



M&G PRODUCTS CO.,LTD.



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ABOUT US

M & G Products Co. Ltd. is a specialized supplier of medical and healthcare products. We try our best to offering the best services to customers with our abundant experience.

Our company all products have the CE and ISO certificate.

Specifically, our main products include hospital equipment, medical instruments, health & home care products, medical disposable products, surgical dressings and laboratory products. We have developed quickly by the supporting from our customers all over the world, especially from customers in EU, South America, Africa and so on. We continue working hard for the satisfaction of customers and keeping developing of our company.

Providing "High Quality Products, Excellent Service, Competitive Prices and Prompt Delivery", we are now looking forward to even greater cooperation with overseas customers based on mutual benefits. Please feel free to contact us for more information.

Quality Certificates



Self-seal Sterilization Pouches - Paper/film



◆ Brief advantages of Pack Self-seal Sterilization Pouches:

- Medical grade paper with technic 60gsm or 70gsm is an effective barrier against germs and bacteria;
- yet it permits the transmission of air, steam or sterilization gas;
- Reinforced film to avoid tear during opening;
- Peel-easy film permits film separate from paper with no shatters;
- Clean and accurate indicator color change;
- Tear, fibre-free opening and aseptic presentation;
- Triple band seal for higher package integrity which effectively avoiding crack;

Pack self-seal sterilization pouches are pre-folded and assure quick and secure closing without a heat sealer. They are especially suited for use in small general practices, dental surgeries and by users who do not want to pay additional costs of sealing devices.

Pack self-sealing sterilization pouches are constructed from medical grade paper and transparent PET/PP multi-layer copolymer film and adhesive strip. Two water based, non-toxic process indicators for steam and ethylene oxide sterilization are imprinted on the paper surface which prevents the instrument from colored and help to differentiate between processed and unprocessed packages. Formaldehyde(FORM) indicator available upon request as well.



Strong self-seal design

Double stitched top edge can be sealed quickly and effectively without professional seal equipment.

◆ Standards:

Pack self-seal sterilization pouches comply to FDA, EN868, ISO11607 and ISO11140-1 standards.

◆ Specification Sheet

Pack self-seal sterilization pouches:

ITEM NO	SIZES	PACK(PCS/BOX)
MGSF-057130	57mm*(100+30)mm	200
MGSF-070260	70mm*(230+30)mm	200
MGSF-090165	90mm*(135+30)mm	200
MGSF-090260	90mm*(230+30)mm	200
MGSF-135280	135mm*(250+30)mm	200
MGSF-190360	190mm*(330+30)mm	200
MGSF-200320	200mm*(290+30)mm	200
MGSF-200360	200mm*(330+30)mm	200
MGSF-230395	230mm*(365+30)mm	200
MGSF-305430	305mm*(400+30)mm	200
MGSF-400535	400mm*(505+30)mm	200
MGSF-500630	500mm*(600+30)mm	200

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

◆ Sterilization Color Change

Turn to Black from Blue under steam sterilization:

Steam Indicator before Sterilization: Blue



Steam Indicator after Sterilization: Black

Turn to Yellow from Pink under EO sterilization:

EO Indicator before Sterilization: Pink



EO Indicator after Sterilization: Yellow

Heat-Sealing Sterilization Reels (Pouches) Flat and Gusseted - Paper/Film



Pack heat-sealing sterilization reels (pouches) are universal packaging solution for sterilization applications. They assure reliable and effective protection of the medical instruments against contamination with bacteria from the time of sterilization until use of the sterile medical instruments.

Flat and gusseted type and wide range of standard sizes perfectly satisfy almost all the packaging demands of light and medium weight instruments and sets.

Pack heat-sealing sterilization reels (pouches) are constructed from medical grade paper and transparent PET/PP multi-layer copolymer film. Two water based, non-toxic process indicators for steam and ethylene oxide sterilization are imprinted on the paper surface which prevents the instrument from colored and help to differentiate between processed and unprocessed packages. Formaldehyde(FORM) indicator available upon request as well.



