

P R O D U C T C A T A L O G

Micronova[®]

MANUFACTURING INC.

Your Cleanroom's Worth It!™



Cleanroom Mops



Hardware
Carts & Buckets



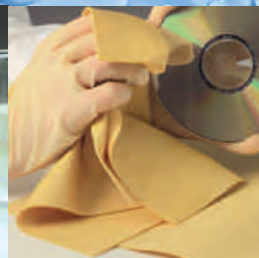
Detergents & Cleaners



Hand Hygiene



Cleanroom Tapes



Sponges & Wipes



Welcome!

In today's world, the call for controlled manufacturing is standard across a wide range of industries. Processing and cleaning controls continue to grow ever more stringent in biotechnology and pharmaceutical production – at the same time engineers in wafer production and nanotechnology search for methods to attain higher yields.

These issues are a key factor in the development of Micronova's range of products which include: mops, support hardware, soaps, detergents and tape. Each is designed with clean manufacturing in mind – down to the last detail.

Since 1984, cleanrooms and controlled environments the world over have come to rely on Micronova to provide the right products for their critical cleaning needs. With several U.S. Patents in place and others pending, our research team continues to develop the products that set the standard in cleanroom maintenance. At Micronova, we understand the necessity of meeting strict production requirements with the highest level of control. It's our job.

Where quality is imperative, choose Micronova.

Micronova[®]
MANUFACTURING INC.





Pages



2-3 String Floor Mops

A traditional mop style that covers large surface areas, Micronova's string floor mops are available in a selection of fabrics to address the needs of hi-tech to bio-pharma applications.



4-5 Flat Head Mops for Floor and Wall Cleaning

Assuring constant contact with the surface being cleaned, Micronova's variety of flat head frames will hold an assortment of mop heads allowing broad use and adaptability.



6 Special Tools & Accessories

From shut-downs and supercleans to general cleaning of standard equipment such as hoods and isolators, Micronova's tools and accessories make cleaning surfaces, fixtures, fittings and equipment less of a challenge.



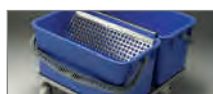
7 Self-Wringing & Squeegee Style Mops

When space or protocol limits the use of wringers and additional hardware, Micronova's self-wringing PowerHead and TwistMop present an "all-in-one" solution for controlled cleaning.



8-9 Hardware & Accessories

The core element of an efficient cleaning system, Micronova's handles and adapters incorporate electropolished stainless steel and high grade polymers to meet stringent cleaning standards.



9-11 Buckets & Wringers

Cleaning carts and buckets are available in single and multi-bucket options.



12-13 Detergents & Cleaners

Filtered to 0.1 microns, Micronova's detergents are available in concentrated or ready-to-use formulations.



14-15 The M-Zone™

A collection of products ready to meet complex or unusual cleaning and support tasks within your clean environment.



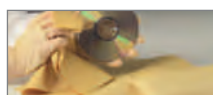
16-17 Hand Hygiene

A selection of soaps, sanitizers and hand treatments for use with our Touch Free Dispensers.



18-21 Cleanroom Tapes

From food grade packaging to transportation of wafer chips, Micronova's tapes combine clean films and adhesives to match pressure sensitive applications in clean and controlled manufacturing.



22-25 Sponges & Wipes

Sponges and Wipes for niche applications such as high absorbency wiping to lapping and polishing.



26 Compounding Kits

For small processing areas, hoods, hospital pharmacies and compounding areas.



27-28 Miscellaneous & J-Zone



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String Floor Mops

Micronova offers a selection of string mops for cleaning large surface areas quickly and efficiently.

Whether laying down disinfectant or cleaning to a dry finish, different designs and fabrics address the various protocols found in many cleaning scenarios from microelectronic fabs to food processing and pharmaceutical production.



PG9-12 PolyGen™ Mop



An economical low-linting polyester mop. The herringbone weave in the looped strands ensures no raw edges, guaranteeing low particulation. The PolyGen is designed to cover large areas and to apply disinfectants that require extended drying time. The PolyGen holds up to strong disinfectants and can be autoclaved.

For sterile applications, ask about our irradiated PolyGen Mop - Part Number PG9-12IR

MZLM5-12 LoopMop™



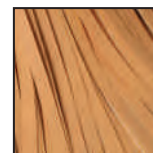
A functional knitted polyester mop for applying disinfectant in pharmaceutical, aseptic processing and medical device applications. The tubular strands of the mop draw up moisture efficiently and ensure that disinfectants are laid down for the required contact time. The durable construction of the mop allows it to be laundered, autoclaved if necessary, and used several times. Also available irradiated.

Part No.	Description
PG9-12	PolyGen Mop
PG9-12IR	PolyGen Mop Irradiated
MZLM5-12	M-Zone LoopMop
MZLM5-12IR	M-Zone LoopMop Irradiated
MZCRMS11-12	M-Zone MegaSorb Mop
ML-1	MicroLoop Mop PVA
ML-9	MicroLoop Mop PolyGen
CRM-1	MicroMop PVA
CRM-2	MicroMop NovaLite
CRM-6	MicroMop Polyester
CRM-66	MicroMop Polyester
MICRO21-1	MicroMop Deluxe PVA
PPM4-MM15	PharmaPly Mop
PPM4-MM15IR	PharmaPly Mop Irradiated
CRMS-LB	NovaSorb Mop
CRMS-LBIR	NovaSorb Mop Irradiated
QDMH-1	MicroMop Adapter
SSU-1	Stainless Steel Ext. Handle 36"-72"
MH-1	MicroMop Handle Fiberglass and Polypropylene
SSA-3	Acme Thread Adapter for use with ML-1 & ML-9 and SSU-1 Handles

Mop Head and Mop Cover Materials (See page 5 for details)



PVA
Low-linting and absorbant.
Non-autoclavable



NovaLite
Autoclavable and usable with strong disinfectants



PolyGen
Economical, auto-clavable, low-linting



NovaPoly
Autoclavable, low-linting



MicroLoop™ Mops

A functional looped mop which can be used for service areas outside the cleanroom and for "clean build" projects. The MicroLoop heads attach to the stainless steel handle by way of the SSA-3 Acme Thread Adapter (see page 8).

ML-1 MicroLoop PVA



For cleanroom support, post-construction and clean-build projects.

ML-9 MicroLoop PolyGen



An economical polyester mop head ideal for "Hazmat" and general spill control.

CRM-1 MicroMop® PVA

This mop offers exceptional absorbency and low linting features. With an absorbency of 600% and a drying time of 10-12 seconds, the CRM-1 is an obvious choice for high-tech applications where the need for dry, residue-free surfaces is paramount.

**CRM-6 MicroMop® Polyester**

A substantial mop which efficiently wicks away moisture and is laser cut to minimize particulate. A concealed foam brick at the top of the mop offers a dual-cleaning action for high traffic areas and heavy duty cleaning. The CRM-6 will hold up to strong disinfectants and steam sterilization.

**CRM-66 MicroMop® Polyester Die-Cut** (not shown)**MICRO21-1 MicroMop® PVA**

The MICRO21-1 is a perforated version of the standard CRM-1 mop. It offers increased absorbency and wicking with its perforated strands which increase the surface area of mop fabric in contact with the floor.

**PPM4-MM15 PharmaPly™ Mop**

This polyester/rayon blend mop combines superior absorbency with the clean, low-linting qualities of polyester. Ideal for cleaning and disinfecting pharmaceutical support areas, hospitals and laboratories with stringent cleaning routines. Holds up to strong disinfectants and can be autoclaved. Available Irradiated.

**CRM-2 MicroMop® Lite**

A sturdy mop for controlled environments and cleanroom support areas. The latex rayon blend will retain its absorbency and efficiency over several uses. The CRM-2 can be autoclaved for medical and sterile applications.

**MZCRMS11-12****M-Zone™ MegaSorb™ Mop**

An innovative low-linting and highly absorbent microfiber mop, based on the traditional string mop design. The MegaSorb is made up of microfiber tubes which draw up and trap small particles more effectively than standard poly/cotton mops which roll over the dirt. Ideal for laying down strong disinfectants and drawing up spills. Can be laundered and re-used and holds up to autoclave and gamma-irradiation.





