCTS

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Our mission is to provide innovative solutions to protect your process, your product and your operator

Our vision is to manufacture and sell products that meet and exceed the highest global standards

Vision

# Values

**Commitment:** Customer satisfaction with superior quality, innovative technology and exceptional service

**Ethics:** Integrity and honesty guide our work in every step of the way

**Respect:** Inclusive workspace, environmentally-conscious practices and safety above all

# **Industries We Serve**



#### **Pharmaceutical**

API filtration, carbon removal, sterilization, vent filtration, bioburden control



## Food & Beverage

Spirits, beer, wine, drinking water, juices, soft drinks, edible oil, syrups



#### **Automotive**

DI water prefiltration, chassis cleaning, E-coat filtration, topcoat filtration



Oil & Gas

Refinery process fluids, gas treatment, catalyst recovery, off-shore water injection, amine filtration



#### Chemical

Paints & inks, solvent recovery, clarification, waste water purification, carbon removal



### **Industrial Processes**

Rolling lubrificants, pulp production, machining coolants, parts washing, wax and resin clarification

# Certification

Kitten has worked hard over the years to improve the quality of our products, our business practices and our company structure.

Our quality standard in our manufacturing facility is certified to ISO-9001:2015. We are also certified to affix the C€ marking for the European Community on our products.

With these achievements, we have become a reliable supplier for many high value companies the world round.





ISO 9001:2015

# Customers



























































































# **Garments**





#### **Reusable Garment Set**

- Coverall, hood and booties
- Fully autoclavable
- Antistatic
- Made with 1 or 2% carbon thread



## **Reusable Undergarments**

- Shirt and pants set
- Fully autoclavable
- Excellent durability
- 100% polyester



# **Disposable Microporous**

- Made from polypropylene laminated with microporous film
- Great breathability
- Incredible comfort
- Sterile or non-sterile



# **Disposable SMS**

- Made from multi-layered non-woven SMS
- Lightweight
- Low cost alternative
- Sterile or non-sterile

# Accessories





## **Autoclavable Goggles**

- Adjustable and autoclavable strap
- 100% autoclavable
- Exceptional comfort
- Polycarbonate lens



#### **Face Mask**

- Hypoallergenic
- Made from spunbond polypropylene
- Coated metal strip at nose to secure mask
- Silicon-free and non-particulating loop



### **Sticky Mats**

- Great contamination control
- Strong adhesive coating
- Anti-microbial properties
- Ideal for entryways and traffic areas



# **Sticky Rollers**

- Efficiently cleans hard-to-reach areas
- Strong, non-toxic adhesive coating
- Easy sheet removal
- Adhesive treated with antimicrobial agent

# **Stationery**





## **Autoclavable Paper**

- Ideal for use in critical environments
- Ultra-low particle, extractable and metallic ion content
- No organic fillers



#### **Sterile Pens**

- Ideal for critical environments
- Chemical resistant
- Low particle generation
- ISO Class 4 to 10 (Grade A) compatible



#### **Sterile Markers**

- Ideal for critical environments
- ISO Class 4 to 10 (Grade A) compatible
- Permanent ink that does not smear
- Write on glass, metal, plastic, porcelain





# **SS Clipboard**

- Made from top-quality stainless steel
- Heavy duty
- Ideal for cleanroom environments
- Autoclavable

# **Shoes**





#### **Autoclavable & Antistatic**

- Anti-slip and ergonomic
- Anti-puncture and fluid protected
- Non-flammable
- High durability

# ANNO



#### **Washable ANR**

- Anti-slip and ergonomic
- Anti-puncture and fluid protected
- Extra resistant
- Reinforced ankles



# **Autoclavable Clogs**

- Autoclavable and antistatic
- Textured silicone insoles
- Adjustable safety straps
- Anti-slip and ergonomic





# **Washable Clogs**

- Adjustable safety strap
- Textured silicone insoles
- Rubber outsoles for better grip
- Ergonomic and available in different patterns

# Construction



# **UltraTape**



## **Cleanroom Tape**

- Particle and residue-free
- Chemical resistant
- Durable backing
- Bright colors for floor marking

#### STERITOOL



#### **SS Tools**

- Low risk of process contamination
- No particulate generation
- Fully autoclavable
- Incredible long life

#### TECHLITE



## **Insulation System**

- Ideal for critical environments
- Cleanroom Certified (Class 100)
- Easy to clean and maintain
- Flexible open-cell melamine insulation

# **UltraTape**

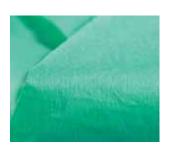


# **Barrier Tape**

- Non-adhesive caution tape
- Made from polyethylene on plastic cores
- For sectioning-off dangerous areas
- Easy-to-read letters

# **Packaging**





## **Crepe**

- Strong bacterial barrier
- Incredible mechanical strength
- Excellent drapability
- High resistance to water and humidity



