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TekniMop™
Large Surface Mopping Tools

TekniMop™ Large Surface Mopping Tools are engineered for efficient cleaning of floors, walls, and ceilings in critical cleanroom and controlled environments. Designed to improve operator ergonomics and cleaning performance, these tools include lightweight **carbon fiber** frames and handles, durable **aluminum** frames and handles, and high-performance cleanroom dry and presaturated **mop covers** for superior contamination control.

Industries:

- Pharmaceutical / Biologics
- Medical Device / Optics
- Semiconductor / Microelectronics
- Aerospace / Defense
- Compounding pharmacies
- Laboratories / Academia

Cleaning Applications:

- Cleanroom floor cleaning
- Wall cleaning
- Ceiling cleaning
- Application of disinfectants and sanitizers
- Residue removal
- Spill control
- General cleaning of large areas

Storage & Handling

- Store in a clean, dry environment at ambient temperature (59°F (15°C) – 85°F (30°C)
- Avoid mechanical damage to carbon fiber components

Shelf Life

- Dry mop covers – 5 years from the date of manufacture
- Presaturated 70% IPA and sterile mop covers - 3 years from the date of manufacture
- Presaturated 6%, 9% IPA – 13 months from the date of manufacture
- Hardware – no expiration date

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TekniMop™ Large Surface
Carbon Fiber Mop Frames

AUTOCLAVABLE

TKM415

TKM815

TekniMop™ Carbon Fiber is an innovative mop system designed for efficient cleaning in controlled environments. Constructed from advanced lightweight carbon fiber material, it delivers superior strength, durability, and operator comfort.

Lightweight Construction & Ergonomics

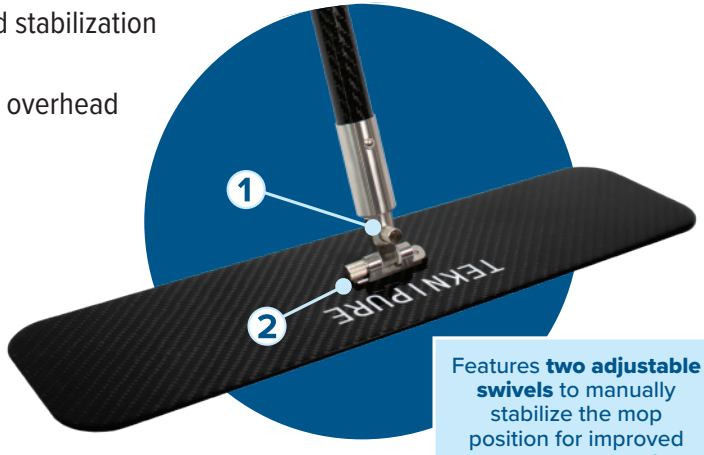
- 2-3x lighter than traditional stainless steel systems
- Reduces operator fatigue during extended cleaning sessions
- Improves productivity and ease of use

High Strength, Durability & Compatibility

- Resistant to bending, warping, and corrosion
- Compatible with common cleanroom disinfectants (sporicides, QUATs, bleach)
- Autoclavable
- Non-magnetic

Dual Position-Locking Swivels

- Two adjustable swivels enable manual positioning and stabilization of the mop frame for specific cleaning applications
- Supports effective cleaning of vertical, horizontal, and overhead surfaces while reducing fatigue



Features **two adjustable swivels** to manually stabilize the mop position for improved operator control

TekniMop™ Carbon Fiber Frames

Part Number	Product Type	Size	Material	Weight	Packaging	Autoclavable	Compatible Hardware
TKM415	Flat Mop Frame	4" x 15" (10 cm x 38 cm)	Carbon Fiber	0.47 lbs/214 g	1 frame/box	Yes	TKM220H, TKM240H, TKM355H, TKM455H
TKM815	Flat Mop Frame	8" x 15" (20 cm x 38 cm)	Carbon Fiber	0.76 lbs/345 g	1 frame/box	Yes	TKM220H, TKM240H, TKM355H, TKM455H