Flat Head Mops for Floor and Wall Cleaning

SlimLine™ Mop

- Electropolished steel frame
- Rotates 180° in both directions
- Easy coverage of floors, walls and corners
- Available in three sizes with a choice of slipcovers
- Use with SlimLine or Slim "T" bucket systems
- Available irradiated

SnapMop™, DryMop™ and PadMop™ Shown Below are Compatible with the SlimLine™ Mop Adapter Series

M-Zone SnapMop™

- Designed for controlled environments, pharmaceutical production and hospital pharmacies
- Suited to 'Latex Free' Environments
- Quality features of covered foam combined with economical design
- Low Profile design
- Angled head for easy application of disinfectant or detergent
- Variety of sizes (9", 14", 18")
- Available in Polyester, Microfiber and MegaTex materials
- Launderable/Autoclavable
- Available Gamma Irradiated



WrapMop™

- Quality features of covered foam combined with economical design
- Angled head for easy application of disinfectant or detergent
- Reversible cover for optimum economy
- Frame available in 18" & 14" widths
- Mops available in Polyester, Microfiber or MegaTex™ fabrics

PadMop™

- Bio-tech / aseptic processing
- Low profile design
- Angled head for easy application of disinfectant / detergent
- Thicker foam allows use of both sides
- Choice of widths
- Launderable / autoclavable
- Available irradiated



DryMop™

- Cleans to a dry finish
- Low-profile swivel design
- Angled head for "hard-to-reach" areas
- No need for buckets and wringers
- Choice of widths
- Available in NovaLite and PVA material
- Available irradiated



PilloMop™

- Attaches to the QDPH-1 Adapter with polyester hook and loop strips
- Standard size head is 9" x 5" with custom sizes available
- Head moves easily up and down and from side to side
- Ideal for reaching awkward corners and angles for cleaning shelving and narrow chambers

Part No.	Description
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PilloMop™

QDPH-1	PilloMop Adapter
PM-6	PilloMop NovaPoly
PM-648	PilloMop NovaPoly
PMC-648	PilloMop NovaPoly Slip Cover
Available in additional fabrics	

**Part No.****Description****SlimLine™ Mop**

QDSL-9, 14 & 18	Stainless Steel SlimLine Mop Adapter 9", 14" or 18"
QPSL-9, 14 & 18	Plastic SlimLine Adapter 9", 14" or 18"
SLSC6-9, 14 & 18	NovaPoly Cover 9", 14" or 18"
SLSC6-9, 14 & 18IR	NovaPoly Cover 9", 14" or 18" Irradiated
SLSC620-9, 14 & 18	NovaPoly/MegaTex Cover 9", 14" or 18"
SLSC6AA-9, 14 & 18	NovaPoly/MicroFiber Cover 9", 14" or 18"

DryMop™

DM61-9, 14 & 18	NovaPoly/PVA Cover 9", 14" or 18"
DM61-9, 14 & 18IR	NovaPoly/PVA Cover 9", 14" or 18" Irradiated
DM62-9, 14 & 18	NovaPoly/NovaLite Cover 9", 14" or 18"
DM62-9, 14 & 18IR	NovaPoly/NovaLite Cover 9", 14" or 18" Irradiated

PadMop™

SLP6-9, 14 & 18	NovaPoly PadMop 9", 14" or 18"
SLP6-9, 14 & 18IR	NovaPoly PadMop 9", 14" or 18" Irradiated
SLP620-9, 14 & 18	NovaPoly/MegaTex Cover 9", 14" or 18"
SLP6AA-9, 14 & 18	NovaPoly/MicroFiber Cover 9", 14" or 18"

M-Zone SnapMop™

MZSM56-9, 14 & 18	NovaPoly Cover 9", 14" & 18"
MZSM56-9IR, 14IR & 18IR	Irradiated NovaPoly Cover 9", 14" & 18"
MZSM6AA-9, 14 & 18	MicroFiber Cover 9", 14" & 18"
MZSM6AA-9IR, 14IR & 18IR	Irradiated MicroFiber Cover 9", 14" & 18"
MZSM620-9, 14 & 18	MegaTex Cover 9", 14" & 18"
MZSM620-9IR, 14IR & 18IR	Irradiated MegaTex Cover 9", 14" & 18"

WrapMop™

QALF-14 & 18	Aluminum WrapMop Adapter 14" or 18"
ALUMEH-08	Aluminum Ext. Handle 48"-96"
ALUMEH-20	Aluminum Ext. Handle 108"-240"
WM612-14 & 18	NovaPoly WrapMop 14" or 18"
WM62012-14 & 18	MegaTex WrapMop 14" or 18"
WM6AA12-14 & 18	Microfiber WrapMop 14" or 18"

Other Gamma Irradiated Mops (not shown):

- NovaPoly
- NovaLite
- MegaTex
- MicroFiber Mops

When ordering, add the letters IR after the Part Number

In super stringent applications it's important to distinguish between mops used for different surfaces.

Micronova has a selection of string and flat head mops (see pages 2 through 5) in various sizes so that operators can guard against cross-contamination while cleaning.

Mop Head and Mop Cover Materials

PVA
Bonded, non-woven Polyvinyl Alcohol. 600% absorbency. Low linting and extremely durable.



NovaLite
Latex exterior bonded with rayon. 400% absorbency. Can be used with strong disinfectants. Autoclavable.



PolyGen
100% Polyester Herringbone Weave provides greater wicking. Can be used with strong disinfectants. Autoclavable.



NovaPoly
100% Polyester. Can be used with strong disinfectants. Autoclavable.



MicroFiber
80% Polyester 20% Polyamide. 400% absorbency. Can be used with strong disinfectants. Autoclavable.



MegaTex
Non-woven Polyamide textured thermo bonded surface. Can be used with strong disinfectants. Autoclavable.

Special Tools & Accessories

Isolator Tool™

- For Isolators, Containment and Bio-Hoods in Cleanroom and Buffer Areas
- Low Profile Design
- Angled head for easy application of disinfectant or detergent
- Selection of Widths (9", 14", 18")
- Modular and extendable handles for small pass thrus and extended "reach"
- Launderable/Autoclavable Slipcovers
- Slipcovers Available Irradiated

Part No.	Description
QDIT-09, 14 & 18	Isolator Tool Adapter 9", 14" or 18"
QPIT-09, 14 & 18	Plastic Isolator Tool Adapter 9", 14" or 18"
ITC6-09, 14 & 18	NovaPoly Cover 9", 14" or 18"
ITC6-09IR, 14IR & 18IR	NovaPoly Cover Irradiated 9", 14" or 18"
ITC620-9, 14 & 18	NovaPoly/MegaTex Cover 9", 14" or 18"

Curtain Cleaner™

A simple, effective design to clean cleanroom curtains and softwall enclosures. The cleaning head clamps the curtain at the top and then slides down to apply or squeegee the cleaning agent on both sides of the curtain. The Curtain Cleaner measures 12" and has a selection of different slipcovers for cleaning in cleanroom support, critical and sterile environments.

Part No.	Description
CCH-24	Curtain Cleaner Handle (24" length)
CCH-48	Curtain Cleaner Handle (48" length)
CCSC-1	PVA Slipcover
CCSC-2	NovaLite Slipcover
CCSC-6	NovaPoly Slipcover
CCSC-6IR	NovaPoly Slipcover Irradiated
CCSC-68	PolyMesh Slipcover
CCSC-20	MegaTex Slipcover
CCSC-AA	MicroFiber Slipcover

MegaSwat™ Adapter

For applications cleaning around heavy process equipment or calibrated apparatus. Features a flexible polyethylene interior with a choice of three slip covers.

Part No.	Description
QDMS-1	MegaSwat Adapter, 2-1/2" x 16" Blade
MS-1	MegaSwat Cover - PVA
MS-2	MegaSwat Cover - NovaLite
MS-6	MegaSwat Cover - NovaPoly
Custom sizes available	

Also available in a horizontal format for cleaning the inside of tanks and chambers.

QDMST-18	MegaSwat Adapter, 2" x 18" Blade
MST-618	MegaSwat Cover - NovaPoly
QDMS-8	MegaSwat Adapter, 3" x 8" Blade
MS6-8	MegaSwat Cover - NovaPoly
Custom sizes available	

Polyester covers available irradiated, add IR to end of part number when ordering.

MegaTip™ Swab

A substantial cleaning "swab," the MegaTip is a 4" x 1.5" probe which, when used with the Univesal Handle, will easily reach to clean lighting recesses, corners and angles between walls and ceilings and other areas where a mop or wiping area is not ideal.

Custom sizes available.

Part No.	Description
QDMT-1	MegaTip Adapter, 9" long
MT-1	MegaTip Cover - PVA
MT-2	MegaTip Cover - NovaLite
MT-6	MegaTip Cover - NovaPoly
MT-6IR	MegaTip Cover - NovaPoly Irradiated

NovaSqueegee™ Adapter

Squeegee adapter for cleaning walls, windows and screens. Sold with a standard rubber blade, PVA replacement blade optional. 12", 18" and 22" widths available. NovaSqueegee adapter attaches to the SSU series of handles. Autoclavable.

Part No.	Description
QDNS-12, 18, & 22	NovaSqueegee Adapter 12", 18" & 22" Blade
NS-12, 18, & 22	12", 18" & 22" PVA Blade
RS-12, 18, & 22	12", 18" & 22" Rubber Blade

FlexBrush Adapter

12" bendable brush with polyester or microfiber cover. Use with extendable handle or stand alone for cleaning overhead pipes, coving and deep tanks. Acme threaded end. Covers are autoclavable.

Part No.	Description
FB-12	FlexBrush Adapter
FBC-611	NovaPoly Cover
FBC-611IR	NovaPoly Cover Irradiated
FBC-AA	Microfiber Cover

Self Wringing & Squeegee Style

**PowerHead™**

The **PowerHead** family offers a variety of different mop heads for use with our self wringing electropolished stainless steel handle. Disposable mop heads come in different types and densities of foam and with the option of polyester covers.