◆ Standards:

Pack heat-seal sterilization reels and pouches comply to FDA, EN868, ISO11607 and ISO11140-1 standards.

Turn to Black from Blue under steam sterilization:

Steam Indicator before Sterilization: Blue



Steam Indicator after Sterilization: Black

Turn to Yellow from Pink under EO sterilization:

EO Indicator before Sterilization: Pink



EO Indicator after Sterilization: Yellow

◆ Brief advantages of Pack Heat-seal Sterilization Reels and Pouches:

- Medical grade paper with technic 60gsm or 70gsm is an effective barrier against germs and bacteria;
- yet it permits the transmission of air, steam or sterilization gas;
- Reinforced film to avoid tear during opening;
- Peel-easy film permits film separate from paper with no shatters;
- Clean and accurate indicator color change;
- Tear, fibre-free opening and aseptic presentation;
- Triple band seal for higher package integrity which effectively avoiding crack;

Pack heat-seal sterilization reels flat - paper/film

◆ Specification Sheet



ITEM NO	SIZES	PACK(REELS/CTN)
MGHR-050200	50mm(2")*200m	12
MGHR-055200	55mm(2.2")*200m	12
MGHR-075200	75mm(3")*200m	8
MGHR-100200	100mm(4")*200m	6
MGHR-150200	150mm(6")*200m	4
MGHR-200200	200mm(8")*200m	2
MGHR-250200	250mm(10")*200m	2
MGHR-300200	300mm(12")*200m	2
MGHR-350200	350mm(14")*200m	2
MGHR-400200	400mm(16")*200m	2
MGHR-450200	450mm(18")*200m	2
MGHR-500200	500mm(20")*200m	2
MGHR-600200	600mm(24")*200m	2

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

Pack heat-seal sterilization reels gusseted - paper/film

◆ Specification Sheet



ITEMS NO	SIZES	PACK(REEL/CTN)
MGHG-075100	75mm(3")*100m	8
MGHG-100100	100mm(4")*100m	6
MGHG-150100	150mm(6")*100m	4
MGHG-200100	200mm(8")*100m	2
MGHG-250100	250mm(10")*100m	2
MGHG-300100	300mm(12")*100m	2
MGHG-350100	350mm(14")*100m	2
MGHG-400100	400mm(16")*100m	2

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

Pack Heat-Sealing Sterilization Pouches Flat - Paper/Film

◆ Specification Sheet

ITEM NO	SIZES	PACK(PCS/CTN)
MGHP-075200	75mm*200mm	9600
MGHP-075300	75mm*300mm	6400
MGHP-100200	100mm*200mm	6400
MGHP-100300	100mm*300mm	4800
MGHP-150300	150mm*300mm	3200
MGHP-200400	200mm*400mm	1600
MGHP-250450	250mm*450mm	1600
MGHP-300500	300mm*500mm	1200

All the above are standard items. Custom product sizes, colours and packing are available upon request.



Sterilization Reels and Pouches Flat - Tyvek/film



Tyvek is a non-woven polyethylene fabric manufactured by DuPont. It is known for its outstanding strength, durability and tear resistance. As well as industrial use for EO and Gamma sterilization, Tyvek is not suitable for steam sterilization, however perfectly compatible with the requirements of VH2O2 (plasma) sterilization. It is also the first option for gas sterilization, for Tyvek hardly absorbs any toxic gases and thus result in far below legal limit values of residual toxic gas levels.

Pack Tyvek sterilization reels and pouches are made of uncoated Tyvek web and transparent multi-layer PET/PP copolymer film is decisively determined by the choice of materials. Two water based, non-toxic process indicators for hydrogen peroxide sterilization are imprinted on the Tyvek surface which prevents the instrument from colored and help to differentiate between processed and unprocessed packages. Formaldehyde(FORM) indicator available upon request as well.

◆ Brief advantages of Pack Tyvek Sterilization Reels and Pouches:

- Excellent microbial barrier properties against germs, bacteria and moisture;
- Extremely high resistance to penetration and fibre-free peeling;
- Easy peel and aseptic presentation;
- Easy seal with old sealing machines;
- Clear and accurate color change.