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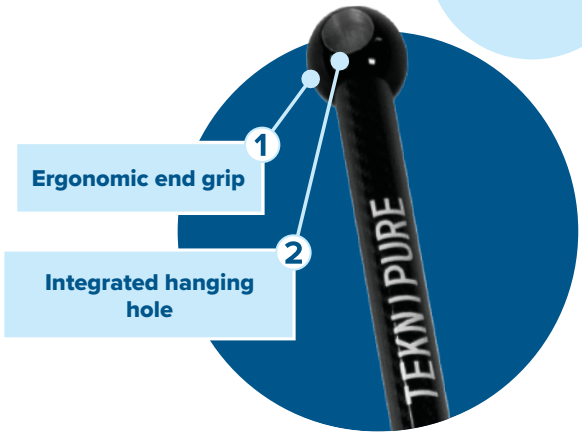
TekniMop™

Carbon Fiber Mop Handles

AUTOCLAVABLE

Flexible Cleaning Configurations

- Interchangeable telescoping mop handles for flexible use with all frames
- Extendable handles with smaller frames can reach confined spaces in isolators and other areas
- Low particle-generating carbon fiber material



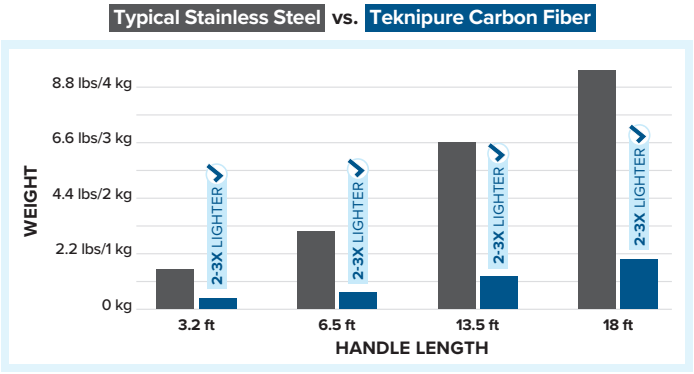
Ergonomic Hanging End Grip

- For improved control and stability during cleaning operations
- Integrated hanging hole for organized storage and maintaining cleanliness between uses
- Allows mop systems to be suspended, reducing the risk of recontamination from floors

Extension Limit Indicator

- "STOP" marking allows operators to quickly identify the maximum extension position
- Ensure optimal handle rigidity and control during floor, wall, and ceiling cleaning

Extension limit indicator



TekniMop™ Carbon Fiber Handles

Part Number	*Product Type*	*Size*	*Material*	*Weight*	*Packaging*	*Autoclavable*	*Compatible Frames*
TKM220H	2-piece Telescoping Mop Handle	23"- 38.2"/3.2 ft (58-97 cm)	Carbon Fiber	0.43 lbs/198 g	1 handle/box	Yes	TKM27, TKM47
TKM240H	2-piece Telescoping Mop Handle	43" - 78.4"/6.5 ft (109-199 cm)	Carbon Fiber	0.73 lbs/330 g	1 handle/box	Yes	TKM27, TKM47
TKM355H	3-piece Telescoping Mop Handle	58" - 161.4"/13.5 ft (147-410 cm)	Carbon Fiber	1.3 lbs/593 g	1 handle/box	Yes	TKM27, TKM47
TKM455H	4-piece Telescoping Mop Handle	60" - 214.6"/17.9 ft (152-545 cm)	Carbon Fiber	1.98 lbs/900 g	1 handle/box	Yes	TKM27, TKM47