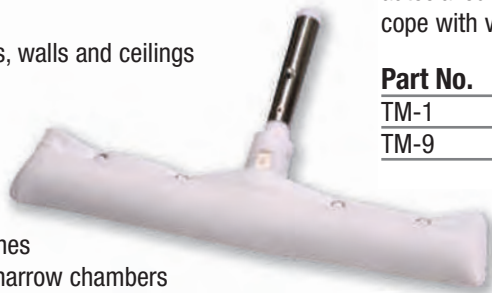


Available in 10" and 14" widths, the entire unit is autoclavable and features a quick disconnect fitting allowing it to be used with the standard or extendible range of Universal Handles.

Part No.	Description	Units/Pack
QDPHH-10 & 14	PowerHead 10" & 14"	1
SSU-6	25" Universal Handle	1
PHU-120 & 124	Absorbent Foam 10" & 14"	1
PHU-150 & 154	Wide Pore Foam 10" & 14"	1
PH6-150 & 154	NovaPoly Covered Foam 10" & 14"	1

T-Mop™

- Low profile mop for cleaning floors, walls and ceilings
- Rotates 180°
- Wide surface is ideal for general cleaning and applying disinfectants in sterile environments
- Cleans under equipment and reaches awkward angles on shelving and narrow chambers
- Available in three sizes with a choice of slipcovers
- Available irradiated



Part No.	Description
QDT-10, 14 & 18	T-Mop Adapter 10", 14" or 18"
QDST-10, 14 & 18	Square T-Mop Adapter 10", 14" or 18"
T1-10, 14 & 18	T-Mop Cover PVA 10", 14" or 18"
T2-10, 14 & 18	T-Mop Cover NovaLite 10", 14" or 18"
T6-10, 14 & 18	T-Mop Cover NovaPoly 10", 14" or 18"
T6-10, 14 & 18IR	T-Mop Cover NovaPoly 10", 14" or 18" Irradiated
T612-10, 14, & 18	NovaPoly Cover, Thick Foam 10", 14" or 18"
T2012-10, 14, & 18	MegaTex Cover, Thick Foam 10", 14" or 18"
TAA-10, 14, & 18	MicroFiber Cover 10", 14" or 18"

Why is the PowerHead Handle only 28 inches? Why do I have to buy a separate handle?

The PowerHead was designed to clean walls and floors. Reaching a 12 foot wall or high ceiling with the standard mop handle is difficult. To solve this, we made it possible for the self-wringing PowerHead to fit any of the SSU- series handles. This way the operator can customize the handle length to fit the need. For a standard length for floors, add the SSU-6 handle.

Twist Mop

An economical mop system which cuts back on cleaning time and unnecessary hardware by incorporating a simple self-wringing action in the TH-1 handle. The handle is constructed of aluminum and plastic and can be autoclaved. The mop head is available in two different fabrics to cope with varying cleanroom protocols.



Part No.	Description	Units/Pack
TM-1	Twist Mop PVA	1
TM-9	Twist Mop PolyGen	1

EconoMop™

- Designed for easy application of disinfectant
- Economical Design
- Multiple Cleaning Surfaces



Part No.	Description
QDECM-14CP	EconoMop Adapter 14"
ECM12-2314	EconoMop Foam 14"
ECSC7-14	PolyTex SlipCover

Hardware & Accessories

Universal Handles and Micronova's Quick Disconnect System

Micronova's mopping systems are designed to be interchangeable. The core of each of our mop systems is the Electropolished Stainless Steel Handle. Available in a variety of fixed and extendible lengths the handle connects easily to the various mop frames and adapters by means of a quick disconnect.

What do I need to complete a mop system?

- SSU- series handle
- QD series mop frame/adapter
- The corresponding mop or slipcover in your selected fabric

A. Universal Handle

The core of the hardware system is the Universal Handle. The electropolished stainless steel handles have Delrin® components giving strong all-around connections and hard-wearing properties. The handle is available in extendible or single-length models. The entire unit can be autoclaved.

Part No. Description

SSU-1	Extendible Handle 38"-72" Long
SSU-3	Extendible Handle 62"-120" Long
SSU-8	Extendible Handle 14"-23" Long
SSU-2	8" Handle
SSU-4	61" Handle
SSU-5	37" Handle
SSU-6	25" Handle
SSU-7	51" Handle
SSU-9	12" Handle

B. Fiberglass Handle

- Fiberglass and polypropylene
- Available in fixed or extendible lengths
- Lightweight

Part No. Description

Attaches to Micronova Quick Disconnect mop heads via the SSA-2 'Female' Acme Thread Adapter

ACMEEH-06	Extendible Handle 36"-72" Long
ACMEEH-16	Extendible Handle 96"-192" Long
ACMEEH-23	Extendible Handle 96"-276" Long

For use with Acme Threaded heads and adapters, not suggested for use with thread adapters.

Can be used direct with QPSL and QPIT Adapters.

ACMEH-01	60" Handle
ACMEH-02	48" Handle
ACMEH-03	36" Handle
ACMEH-04	24" Handle
ACMEH-05	12" Handle



Acme Thread Adapter

The adaptability of the Universal Handle can be increased by adding one of two adapters, available in "female" or "male" units. Made with stainless steel and Delrin®, the Acme Thread Adapter is threaded to allow the operator to add other janitorial heads or handles to the Universal System.

When used with the "T" Mop or MegaTip, the Acme Adapter can be combined to create a viable cleaning system for isolators and similar enclosed "hoods."

Part No. Description

SSA-2	"Female" Acme Thread Adapter
SSA-3	"Male" Acme Thread Adapter

Which Acme Thread Adapter do I use?

To use a Micronova Mop Adapter (QD Series) with an Acme Threaded Handle (B or C) select the SSA-2

To use a standard head such as a female threaded broom, squeegee or janitorial style mop frame with your Micronova Universal Handle (SSU- Series), use the SSA-3



C. Aluminum Extension Handle

- Aluminum
- Extendible
- Lightweight
- Attaches to Micronova Quick Disconnect mop heads via the SSA-2 "Female" Acme Thread Adapter

Part No. Description

ALUMEH-18	Extendible Handle 72"-216" Long
ALUMEH-96	Extendible Handle 39"-96" Long



MicroMop® Handle

An economical, fiberglass and polypropylene handle for use with Micronova's string mops.

Part No.	Description
MH-1	64" MicroMop Handle



Over Under Accordion Handle

An electropolished stainless steel collapsible handle designed to deal with the unique space limitations in isolators and containment hoods. Available in 13" and 19" sizes, each section features a delrin hinge and quick disconnect to allow for attachment of additional sections and ultimately the mop adapter.

The unique design allows the operator to fit the collapsed handle into the pass thru and once inside the isolator provides the extended reach necessary to cover all surfaces.

Outside of the Isolator:

When connected to a standard handle, the Accordion Handle allows the operator to angle the mop head to effectively and comfortably clean 'over and under' obstacles in a cleanroom or controlled environment.

Autoclavable.

Part No.	Description
QDAH-13	13" Over Under Accordion Handle
QDAH-19	19" Over Under Accordion Handle

Buckets & Wringers

Longevity and ease of replacement are factors which affect each controlled environment to a different degree.

In addition to its own designs in hardware, Micronova offers a selection of buckets and wringers to complement their standard cleaning systems.

**See Pages 10 and
11 for More Buckets
and Wringers**



Part No.	Description
B-1	Yellow Plastic Bucket with 3" casters, opening size: 12.5" x 19", capacity: 44 quarts
W-1	Yellow Plastic Wringer (use with B-1), 24 to 36 oz. capacity
B-2	Yellow Plastic Bucket with 2" casters, opening size: 13" x 17", capacity: 35 quarts
W-2	Yellow Plastic Wringer (use with B-2), 16 to 32 oz. capacity
B-3	Circular Stainless Steel Bucket with 2" casters, opening diameter: 13.75", capacity: 32 quarts
B-3A	Circular Stainless Steel Bucket with 3" casters, opening diameter: 13.75", capacity: 32 quarts. Autoclavable
B-11A	Circular Stainless Steel Bucket with 3" casters, opening diameter: 16", capacity: 44 quarts. Autoclavable
W-6	Stainless Steel Downward Press Wringer (use with B-3), 16-32 oz. capacity. Autoclavable

Multi-Bucket Cart Options

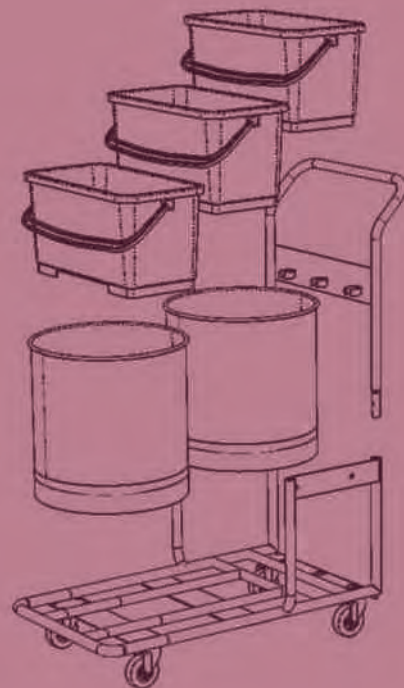
Working directly with facility managers and cleanroom operators, Micronova has developed a series of custom carts to match the specific requirements for your controlled environment.