◆ Standards:

Pack tyvek sterilization reels and pouches comply to EN868, ISO11607 & ISO11140 standards.



◆ Sterilization Color Change

Turn to Wine Red from Purple under plasma sterilization:

Plasma Indicator before Sterilization: Purple



Plasma Indicator after Sterilization: Wine Red



◆ Specification Sheet

Pack sterilization reels flat - Tyvek/film

ITEM NO	SIZES	PACK(PCS/BOX)
MGTR-050100	50mm(2")*100m	12
MGTR-075100	75mm(3")*100m	8
MGTR-100100	100mm(4")*100m	6
MGTR-150100	150mm(6")*100m	4
MGTR-200100	200mm(8")*100m	2
MGTR-250100	250mm(10")*100m	2
MGTR-300100	300mm(12")*100m	2
MGTR-350100	350mm(14")*100m	2
MGTR-400100	400mm(16")*100m	2
MGTR500100	500mm(20")*100m	2

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

Wrapping Material Crepe Paper

Pack crepe wrapping paper is made of 100% medical quality cellulose fibres and combines most economic wrapping with good drapability. It is particular packaging solution for lighter instruments and sets and can be used as either inner or outer wrapping.

Crepe is suitable for steam sterilization, ethylene oxide sterilization, Gamma ray sterilization, irradiation sterilization or formaldehyde sterilization in low temperature and is reliable solution for preventing cross contamination with bacteria. Three colors of crepe offered by KMN are blue, green and white and different sizes are available upon request.



◆ Brief advantages of Pack crepe wrapping paper:

- 45g, 50g, 60g are available upon request.
- medical grade paper with no smell, no powder and non-toxic;
- Excellent water resistance and bursting strength;
- High bacterial filtration efficiency (BFE);
- Proven microbial barrier.



◆ Specification Sheet

Pack wrapping material crepe paper

ITEM NO	SIZES	PACK(PCS/CTN)
MGCP-3030	30cm*30cm(11")	2000
MGCP-4040	40cm*40cm(16")	1000
MGCP-4545	45cm*45cm(18")	1000
MGCP-5050	50cm*50cm(20")	1000
MGCP-6060	60cm*60cm(24")	1000
MGCP-7575	75cm*75cm(30")	500
MGCP-9090	90cm*90cm(35")	250
MGCP-100100	100cm*100cm(40")	250
MGCP-120120	120cm*120cm(47")	200

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

Wrapping Material Non-woven - SMS/SMMS/SMMMS Fabric



Pack SMS, SMMS and SMMMS non-woven fabric are an extraordinarily water-proof and resilient non-woven material made of polypropylene fabric layers. They can be used either as inner or outer wrapping for medical devices and trays and available in 40g regular weight, 50g heavy duty and 60g multi-pac.

SMS, SMMS and SMMMS wraps as single or double wrapped are suitable for steam, ethylene oxide, hydrogen peroxide plasma and irradiation sterilization methods. The memory-free feature before and after sterilization, ensures good aseptic presentation.

◆ Comparison of SMS, SMMS and SMMMS Non-woven Fabric with 40g, 50g and 60g.

Layers		Construction	Features	Weight	Features
SMS non-woven fabric	three	two layer spunbond; one layer meltblown nonwovens inside	waterproof, breathable, anti-bacterial ,Low Shrinkage Rate	SMS/SMMS/SMM MS 40g	Light duty applications
SMMS non-woven fabric	four	two layer spunbond; two layer meltblown nonwovens inside	waterproof ,Good Air Permeability, better anti-bacteria, resistance to tears and punctures	SMS/SMMS/SMM MS 50g	All kind of wrapping applications
SMMM non-woven fabric	five	two layer spunbond; three layer meltblown nonwovens inside	waterproof,higher barrier protection and high level of air permeability, strong resistance to tears and punctures	SMS/SMMS/SMM MS 60g	Heavy duty applications

The spunbond layers (S) provide good filtration properties, tensile strength and are fluid repellent while the meltblown layers (M) ensure strong bacterial barrier properties with very small porous sizes.