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Technical Specifications

Material	Carbon fiber does not shed fibers or release particulates during normal use. The material is inert and non-friable.
Particle Generation	Non-shedding; meets or exceeds ISO 14644-1 Class 5 material requirements for use in cleanrooms down to ISO Class 3.
Chemical Resistance	Compatible with: IPA, H2O2, bleach (sodium hypochlorite), Peracetic Acid, QAC. Studies available.
Thermal Stability	Operating range: -4°F-104°F (−20°C to +40°C)
Sterilization Methods	Steam autoclave compatible for multiple cycles (130°C). Studies available.
Magnetic Properties	Non-magnetic; no field generation or retention.
Surface Finish	Smooth composite surface; non-porous; cleanable to pharmaceutical and semiconductor standards.
Packaging	Pre-cleaned with 70% IPA wipes before packaging; lot-coded; available with COC, and qualification support documentation.
Applicable Standards	ISO 14644, IEST-RP-CC003, EU GMP Annex 1, FDA 21 CFR Part 211, ASTM E2042, IEST-RP-CC003, SEMI F57.

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TekniMop™ Large Surface
Mop Covers

TM-MD815

Microdenier & Microfiber Mop Covers

- High-density microfiber and microdenier construction for effective capture of particles, residues, and microorganisms
- Exceptional cleaning efficiency with fewer passes
- Low linting for enhanced contamination control in critical environments

TM-PFM70G-415

IPA Presaturated Mop Covers

- Ready-to-use format, no need for bucket systems or spray bottles
- Pre-wetted with USP-Grade IPA for process consistency
- Available in sterile and non-sterile for SOP compliance
- Packaged in self-standing resealable packaging for convenience and reduced footprint

Self-Standing Resealable Packaging

- The secure, easy-to-use slider closure helps minimize IPA evaporation, maintaining consistent mop saturation levels and cleaning performance
- Resealable packaging reduces chemical loss and product waste, helping maximize product utilization and cost efficiency
- The self-standing gusseted bag minimizes its footprint on work surfaces, improving operator convenience and supporting contamination control practices

Sterile Mop Covers

- Sterilized according to AAMI guidelines and sterile validated for use in aseptic and critical processing environments
- Available individually packaged to support compliance with sterile cleaning protocols and GMP procedures
- Available dry, presaturated and could be customized

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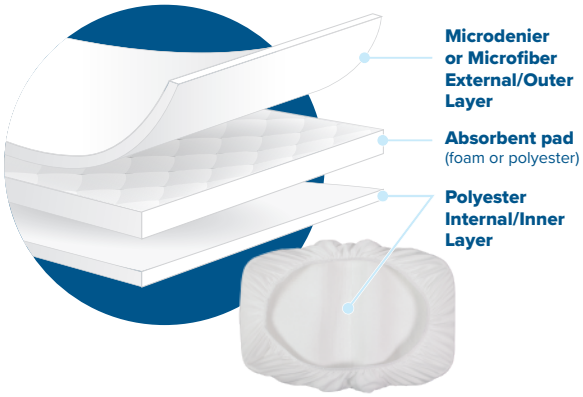

Mop Covers with Integrated Absorbent Pad

- Easy-to-use format, does not require purchasing of separate mop pads
- Soft, cushioned cleaning, ideal for uneven surfaces
- Increased fluid holding capacity in spill control management or cleaning
- The integrated pad is covered on all sides to eliminate particle generation from the pad material