The base of each cart system is an Electropolished Stainless Steel frame

with smooth rolling, autoclavable casters, and a sturdy handle featuring three 'grip its' for transporting handles and additional mopheads.

Options include:

- The Hang-On Basket (C3A-02) for transporting additional cleaning supplies.
- The Downpress Wringer Bar (C3A-03) which allows use of a standard downward press wringer with carts configured with rectangular polypropylene buckets.
- Two and Three Bucket variations are offered along with Electropolished Stainless Steel, or Autoclavable Polypropylene buckets.
- Wringer assemblies are sold separately so that you can further customize the cart to your exact mopping system.



C-33S



B-7DBAC



B-7YE



C3A-02



W-7



C-22PTBD

Electropolished Stainless Steel

Guards against corrosion – whether using strong disinfectants or ultra-pure water

Part No.	Description
C-22S	Stainless Steel Double Bucket Cart includes Blue and Yellow Polypropylene Buckets. 6 gallon capacity per bucket.
C-33S	Stainless Steel Triple Bucket Cart includes Blue, Yellow and Red Polypropylene Buckets. 6 gallon capacity per bucket (shown with blue buckets).
C-225	Stainless Steel Double Bucket Cart with Two 5-gallon Electropolished Stainless Steel Buckets.
C-22PTBB	Stainless Steel Double Bucket Cart with one 8-gallon and one 11-gallon Electropolished Stainless Steel Buckets.
C-22PTBD	Stainless Steel Double Bucket Cart with two 11-gallon Electropolished Stainless Steel Buckets (shown).
C3A-02	Hang-On Basket (shown).
C3A-03	Downpress Wringer Bar for use with C-22S or C-33S carts.
W-7	MegaWringer for use with C-22S or C-33S carts (shown).
B-7DB	Replacement 6 gallon Polypropylene Bucket, Dark Blue, Autoclavable (shown).
B-7RE	Replacement 6 gallon Polypropylene Bucket, Red, Autoclavable.
B-7YE	Replacement 6 gallon Polypropylene Bucket, Yellow, Autoclavable (shown).
B7BL-IR	Gamma Irradiated Bucket Liners for B-7 bucket series (shown right).
B7-DBAC	Dark Blue Polyethylene Bucket w/Casters
B7-DGAC	Dark Green Polyethylene Bucket w/Casters
B7-REAC	Red Polyethylene Bucket w/Casters
B7-YEAC	Yellow Polyethylene Bucket w/Casters

The Slim "T" System



(Shown with optional
W-92 Slim "T" Wringer)

Slim "T"™ Double Bucket Cart

This simple and effective double bucket system is comprised of an electropolished stainless steel frame that easily transports two six gallon buckets. Excellent maneuverability is achieved with the 360° rotation of the caster wheels.

Each bucket measures 19-1/4" x 9-1/2" x 9-1/2" making the system suitable for use with a variety of mop heads. The entire unit is autoclavable.

Part No. Description

C-7WH	Autoclavable System
C-7	Standard System

M-Zone™ Bucket Liners

- Creates impermeable barrier between disinfectant and receptacle
- Fits B-7 series of buckets
- Easier transport of liquids out of controlled area
- Gamma Irradiated

Part No. Description

B7BL-IR	Bucket Liners Irradiated
---------	--------------------------

M-Zone™ Bin Liners (not shown)

- 40" x 48" Low Density Polyethylene Liner
- Available in 2 or 4 mil thickness
- Ideal for transport of product and waste disposal
- Individually bagged, then double bagged in groups of 5
- Gamma Irradiated

Part No. Description

B40BBL-2IR	Bin Liners - 2 mil thickness
B40BBL-4IR	Bin Liners - 4 mil thickness



B7BL-IR



W-98



W-9B



W-9

("T" Mop not included)

Slim "T"™ Wringer

Designed to wring the SlimLine and "T" Mop series as well as other flat pad mops. The Slim "T" Wringer's simple design allows the operator to wring out excess fluid leaving the mop damp enough to effectively saturate the surface being cleaned. Crafted from electropolished stainless steel for durability and long life. Autoclavable. Patent Pending.

Part No. Description

W-92	Slim "T" Wringer fits C-7 Cart or B-7 Series Bucket
W-95	Slim "T" Wringer fits B-11 Round Bucket
W-98	Slim "T" Wringer fits B-3 Round Bucket
W-9	Slim "T" Wringer for "T" Mop or Squeegee Style Mops or applications requiring higher saturation. Fits C-7 Cart or B-7 Series Bucket
W-9B	BoxWringer for String Mops. Fits B-7 Series Bucket.

The higher the classification often means the smaller the manufacturing area

The compact design of the **C7 Slim "T" Double Bucket Cart (shown above)** allows for double bucket disinfecting with ease and maneuverability in tight spaces.

Detergents & Cleaners

Note: Micronova's Detergents & Cleaners are not disinfectants. Formulated for the Semiconductor/Electronics industries, their fine filtration and purity lend themselves to applications in the Pharmaceutical and Biotech industries as detergents in 'neutral cleans' when a kill rate is not required.



NovaClean™ Floor Cleaner



Cleanroom Detergent for Floors, Walls and Ceilings

NovaClean Floor Cleaner is an all-purpose cleanroom cleaner which is filtered down to 0.1 microns. At the suggested dilution, the formulation can claim sodium and potassium levels detectable only in parts per billion. The low-ionic formulation will not generate a static charge. With little or no residue build-up, the cleaner will not affect the efficiency of conductive flooring.

Easy and economical to use, NovaClean Floor Cleaner is a concentrate which will yield 60 to 128 gallons of cleaner per gallon container.

- Filtered to 0.1 Microns
- Low Sodium
- Bio-Degradable
- Free Rinsing

Part No.	Description
----------	-------------

NC1-G	Gallon
-------	--------

NC1-5G	5 Gallon
--------	----------

NEW! NovaClean AFX Amine Free Formula Part No. NC10-G

I'm cleaning with DI Water or IPA – why should I use NovaClean?

Studies show that adding a small amount of surfactant to the cleaning process will break surface tension and remove more particles. NovaClean Floor Clean has a slight surfactant base and, with its extremely fine filtration, the assurance that you are not bringing more into the cleanroom than you are taking out.

NovaHol™ Cleanroom Cleaner



High Evaporation Rate for Quick Drying

This ready-to-use formulation offers the same fine filtration and low-ionic levels of NovaClean with the addition of isopropyl alcohol to speed drying time. With its extremely high evaporation rate, NovaHol is ideal for cleaning glass, acrylic, vinyl curtains and stainless steel surfaces.

NovaHol is available in an easy-to-use quart size spray bottle and can be applied directly to the surface being cleaned. Gallon refill bottles are also available.

- Filtered to 0.1 Microns
- Low Sodium
- Ready-To-Use
- Fast Drying

Part No.	Description
----------	-------------

NH1-Q	Quart
-------	-------

NH1-G	Gallon
-------	--------





NovaClean™ Lab & Glass Cleaner



Cleanroom Detergent for Work Stations and Glass

A ready-to-use formulation which mirrors the fine filtration and low ionic properties of the NovaClean Floor Cleaner. NovaClean Lab & Glass Cleaner offers a viable non-solvent option for cleaning acrylic, stainless steel and painted surfaces.

NovaClean Lab & Glass Cleaner is available in an easy-to-use quart size spray bottle and can be applied directly to the surface being cleaned. Gallon refill bottles are also available.

- Filtered to 0.1 Microns
- Low Sodium
- Bio-Degradable
- Ready-To-Use

Part No.	Description
NC2-Q	Quart
NC2-G	Gallon

MegaClean™ Heavy-Duty Cleaner



The Safer Alternative to Toxic and Flammable Solvents

MegaClean Heavy-Duty Cleaner is a solution which offers an effective alternative to toxic and flammable solvent-based cleaners, such as acetone and isopropyl alcohol.

The non-flammable, bio-degradable formulation is an ideal spot cleaning solution and easily removes grease, adhesives and photo-resist stains from most surfaces. Filtered to 0.1 microns, it is geared to semiconductor, electronics and aerospace operations where regulations on ozone-depleting compounds have led engineers to look for effective replacements.

- Filtered to 0.1 Microns
- Non-Flammable
- Bio-Degradable
- Water Soluble
- Effective at Low Concentrations

Part No.	Description
MC1-Q	Quart
MC1-G	Gallon
MC1-5G	5 Gallon
MC1-55G	55 Gallon
MC1-C20	Pre-Saturated Wipes, 20 Count Canister



MegaClean pre-saturated heavy-duty polypropylene wipes measure 10" x 10", contained in a resealable pop-top canister



NovaHol™ Pre-Saturated Wipes



This melt-blown polypropylene wipe is saturated with the NovaHol blend of low ionic cleaner and IPA. Ideal for cleaning stainless steel fixtures, soft walls, curtains and cabinets. NovaHol works well on both glass and plexiglass exteriors – such as isolators and containment cabinets and will clean softwalls and cleanroom curtains. Limited alcohol content is proven to lower bio-burden on surfaces.