◆ Specification Sheet

Pack Wrapping Material Non-woven

ITEM NO	SIZES	PACK(PCS/CTN)
MGNF-3030	30cm*30cm(11")	2000
MGNF-4040	40cm*40cm(16")	1000
MGNF-4545	45cm*45cm(18")	1000
MGNF-5050	50cm*50cm(20")	1000
MGNF-6060	60cm*60cm(24")	1000
MGNF-7575	75cm*75cm(30")	500
MGNF-9090	90cm*90cm(35")	250
MGNF-100100	100cm*100cm(40")	250
MGNF-120120	120cm*120cm(47")	200

All the above are standard items.
Custom product sizes, colours and packing are available upon request.

Sterilization Paper Bags Gusseted - Paper/Paper



Pack gusseted paper bags can apply to various medical materials and devices for sterilization purpose. They are made of medical paper coating with high temperature glue and are suitable for STEAM-, EO-, FORM-, and Gamma sterilization. Steam indicator are imprinted on the paper surface which prevents the instrument from colored and help to obviously indicate if the sterilization process is enough and distinguish the articles of sterilized and non-sterilized.

It is not possible to peel KMNPack paper bags. An aseptic removal is only feasible with scissors that assure effective and reliable protection of the sterile contents against contamination with unsterile dust.

◆ Brief advantages of Pack Sterilization Gusseted Paper Bags

- Medical grade paper with technic 60gsm or 70gsm is an effective barrier against germs and bacteria;
- Three-dimensional can increase the volume of the pouch;
- The lacquer strip at the filling end is heat-sealable for easy closing;
- The double-folded bottom seal and blue glue lines optimize safe use;
- The pouch has good breath ability that can prevent over expansion;
- Clean and accurate indicator color change.

◆ Sterilization Color Change

Turn to Black from Blue under steam sterilization:

Steam Indicator before Sterilization: Blue



Steam Indicator after Sterilization: Black



◆ Specification Sheet

Pack Sterilization Paper Bags Gusseted - Paper/Paper

ITEM NO	SIZES	PACK (PCS/CTN)
MGPB-A	90×50×150mm	1000
MGPB-B	90×50×250mm	1000
MGPB-C	110×30×190mm	1000
MGPB-D	140×75×250mm	1000
MGPB-F	140×50×330mm	1000
MGPB-G	140×50×360mm	1000
MGPB-H	180×95×380mm	500
MGPB-J	100×50×150mm	1000
MGPB-L	250×100×380mm	500
MGPB-P	190×65×330mm	500
MGPB-Q	110×45×190mm	1000

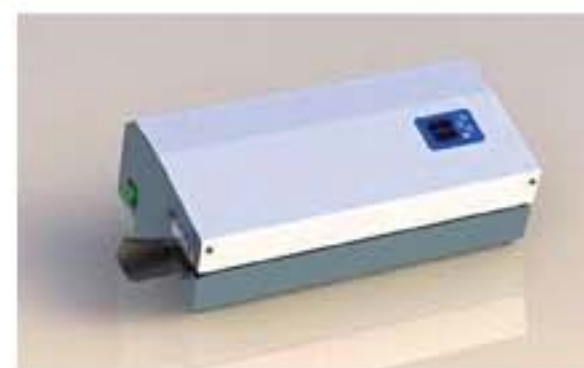
All the above are standard items.
Custom product sizes, colours and packing are available upon request.

MG100L Sealing Machine

- * Sealing speed 10m/min; Automatic controlled by sensor;
- * Power: 500W;
- * Seal width 12mm;
- * Voltage: 220V 50Hz (optional);
- * Seal strength meets YY/T 0698.5-2009 requirement;
- * Dimension: 482×242×157(mm);
- * Seal margin: 0~35mm (adjustable);
- * Weight: 15kg.