TekniMop™ Covers

Part Number	Product Type	Size	Packaging	Covers/Case	Material	Dry/Presat	Sterile	Compatible Frames
4" x 15" (10 cm x 38 cm)								
TM-MFP-415P	Microfiber Knit Pocket Mop Cover	4" x 15" (10 cm x 38 cm)	10 covers/bag, 10 bags/case, Total 100 covers/case	100	Knit Microfiber	Dry	No	TKM415
TM-PFM-415	Microfiber Knit Pocket Mop Cover, Integrated Foam Pad	4" x 15" (10 cm x 38 cm)	10 covers/bag, 10 bags/case, Total 100 covers/case	100	Knit Microfiber/Foam	Dry	No	TKM415, TM-PFM516F, TM-PFM516HF
TM-MFP70G-415P	Microfiber Knit Pocket Mop Cover, 70% IPA	4" x 15" (10 cm x 38 cm)	10 covers/resealable gusset bag, 8 bags/case	80	Knit Microfiber	Presat 70% IPA	No	TKM415
TM-PFM70G-415	Microfiber Knit Pocket Mop Cover, Integrated Foam Pad, 70% IPA	4" x 15" (10 cm x 38 cm)	10 covers/resealable gusset bag, 10 bags/case	100	Knit Microfiber/Foam	Presat 70% IPA	No	TKM415, TM-PFM516F, TM-PFM516HF
5" x 16" (13 cm x 41 cm)								
TM-MFPB-516P	Microfiber Knit Pocket Mop Cover, Blue	5" x 16" (13 cm x 41 cm)	10 covers/bag, 10 bags/case, Total 100 covers/case	100	Knit Microfiber	Dry	No	TKM415, TM-PFM516F, TM-PFM516HF
TM-MFPK-516P	Microfiber Knit Pocket Mop Cover, Integrated Absorbant Pad	5" x 16" (13 cm x 41 cm)	10 covers/bag, 10 bags/case, Total 100 covers/case	100	Knit Microfiber/Polycell	Dry	No	TKM415, TM-PFM516F, TM-PFM516HF
TM-MFPK9G-516P	Microfiber Knit Pocket Mop Cover, Integrated Absorbant Pad, 9% IPA	5" x 16" (13 cm x 41 cm)	5 covers/resealable gusset bag, 10 bags/case	50	Knit Microfiber/Polycell	Presat 9% IPA	No	TKM415, TM-PFM516F, TM-PFM516HF
TM-MFP-516P	Microfiber Knit Pocket Mop Cover	5" x 16" (13 cm x 41 cm)	1 cover/bag, 50 bags/case	50	Knit Microfiber	Dry	No	TM-PFM516F, TM-PFM516HF
TM-MFP-516P-ST	Sterile Microfiber Knit Pocket Mop Cover	5" x 16" (13 cm x 41 cm)	1 cover/bag, 5 bags/pack, 10 packs/case	50	Knit Microfiber	Dry	Yes	TM-PFM516F, TM-PFM516HF
TM-MFP9G-516P	Microfiber Knit Pocket Mop Cover, 9% IPA	5" x 16" (13 cm x 41 cm)	10 covers/resealable gusset bag, 8 bags/case	80	Knit Microfiber	Presat 9% IPA	No	TM-PFM516F, TM-PFM516HF
8" x 15" (20 cm x 38 cm)								
TM-MD815	Microdenier mop cover with elastic and integrated pad	8" x 15" (20 cm x 38 cm)	10 covers/bag, 10 bags/case	100	Microdenier Polyester	Dry	No	TKM815
TM-PFM-815	Microfiber Knit Pocket Mop Cover, Integrated Foam Pad	8" x 15" (20 cm x 38 cm)	10 covers/bag, 10 bags/case	100	Knit Microfiber	Dry	No	TKM815
TM-RMC815MD	Microdenier mop cover with elastic, separate foam pad	8" x 15" (20 cm x 38 cm)	25 covers & 1 pad/bag, 6 bags/case	160/6	Microdenier Polyester	Dry	No	TKM815
TekniMop™ Velcro								
TM-516V	Meltblown Polypropylene Mop Cover for Velcro Mop Frame	5" x 16" (13 cm x 41 cm)	10 covers/bag, 20 bags/case	200	Meltblown Polypropylene	Dry	No	TM-516V-1
TM-PP-516V9G	Meltblown Polypropylene Mop Cover for Velcro Mop Frame, 9% IPA	5" x 16" (13 cm x 41 cm)	10 covers/resealable gusset bag, 10 bags/case	100	Meltblown Polypropylene	Presat 9% IPA	No	TM-516V-1
TM-PP-516V70G	Meltblown Polypropylene Mop Cover for Velcro Mop Frame, 70% IPA	5" x 16" (13 cm x 41 cm)	10 covers/resealable gusset bag, 10 bags/case	100	Meltblown Polypropylene	Presat 70% IPA	No	TM-516V-1