Part No.	Description
NH1-C25	25 Count





MegaSwats™

- Clean around and under heavy process equipment or calibrated apparatus
- Flexible HDPE interior
- Variety of fabric covers available
- Custom sizes available

Part No.	Description
QDMS-1	MegaSwat Adapter 16" Blade
MS-6	MegaSwat Cover

Additional Sizes Available



Tank Tool

- For cleaning tanks and cylinders
- Curved design provides better surface contact
- Covers available in a variety of fabrics

Part No.	Description
QDSLTT-14	Tank Tool Adapter
MZSM6AA-14	Microfiber Cover



Additional variations available

M-Zone MittWipes™

- Easily clean around carts, shelving, tanks, tubing and other hard to clean areas
- Added protection in cleanroom maintenance, LAR applications
- Secure cleaning for hard to reach areas
- 100% Polyester for standard use
- MegaTex fabric for heavily soiled or rough surfaces

Part No.	Description
MW6-1211	MittWipes Polyester w/foam interior
MW20-1211	MittWipes MegaTex w/foam interior



FlexBrush™ Adapter

- Clean overhead pipes, coving and deep tanks
- Bendable brush with polyester or microfiber cover
- Acme threaded end attaches to a variety of handles for extended reach

Part No.	Description
FB-12	12" Long FlexBrush Adapter
FBC-611	FlexBrush NovaPoly Cover
FBC-AA	FlexBrush Microfiber Cover



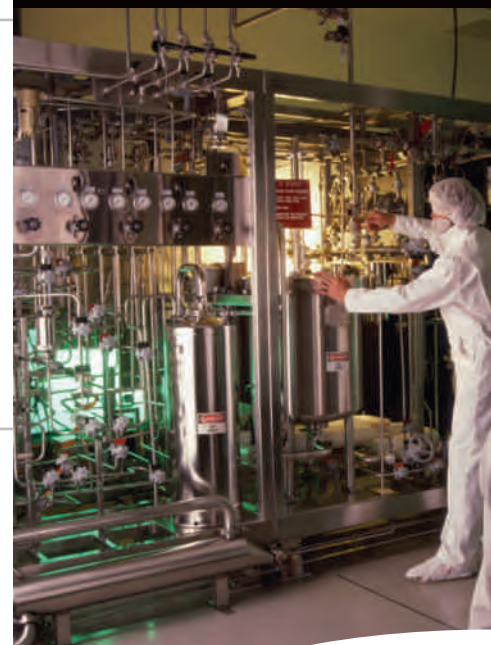
M-Zone™ Bottle Brushes

- 3.25" x 5" Bristle head with 16" handle
- Available in 5 colors for color coding

Part No.	Description
BRWH-01	White Bottle Brush
BRDB-01	Blue Bottle Brush
BRDG-01	Green Bottle Brush
BRRE-01	Red Bottle Brush
BRYE-01	Yellow Bottle Brush

THE
A
Z
O

Many cleaning challenges
of simple surface cleaning
and hoods, piping, tanks
a challenge whether after
day-to-day operation. The
products offer a range of
complex cleaning tasks.



Micro
MANUFACTURING

the M NE™

s fall outside the realm

g. Isolators, safety cabinets

and chambers all pose

r shut down or during

e Micronova M-Zone™

tools to match these



onova®
URING INC.

LabMarkers™

- Alcohol resistant ink marks on cold or wet surfaces
- Permanent on most surfaces
- Fine Tip Black Ink
- Fast Drying
- Available Gamma Irradiated

Part No.	Description
PEN-30	LabMarker
PEN-30IR	LabMarker Irradiated



M-Zone™ Bucket Liners

- Creates impermeable barrier between disinfectant and receptacle
- Fits B-7 series of buckets
- Easier transport of liquids out of controlled area
- Gamma Irradiated

Part No.	Description
B7BL-IR	Bucket Liners Irradiated



About Face™ Cleansing Wipes

- Pre-moistened cleansing wipe
- Gentle enough for the face but can be used as a pre cleaning wipe to remove surface grime and soil prior to gloving or sanitizing hands
- Convenient single use pouch
- Alcohol free
- Biodegradable substrate

Part No.	Description
MMR-01S	About Face Cleansing Wipes

SilSat™ Wipes

- Lubricates fill lines, gaskets and seals in isolators, refrigerators and cabinets in aseptic processing and support areas
- Polyester wipe impregnated with a blend of medical grade silicone and IPA
- Eliminates the use of messy spray lubricants in controlled areas
- Gamma Irradiated

Part No.	Description
SSW6-01IR	8 Count Pack SilSat Wipes



BagCutters

- Automatically retractable safety blade guard
- Ergonomic handle
- No blade changes required – eliminates all loose blades
- Gamma Irradiated

Part No.	Description
BC-01IR	Irradiated BagCutter



MicroDispenser™

A compact, gravity-fed, touch free dispensing unit with no tubes or pump assembly.

The M-Zone MicroDispenser™ effectively reduces the risk of cross-contamination and waste in the cleanroom and supporting areas. The dispenser delivers a consistent, pre-measured dose of soap, sanitizer or lotion into the palm of the hand cleanly, safely and economically.

The unit is activated by an electronic eye, dispensing a predetermined amount of liquid when the infrared beam is interrupted by a hand or wiper. The unit operates on four "AA" size batteries.

Part No. ICDISP-3



Also available:

Touch Free Dispenser

- Touch free reduces risk of cross contamination
- Ease of use promotes more frequent washing
- Delivers pre-measured amount of soap
- Operates on 4 D size batteries

Part No. ICDISP-1



NovaClenz™ To-Go!

As companies seek ways to limit contamination – within and outside processing areas – the handy 2 oz presentation will appeal to both quality control and human resource departments. The elliptical 2 oz bottle easily fits into pockets, purses and briefcases.

Part No. IC-210S

Even in processes where gloves are used, the operator has to guard against cross-contamination to minimize bio-burden

The Touch Free Dispensers offer cost and contamination control

AquaHol™**70% / 30% Isopropyl Alcohol Solution**

- 70% IPA in 30% WFI
- Terminally filtered to 0.1 microns
- Gamma irradiated
- Double bagged
- Certificate of sterility
- 500ml size

Part No. IC-220

**LoNa Soap™****Low Sodium Hand & Glove Cleanser**

- Low sodium hand and glove cleanser
- Low sudsing
- Extremely low ion counts – less than 100 ppb sodium
- pH balanced
- 500ml size

Part No. IC-120

BioClenz™**Chlorhexidine Gluconate (CHG) Hand Soap**

- 2% CHG (Chlorhexidine Gluconate) hand soap
- Rapid and persistent action against all gram positive and gram negative organisms
- High sudsing emollient base
- Ongoing kill rate (up to six hours)
- Ideal for environments where hands are exposed to infectious pathogens
- 16 fl oz size

Part No. IC-320

**NovaDerm™****Barrier Protectant Lotion (with Antimicrobial)**

- Barrier protectant lotion with antimicrobial
- Softens dry skin
- Silicone barrier protects skin from irritants
- Effective barrier and moisturizer with or without gloves
- 500ml size

Part No. IC-510

Hy-G-Clenz™**Anti-bacterial Soap**

- .3% Triclosan anti-bacterial hand soap
- Effective against a wide range of both gram positive and gram negative bacteria
- Contains natural moisturizers, ideal for frequent hand washing
- pH balanced
- Meets OSHA standards
- 500ml size

Part No. IC-420

**NovaDyne™****General Purpose Soap**

- General purpose hand soap
- Gentle effective cleaning
- pH balanced
- Built in moisturizers/skin emollients
- 500ml size

Part No. IC-110



Cleanroom Tapes

Ordering Tape in Three Easy Steps

Micronova stocks over 300 different types, colors and widths of cleanroom tape to ensure we meet your specific needs.

Follow the three steps shown in the example below and use the codes shown on the right when placing your order.

Still have questions? Just give us a call!

Example: **CR100PC-1WH**

Type of Tape (CR100PC) Width of Tape (1") Color of Tape (White)



Metric Conversion Chart for Tape Sizes

Fractional Size	Decimal Size	Metric Size
1/4"	.25"	6.35 mm
3/8"	.375	9.525 mm
1/2"	.50"	12.70 mm
3/4"	.75"	19.05 mm
1"	1.0"	25.40 mm
1-1/2"	1.50"	38.10 mm
2"	2.0"	50.80 mm
3"	3.0"	76.20 mm
4"	4.0"	101.60 mm
36 yards		32.9184 Meters

Look for the "F" Symbol for Food Processing Applications

F The low-outgassing combination of polyethylene and acrylic make the PCX and EGP tapes the perfect choice for food grade processing. *See page 21 for details.*

Vinyl Tape Ordering Codes

All Vinyl Tapes are available in these widths and colors:

Vinyl Tape Width Codes

1/4"	= 14
3/8"	= 38
1/2"	= 12
3/4"	= 34
1"	= 1
1-1/2"	= 15
2"	= 2
3"	= 3
4"	= 4

Custom sizes available upon request.