#### **Non-woven SMMMS**

- Advanced and strong bacteria barrier
- High resistance to liquids
- Antistatic
- Incredible mechanical strength



#### **Flat Pouches & Reels**

- High-performance Sterile Barrier System for Steam and EO
- Very cost-effective
- Easy and aseptic opening





#### **BOP Flat Pouces & Reels**

- High-performance Sterile Barrier System for Steam, EO and Formaldehyde
- Excellent peelability
- Intrafilm printing

# Sealing Machines





#### hm 450 AS

- Economical impulse bar sealer
- Made from 304 stainless steel
- Low material consumption
- Constant contact pressure



#### hd 650 D

- Microprocessor-controlled band sealer
- Easy to operate
- Constant contact pressure
- Constant sealing speed



#### hm 850 DC-V

- Microprocessor-controlled rotary sealer
- Integrated printer
- Keyboard functions display
- Automatically monitored parameters



#### hm 950 DC-V NanoPak

- Microprocessor-controlled rotary sealer
- Integrated printer
- Touch screen
- Data transfering on USB-Stick

# Biological Indicators





#### **Self-Contained for Steam and EO**

- Fast, visible, reliable and consistent results
- Reduced incubation: 24 h (Steam), 48 h (E0)
- No aseptic transfer
- Simply depress the cap to activate



### **Spore Ampoules**

- Fast, visible, reliable and consistent results
- Reduced incubation period of 48 h
- No aseptic transfer or activation
- Simply remove the ampoule and allow to cool



#### **Spore Suspensions**

- Fast, visible, reliable and consistent results
- Used where a Spore Strip cannot be used
- Allow for direct inoculation onto samples for sterility, bioburden and bacteriostasis



# **Spore Strips**

- Inoculated paper strip in glassine envelopes for Steam, EO,
   Radiation and Dry Heat
- Consistent strip-to-strip results for population, purity and resistance

# Chemical Indicators





## **Autoclavable Tapes**

- Consistent and irreversible color change
- Permanent pressure-sensitive adhesive
- Adhere on paper, plastic, glass and metal
- For closing packages and instrument wraps



#### **Dots, METO Labels and Squares**

- Consistent and irreversible color change
- Immediate visually distinct positive result
- Permanent pressure-sensitive adhesive
- Adhere to paper, plastic, glass and metal



#### **Strips**

- Consistent and irreversible color change
- Immediate visually distinct positive result
- Distinguish processed and unprocessed
- Used as a strip or label for record keeping



# **Integrators & Emulators**

- Consistent and irreversible color change
- Immediate visually distinct positive results
- Used as a strip or label for record keeping
- React to all critical variables: time, temperature and moisture

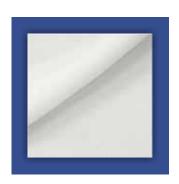
# Wipes & Spray Bottle





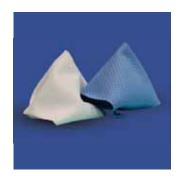
#### **NW-70**

- Spunlace high quality nonwoven wipes
- No chemical binders, low ion values
- High water absorbency
- Good wiping performance
- Very cost effective



#### **POTA-110**

- High water absorption
- Excellent wiping efficiency
- Non-scratching on smooth surfaces
- Soft feel with high abrasion resistance
- Made form 100% polyester textured yarn



#### **POTA-240**

- Autoclavable
- Extra-high water absorption
- Excellent wiping performance
- Non-scratching on smooth surfaces
- Made from a specialized knit fabric





## **Spray Bottle**

- Fully autoclavable
- Ergonomical design
- Unbreakable and durable
- Filter attached to hose bottom prevents impurities to be released

# **Cleaning Systems**





### **Flat Mop Holders**

- Fully autoclavable
- Ergonomic construction
- Soiled mops not touched when discarding
- Lightweight, very easy to move around



## **Mop Covers**

- Autoclavable
- Cushioned construction conforms to uneven surfaces
- High-absorbency capacity
- Laser-cut technology to minimize fiber and particle release



## 25-Liter 2-Bucket System

- Compact design
- Lightweight and easy to maneuver
- Color-coded buckets for easy solution identification
- Fully autoclavable



# SS Multi-Bucket System

- Two or three 27-Liter high-quality SS buckets and cart
- Incredibly lightweight and easy to handle
- Fully autoclavable
- Heavy-duty stainless steel wringer

# **Cleaning Systems**







## **SS Mop Frame**

- Easy to maneuver
- Low-profile design
- Autoclavable @ 250 °C for 30 min





## **Floor and Wall Mopping System**

- Sterilizable
- SS handle and frame
- 7 different mop covers available





# **Bucket-in-Bucket System**

- 36 L bucket
- Mop frame included
- Autoclavable @ 121 °C for 30 min





# SS 3-Bucket System

- Four 18 L SS buckets
- One 8.5 L SS bucket
- Three buckets for fluids
- Two buckets for stowing the mops