Vinyl Tape Color Codes

Black	= BL
Gray	= GR
Brown	= BR
Red	= RE
Orange	= OR
Yellow	= YE
White	= WH
Purple	= PU
Dark Blue	= DB
Light Blue	= LB
Dark Green	= DG
Light Green	= LG
Transparent	= TR

Polyethylene Tape Ordering Codes

All Polyethylene Tapes are available in these widths and colors:

Polyethylene Tape Width Codes

3/4"	= 34
1"	= 1
1-1/2"	= 15
2"	= 2
3"	= 3
4"	= 4

Custom sizes available upon request.

Polyethylene Tape Color Codes

Black	= BL
Red	= RE
Orange	= OR
Yellow	= YE
White	= WH
Dark Blue	= DB
Dark Green	= DG
Transparent	= TR



Vinyl Tapes

EGV™ Industrial Grade Vinyl Tape

A vinyl tape for cleanroom support applications. Processed in a controlled environment, tapes are wound on a plastic core and sleeve bagged. Complies with Federal Specification PPP-T-66E and CID A-A 1689A.

(Example Part Number - 1" White Tape: EGV-1WH)

- Light industrial use
- Clean construction
- Cleanroom support
- Forms strong bond without leaving adhesive residue
- Can be written on with cleanroom pen
- Available in nine colors, plus black, white and transparent
- Available in a variety of widths
- Roll Length: 36 Yards

CR100PC™ Vinyl Tape

The CR100PC Cleanroom Tape is a vinyl tape specially processed for applications in and around the cleanroom. The synthetic rubber adhesive ensures a clean peel from most cleanroom surfaces such as polyethylene, plastics and stainless steel. CR100PC is processed and packaged in a cleanroom. Complies with Federal Specification PPP-T-66E and CID A-A 1689A

(Example Part Number - 1" White Tape: CR100PC-1WH)

Also available double-bagged. Part Number: CRV

(Example Part Number - 1" White Tape: CRV-1WH)

- Conformable – ideal for sealing curved and irregular surfaces
- Matte finish can be written on with cleanroom pen
- Aisle marking
- Labeling
- Clean packaging
- Color coding
- Available in nine colors, plus black, white and transparent
- Available in a variety of widths
- Roll Length: 36 Yards

Polyethylene Tapes

EGP™ Industrial Grade Polyethylene Tape



A polyethylene tape for applications where ultra-clean tape is not required. The polyethylene backing with acrylic adhesive has low outgassing and good clean-peel properties. Processed in a controlled environment, EGP tapes are wound on a plastic core and sleeve bagged.

(Example Part Number - 1" White Tape: EGP-1WH)

- Cleanroom Support Areas
- Maintenance
- Clean Build Projects
- Available in eight vibrant colors
- Available in a variety of widths
- Roll Length: 36 Yards

PCX™ Polyethylene Tape



The PCX tape is a low density polyethylene tape low in halogens and leachable chlorides. PCX is processed and packaged in a cleanroom. The polyethylene film and acrylic adhesive lessen the chance of outgassing. PCX offers excellent chemical resistance and good conformability. Works well with polycarbonates, glass and acrylics.

(Example Part Number - 1" White Tape: PCX-1WH)

Also available double-bagged. Part Number: CRP

(Example Part Number - 1" White Tape: CRP-1WH)

- Color coding
- Sealing
- Labeling
- Wafer box sealing
- Over labeling (protect paper labels in water baths)
- Available in eight vibrant colors
- Available in a variety of widths
- Roll Length: 36 Yards

Cleanroom Tapes



M-Zone™ CuffStrip™ Tape

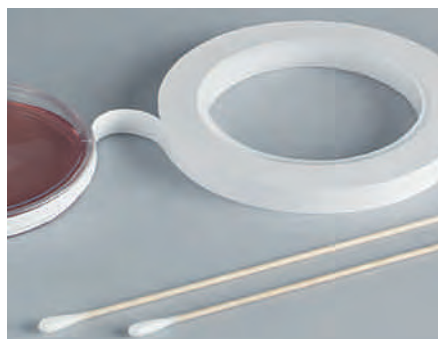
A conformable polyethylene tape used to ensure an effective seal between the glove and garment in critical environments. CuffStrips are 18 inches in length and feature a heavy liner for easy separation. Each double-bagged pack contains two strips of tape.

2" Part Number: CST-218WHIR

Also available in super tack version for ERT and first responder kits.

2" Part Number: CSTX-2DBIR

- Seals glove to garment
- Protects worker and product
- Will not damage garment
- Leaves no residue
- Gamma irradiated
- Full lot traceability
- Available in 2" and 3" widths
- CST available in White only, CSTX in Dark Blue only



CR100IR™ Tape Irradiated Cleanroom Tape

CR100IR is an ultra-processed, irradiated vinyl tape which helps to limit particulate and bioburden counts. Processed in a ISO 4 environment, wound on a plastic core and double bagged, the tape comes with full certification of irradiation and lot traceability.

(Example Part Number - 1" White Tape: CR100-1WHIR)

- Critical and aseptic processing applications
- Media preparation
- Batching
- Color-coding
- Packaging
- Available in the same colors and widths as the Vinyl Tapes shown on page 18



EZT™ Construction Tape

EZT Construction Tape is a high tack polyethylene tape with a rubber adhesive. The unique serrated edge allows an easy tear at any length when blades and dispensers are not available.

1" Part Number: EZT-1WH

2" Part Number: EZT-2WH

- Clean construction
- Easily bonds different mediums
- Serrated edge for easy tear
- Aggressive adhesive
- Available in 1" and 2" widths
- Roll Length: 36 Yards
- White only

Paper Labels Coming Off in Water Baths?

Try over-labeling them with Micronova's transparent Polyethylene Tape



CSLB™ MicroSeal™ Tape

For cleanroom gowning this conformable polyethylene tape can be used to ensure an effective seal between the glove and garment. Perforations at 3" intervals allow the user to bind and tear at the optimum length to secure the glove. The low outgassing polyethylene film will remove cleanly, leaving no adhesive residue. MicroSeal Tape is wound on a 3" plastic core with no liner, meaning less packaging and waste to discard.

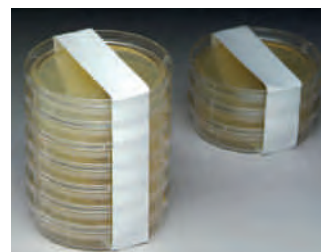
- Available in 2" and 3" widths
- Also available Irradiated
- Available in 18 or 36 Yard lengths
- White only

For plate sealing, bundling and labeling applications the excellent peel/reseal properties combined with the easy tear perforations make MicroSeal Tape the ideal choice. The tape can be written on with fiber tip and permanent markers.

1" x 18 Yard Part Number: CSLB-1WH

1" x 36 Yard Part Number: CSLB-136WH

- Available in 1/2", 3/4", and 1" widths
- Also available Irradiated
- Available in 18 or 36 Yard lengths
- White only





CGT™ Conductive Grid Tape

CGT Conductive Grid Tape is a special polypropylene tape layered with a non-sparking, anti-static surface on the inside and outside of the tape. The conductive grids are embedded between two anti-static layers.

1" Part Number: CGT-1

- ESD sensitive environments
- Static shield
- Sealing
- Packaging
- Prevents static build up
- Available in 3/8", 1/2", 3/4", 1", 1-1/2", 2", and 6" widths
- Roll Length: 36 Yards
- Clear with Grid Pattern



Look for the "F" Symbol for Food Processing Applications

Micronova's **PCX**, **EGP**, **CRP** and **CRPIR** series Polyethylene tapes comply with FDA approval for indirect food contact.

These tapes can be used for packaging, sealing and coding and conform to the following specs and standards:

U.S. Code of Federal Regulations, Title 21, Part 175 – Indirect Food Additives: Adhesives and Components of Coating
SubPart B, Section 175.105 Adhesives
SubPart C, Section 175.300 Resinous & Polymeric Coatings



825 Extreme Temperature Polyimide Film Tape

A transparent amber polyimide film with pressure sensitive silicone adhesive. The extreme heat resistant properties (-100°F to 500°F) of this tape make it suitable for high heat and sub zero applications. The silicone adhesive ensures a clean release from most substrates even after being exposed to extreme temperatures.

1" Part Number: 825-1AM

- Flame resistant electrical insulation
- Solder mask for circuit boards
- Heat sealing
- Lamination
- Cold storage
- Lyophilizing
- Freeze drying
- Available in 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/2", 2", 2-1/2" and 3" widths
- Roll Length: 36 Yards
- Amber only



MTP™ MegaTape™

MegaTape is a medium density polyethylene tape with conformability similar to vinyl tapes. Low in halogens and leachable chlorides and backed with an acrylic adhesive, MegaTape is very low in outgassing. Excellent resistance to UV, moisture, acids, alkalis, oils, abrasion and weathering. The high-tack adhesive provides superior sealing abilities but removes cleanly with no adhesive residue. Sleeve bagged and available in a variety of widths.

1" White Part Number: MTP-1WH

- Available in 3/4", 1", and 2" widths
- Roll Length: 36 Yards
- White only



NovaStat™ Anti-Static Tape

NovaStat tape is a transparent tape specially designed for use in ESD-sensitive environments.

1" Part Number: ASTPC-172

- ESD sensitive environments
- Sealing
- Packaging
- Will not create a static charge
- Available in 1/2", 3/4", 1" and 2" widths on 3" plastic core
- Roll Length: 72 Yards
- Clear only
- Available 3/4" width x 36 Yards on 1" plastic core
Part Number: ASTPC-3436

SST™ Black & Yellow Striped Safety Tape

SST is a black and yellow striped pressure sensitive tape for delineating and color coding specific equipment and areas. This laminated vinyl tape is scuff resistant and holds up well to solvents, humidity and oil. SST is wound on a plastic core and cleanroom processed.

2" Part Number: SST18-2BLYE

- Available in 2" and 3" widths
- Roll Length: 18 Yards



Sponges & Wipes

Micronova's range of sponges and wipes has been developed as a disposable or re-usable commodity for applications found within cleanroom and sterile environments. The different configurations of wipers, sponges, mitts and lapping devices are designed with abrasion resistance, low-linting and absorbent features to best suit the application. Custom designs are a specialty.



NovaPoly™ Sponges & Wipes

- 100% Polyester
- Wipes feature inverted hem to guard against trapping or generation of particles through exposed seams
- Sturdy design
- Absorbent weave for increased wicking capability
- Sponges offer two ply polyester enclosing urethane foam
- Launderable
- Autoclavable
- Resistant to strong disinfectants
- Available in a variety of sizes

Part No.	Description
SP6-363	3" x 6" x 3" NovaPoly Sponge
SP6-46	4" x 6" NovaPoly Sponge
WP6-99H	9" x 9" NovaPoly Wiper
WP6-99HIR	9" x 9" NovaPoly Wiper - Irradiated
WP6-1818H	18" x 18" NovaPoly Wiper

Additional sizes and custom sizes available. Also available irradiated.



PolyMesh™ Sponges

- 100% Polyester covered in Polyester Abrasive Mesh
- Removes chemical deposits, photo resist and fluxes
- Clean alternative to household grade abrasive pads
- Will not shed or flake
- Holds up to strong disinfectants and steam sterilization
- Available in a variety of sizes

Part No.	Description
SP68-363	3" x 6" x 3" PolyMesh Sponge
SP68-46	4" x 6" PolyMesh Sponge
WP68-99H	9" x 9" PolyMesh Wiper

Additional sizes and custom sizes available. Also available irradiated.

NovaWipes™ & NovaSponges™

- Constructed from bonded, non-woven Polyvinyl Alcohol (PVA)
- 600% absorbency
- Low linting
- Extremely durable
- Soft and pliable, can be used wet or dry
- Sponges combine PVA over a urethane foam interior
- Launderable
- Available in a variety of sizes
- Not recommended for use with isopropyl alcohol

Part No.	Description
SP1-363	3" x 6" x 3" PVA Sponge
SP1-46	4" x 6" PVA Sponge
WP1-99	9" x 9" PVA Wiper
WP1-1212	12" x 12" PVA Wiper

Additional sizes and custom sizes available. Also available irradiated.

**NovaLite™ Sponges & Wipes**

- Constructed from a latex exterior bonded with rayon
- 400% absorbency
- Hard wearing
- Latex exterior offers increased friction resistance
- Sponges combine NovaLite over a urethane foam interior
- Holds up to strong disinfectants and steam sterilization
- Launderable
- Available in a variety of sizes

Part No.	Description
SP2-363	3" x 6" x 3" NovaLite Sponge
SP2-46	4" x 6" NovaLite Sponge
WP2-1012	10" x 12" NovaLite Wiper
WP2-1418	14" x 18" NovaLite Wiper

Additional sizes and custom sizes available. Also available irradiated.

**NovaCel™ Sponges & Wipes**

- Constructed from white PVA (Polyvinyl Alcohol)
- Absorbs 25 times its weight
- Broad chemical resistance
- Ultra-clean
- Holds up to strong disinfectants and steam sterilization
- Launderable

Part No.	Description
SP4-533	5" x 3.3" x 1/3" NovaCel Sponge
WP4-99	9" x 9" NovaCel Wipe
WP4-99IR	9" x 9" NovaCel Wipe - Irradiated

Additional sizes and custom sizes available. Also available irradiated.





MicroFiber Sponges & Wipes

- Constructed from 80% Polyester / 20% Polyamide
- Split MicroFiber material
- Over 400% absorbency
- Superior cleaning ability
- Sponges combine MicroFiber over a urethane foam interior
- Holds up to strong disinfectants and steam sterilization
- Available in a variety of sizes

Part No.	Description
SPAA-363	3" x 6" x 3" MicroFiber Sponge
SPAA-46	4" x 6" MicroFiber Sponge
WPAA-99	9" x 9" MicroFiber Wiper
WPAA-1218	12" x 18" MicroFiber Wiper

Additional sizes and custom sizes available. Also available irradiated.



MegaTex™ Sponges & Wipes

- Non-woven Polyamide fabric
- Textured thermo bonded surface
- Ideal for cleaning heavy soils, structured floors and other rough surfaces
- Sponges combine MegaTex over a urethane foam interior
- Holds up to strong disinfectants and steam sterilization
- Available in a variety of sizes

Part No.	Description
SP20-363	3" x 6" x 3" MegaTex Sponge
SP20-46	4" x 6" MegaTex Sponge
WP20-99	9" x 9" MegaTex Wiper
WP20-1218	12" x 18" MegaTex Wiper

Additional sizes and custom sizes available. Also available irradiated.



M-Zone MittWipes™

- Easily clean around carts, shelving, tanks, tubing and other hard to clean areas
- Added protection in cleanroom maintenance, LAR applications
- Secure cleaning for hard to reach areas
- Available in 100% Polyester for standard use
- Available in MegaTex fabric (for heavy soil clean up or rough surfaces) and MicroFiber (increased absorbency)
- All versions available with foam interior for increased absorbency

Part No.	Description
MW20-12	MegaTex MittWipe
MW20-1211	MegaTex MittWipe - Foam Interior
MW6-12	NovaPoly MittWipe
MWD6-1211	NovaPoly MittWipe - Double Foam Interior
MWAA-12	MicroFiber MittWipe
MWAA-1211	MicroFiber MittWipe - Foam Interior

Additional sizes and custom sizes available. Also available irradiated.



NovaHol™ Pre-Saturated Wipes



This melt-blown polypropylene wipe is saturated with the NovaHol blend of low ionic cleaner and IPA. Ideal for cleaning stainless steel fixtures, soft walls, curtains and cabinets. NovaHol works well on both glass and plexiglass exteriors – such as isolators and containment cabinets and will clean softwalls and cleanroom curtains. Limited alcohol content is proven to lower bio-burden on surfaces.

Part No.	Description
NH1-C25	25 Count Pack



SilSat™ Silicone Pre-Saturated Wipes



This polyester wipe is impregnated with a blend of medical grade silicone and IPA. The lubricated wipe does away with the need to use spray lubricants in sensitive and controlled environments. Will lubricate gaskets and seals in isolators, refrigerators and cabinets in aseptic processing and support areas. A valuable tool for cleaning and maintenance of mechanized equipment in critical areas. SilSat is also an economical alternative to spray lubricants in medical device and mold release applications. Gamma Irradiated.

Part No.	Description
SSW6-01IR	8 Count Pack



About Face™ Cleansing Wipes

Gowning protocols in clean and controlled areas often require that operators and visitors are free of make up and other cosmetics.

About Face Cleansing Wipes offer a pre-moistened cleansing wipe that is gentle enough for the face, but can also be used as a pre-cleaning wipe to remove surface grime and soil prior to gloving or sanitizing hands.

The poly blend wipe is pre-moistened with a gentle, alcohol free moisturizing lotion. Individually bagged, the About Face Cleansing Wipes are alcohol free and biodegradable.

Part No.	Description
MMR-01S	Case of 50

MegaClean™ Heavy-Duty Cleaner Pre-Saturated Wipes

The Safer Alternative to Toxic and Flammable Solvents



MegaClean Heavy-Duty Cleaner is a solution which offers an effective alternative to toxic and flammable solvent-based cleaners, such as acetone and isopropyl alcohol.



The non-flammable, bio-degradable formulation is an ideal spot cleaning solution and easily removes grease, adhesives and photo-resist stains from most surfaces. Filtered to 0.1 microns, it is geared to semiconductor, electronics and aerospace operations where regulations on ozone-depleting compounds have led engineers to look for effective replacements.