# Industrial Cleaning







# **Professional Mopping System**

- Flat mopping system
- Built-in 22 oz tank
- Bucketless cleaning system





## **Hygienic Cleaning Tools**

- Wide range of industrial hygienic tools
- Color-coded
- Ergonomic





# **Enzymatic Liquid Cleaner**

- Rust and stain remover
- SS and glass cleaner
- Medical instruments cleaner





#### **Snake Hand Duster**

- For high-rise, hard to reach areas
- Extremely flexible
- Ideal for dry or wet cleaning

# **Stationery**







## **Waterproof Computer**

- 22" widescreen touchscreen
- Highly durable stainless steel construction
- 100% waterproof





#### **Sterifold Antimicrobial Wall Unit**

- Information display system
- Available in a stainless steel desk stand
- Antimicrobial: no fungi, mould or bacteria





## **Eco Detectapen**

- Best value for money
- Made from polypropylene and solid brass
- Metal and x-ray detectable





#### PRESTO LETTER OPENER

- Protected steel blade
- Unique design
- Quickest letter opener

# Safety Cutters







## **EZ4 Safety Cutter**

- Self-retracting safety knife
- Spring-back blade retracts after cuttings
- Guards move with the blade





# **Level 3 AS100 Safety Knife**

- Heavy duty aluminum handle
- Blade locking mechanism
- Blunted tip blade to prevent punctures





# Fish 200 Original with Hook Blade

- Textured surface for firm grip
- Complete with hook blade
- Removable hook blade cover





#### **Manual Box Cutter**

- Ergonomic handle protects hand
- 3-position manual slicer
- Durable nylon handle

# Rubber Bands





#### **Non-Latex Rubber Bands**

- High synthetic rubber content
- No natural rubber content
- Autoclavable



#### **Non-Latex Antimicrobial Rubber Bands**

- High synthetic rubber content
- Antimicrobial treatment
- Autoclavable



#### **Pallet Bands**

- Economical and easy to use
- Available in 72" to 112" circumference
- Reduce packaging waste



#### X-treme EPDM File Bands

- Non-latex
- Made from synthetic rubber (EPDM)
- Resilient to age, weather, heat, ozone, UV

# Sampling Tools





#### SteriWare ViscoThief

- Ideal for single use cream sampling
- For viscous materials like honey, creams, pastes, thick oils
- Ideal for chemical, food and pharma quality control testing
- Made from FDA and EC compliant HDPE (BSE free)



#### Corer

- Ideal for semi solid materials such as waxes, cheeses, greases
- Made from sterilizable 316L stainless steel (BSE free)
- Discharge rod is included
- Available in one fixed length: 230 mm



#### **MaxiCorer**

- Can be used as a sampler or for dispensing small quantities
- Long curved blade is ideal for use with powders and granules
- Also suitable for semi-solid materials like cheese and greases
- Made from sterilizable 316L stainless steel (BSE free)



# **Viscous Sampler**

- Ideal for sampling creams, shampoos, soaps, honey
- Also suitable for semi viscous material like pastes and gels
- Can be completely dismantled for quick and thorough cleaning
- Made from food grade PTFE, polypropylene or 316 SS

# Sampling Tools





#### **PTFE Dipper**

- Ideal for surface sampling a wide range of liquids
- PTFE construction (FDA and food grade compliant)
- Excellent chemical resistance to most chemicals
- Suitable for use up to 280 °C



## **SteriWare LiquiThief**

- Fast and convenient way of taking liquid samples
- Disposable and simple to use
- No need for cleaning validation and no cleaning
- Widely used to take samples of liquids, thin oils and ointments



# **Utility Dipper**

- Ideal for taking liquid samples from tanks, drums and kegs
- Designed to be very robust and available in 3 sizes
- Can be quickly dismantled for cleaning
- Made from chemically resistant 316L stainless steel



#### **SteriWare Ladle**

- Ideal for surface sampling from liquids
- Individually bagged and available sterile or non-sterile
- Specially designed to go through 2" lid bungs, commonly found on kegs and barrels

# Sampling Tools





### **Sample Containers**

- Ideal for storing and transporting samples
- Translucent bodies allow you to see content before opening
- Made from FDA acceptable polymers: PP (body) and HDPE (lid)
- Suitable for liquids and powders



### **Stainless Containers (1 to 30 Litres)**

- Lid and silicone seal included (food grade and FDA compliant)
- Ideal for powders, creams and liquids
- Made from high quality crevice free 316L stainless steel
- Suitable for use in pharma, chemical and food industries



# **Sterile Liquid & Powder Bottle**

- The perfect bottle for use in laboratory and production
- Wide mouth means it is easy to handle both powders and liquids
- Made from FDA and EC compliant HDPE/PP
- Powder and water tight



#### **PTFE Bottle**

- Ideal for surface sampling a wide range of liquids
- Made from virgin PTFE (FDA and USP Class VI compliant)
- Excellent chemical resistance
- Suitable for use up to 280 °C



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