MegaClean pre-saturated heavy-duty polypropylene wipes measure 10" x 10", contained in a re-sealable pop-top canister

- Filtered to 0.1 Microns
- Water Soluble
- Non-Flammable
- Effective at Low Concentrations
- Bio-Degradable

Part No.	Description
MC1-C20	Pre-Saturated Wipes, 20 Count Canister



Cleaning Kits for Isolators, Hoods & Compounding Rooms

Micronova introduces a line of products designed specifically to deal with the cleaning and maintenance challenges necessary to meet the requirements of USP 797. All hardware components are designed to cope with high heat and strong disinfectants. Polyester mop heads are economical, launderable and autoclavable.



Isolator Kit Part No. ITC6-9K

The Isolator Kit includes:

- One 9-inch Isolator Tool Adapter
- 1 case of 50 NovaPoly Slip Covers
- One 12-inch Stainless Steel Handle

Separate components are designed to fit into small pass-thrus and docking devices and still allow extended reach once assembled.

Also available Irradiated.
Part Number: ITC6-9IRK

Plastic Isolator Kit Part No. ITC6-K1

The Plastic Isolator Kit includes:

- One 9-inch Plastic Isolator Tool Adapter
- 10 each NovaPoly Slip Covers
- One 12-inch Fiberglass Handle



Hood Kit Part No. HK6-10

The Hood Kit includes:

- One T-Mop adapter in the popular 10-inch width
- One 25-inch Stainless Steel Handle to reach the back/ceiling of the hood
- One case of 12 NovaPoly T-Mop Covers
- One MittWipe Handheld Wiper

The Hood Kit has been designed with size and economy in mind.

Also available Irradiated.
Part Number: HK6-10IR



Compounding Room Kit Part No. CK6-14

The Compounding Room Kit includes:

- One 14-inch Wide SlimLine Mop Adapter
- One 38 to 72-inch Extendible Stainless Steel Handle
- One case of 12 NovaPoly SlimLine Mop Covers for cleaning floors, walls and ceilings
- One SlimLine Bucket with Casters and a Slim "T" Wringer
- One MittWipe Handheld Wiper

Also available Irradiated.
Part Number: CK6-14IR

Controlled manufacturing often is in the form of an isolator or compounding hood. Size of pass thru and docking devices require that special cleaning tools have to be used.



Cleanroom Pens

A low-sodium ink pen designed with a special poly barrel to limit particle generation. 10 per pack/10 packs per case. Available in Black, Blue and Red. Also available Gamma Irradiated.

Part No.	Description
PEN-01	Low Sodium Ink Pen Black
PEN-02	Low Sodium Ink Pen Blue
PEN-03	Low Sodium Ink Pen Red
PEN-01IR	Low Sodium Ink Pen Black - Irradiated
PEN-02IR	Low Sodium Ink Pen Blue - Irradiated
PEN-03IR	Low Sodium Ink Pen Red - Irradiated

Sharpie® Irradiated Marker

Sharpie® Fine Point Marker, the industry standard, original pen style permanent marker. Marks and is permanent on most surfaces. Fade and water resistant ink. Quick drying, non-toxic, alcohol-based ink formula. Gamma Irradiated, double bagged, 4 per package.

Part No.	Description
PEN-20IR	Sharpie® Irradiated Fine Point Marker - Irradiated

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LabMarker™

LabMarkers feature permanent, quick drying, alcohol resistant ink that marks on cold or wet surfaces, plastic bags or disposable labware. Marks will not smear on reusable glass, metal or porcelain labware but can be scrubbed off. Fine tip, black ink. Available gamma irradiated.

Part No.	Description
PEN-30	LabMarker
PEN-30IR	LabMarker Irradiated



NovaSpill™

The NovaSpill cleanroom spill pillow offers excellent absorbency coupled with cleanroom compatibility. A 28" cylinder composed of 100% polyester strips contained in a polyester sleeve, the NovaSpill is low-linting with good chemical resistance for use at wet decks and similar processing stations. Easy to maneuver, the NovaSpill can be used for spill containment and to stem moisture flow. Will absorb up to 850 ml of liquid. Custom sizes available.

Part No.	Description
NS6-28	NovaSpill Pillow
NS6-28IR	NovaSpill Pillow - Irradiated



J-Zone NovaSorb™ Mop

- String mop made from Sontara® material
- Economic design allows for single use
- Absorbent and lightweight

Part No.	Description
JZMZCRMS-LB	Case of 12 NovaSorb Mops
MH-1	MicroMop Handle



J-Zone MegaSorb™ Mop

- String mop made from microfiber material
- For applications requiring high absorbency
- Longer lasting than traditional cotton mops

Part No.	Description
JZMZCRMS-10	Case of 50 MegaSorb Mops
MH-1	MicroMop Handle

Upgrade your standard line janitorial supplies with our selection of J-Zone products. Ideal for lab support and non GMP applications.

The J ZONE

Drain Brush

- Cleans floor drains
- Black bristles for color coding

Part No.	Description
BRBL-46	Floor Drain Brush
BRHFD-36	Floor Drain Brush Handle, 36"

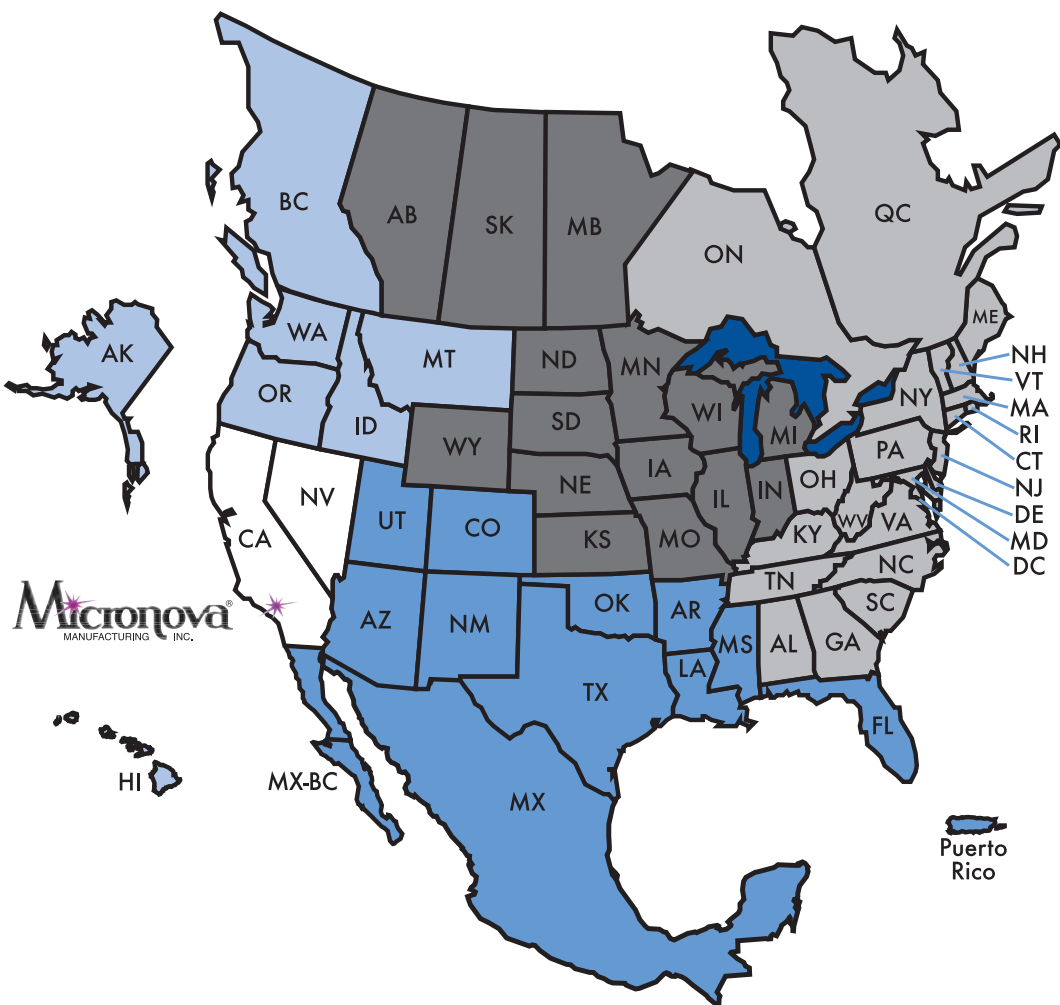


WrapMop™

- Quality features of covered foam combined with economical design
- Angled head for easy application of disinfectant or detergent
- Aluminum frame available in 18" & 14" widths
- Mops available in Polyester, Microfiber or MegaTex™ fabrics

Part No.	Description
QALF-14 & 18	Aluminum WrapMop Adapter 14" or 18"
ALUMEH-08	Aluminum Ext. Handle 48" - 96"
ALUMEH-20	Aluminum Ext. Handle 108" - 240"
WM612-14 & 18	NovaPoly WrapMop 14" or 18"
WM62012-14 & 18	MegaTex WrapMop 14" or 18"
WM6AA12-14 & 18	Microfiber WrapMop 14" or 18"

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