MG385 Cutter Automatically



- * Enamel baked shell.
- * 3.4" Light touch LCD.
- * English or Chinese is available for selection.
- * Settings: Cut length ranges from 1-1000cm, Cut amount ranges from 1-9999 pcs.
- * Total effective cutting width: 40cm.
- * Cutting speed: 1pc/0.4sec., 9000pcs/hr. when width 5cm, cut length 10cm, 6 rolls together.
- * Warnings with sounds: Normal, Done, No Feeding and Jam.
- * Power: 220V/50Hz, 110V/60Hz as option, 150W.
- * Fuse: 10A.
- * Size: 665*355*215 mm (W*D*H).
- * Weight: 25 kg.
- * After setting the length and amount of pouch needed to be cut, the cutter can automatically finishes the work controlled by the micro-programmer.

MD400 Easy Sealer (permanent heated)

- * Housing: Baked enamel house.
- * Sealed Width: 8mm
- * Pouch Limit: 30cm
- * Sealed Effect: Seal one track only.
- * Structure Advantage: A cutter is installed.



Chemical Indicator Tapes



Steam Indicator Tape



EO Indicator Tape



Plasma Indicator Tape



Pack chemical indicator tapes are the ideal and safe solution for dosing all wrapping materials. They are constructed from pressure semi-crepe paper which on one side is the adhesive glue and the other side is indicator strip are printed. The process indicator ink shows an easy and accurate color change and indicates if the pack has been processed.

The Pack chemical indicator tapes are designed for steam, E.O.Gas, Plasma and Formaldehyde sterilization processes and also provide a clean peel from the wrapping material. All chemical indicator tapes are available on OEM & ODM.

◆ Sterilization Color Change

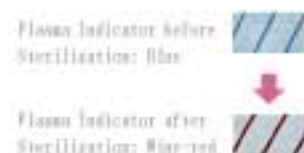
- Steam Indicator Tape



- EO Indicator Tape



- Plasma Indicator tape



◆ Standards:

Pack chemical indicator tape comply to EN867 & ISO11140 standards.

◆ Specification Sheet

Pack Chemical Indicator Tapes

DESCRIPTION	ITEM NO	SIZE	PACK(PCS/CTN)	COLOR CHANGE
Steam Indicator Tape	MGST-1250	12mm×50m	76rolls/ctn	Turn to Black (processed) from Beige (unprocessed) under steam sterilization
	MGST-1950	19mm×50m	48rolls/ctn	
	MGST-2550	25mm×50m	36rolls/ctn	
EO Indicator Tape	MGET-1250	12mm×50m	76rolls/ctn	Turn to Green (processed) from Red (unprocessed) under EO Gas sterilization
	MGET-1950	19mm×50m	48rolls/ctn	
	MGET-2550	25mm×50m	36rolls/ctn	
Plasma Indicator Tape	MGPT-1250	12mm×50m	76rolls/ctn	Turn to Wine-red (processed) from Blue (unprocessed) under plasma sterilization
	MGPT-1950	19mm×50m	48rolls/ctn	
	MGPT-2550	25mm×50m	36rolls/ctn	

Chemical Indicator Strips



Steam Indicator Strip



EO Indicator Strip



Plasma Indicator Strip

Pack chemical indicator strips are manufactured in absence of lead or other heavy metals. They are constructed from special card, standard color patch and indicator strip. The process indicator ink shows clear and accurate color change and indicates if the pack has been processed. The Pack chemical indicator strips are designed for steam, E.O.Gas and plasma sterilization processes. All chemical indicator strips are available on OEM & ODM.

◆ Standards: Pack chemical indicator strips comply to EN867 & ISO11140 standards.

◆ Specification Sheet of Pack chemical indicator strips

DESCRIPTION	ITEM NO	SIZE	PACK(PCS/BOX)	COLOR CHANGE
Steam Indicator Strip	MGSC - class 4	15mm*100mm (4")	200pcs/box	Turn to Black from Blue
		15mm*200mm (8")		
	MGSC - class 5	15mm*100mm (4") 15mm*200mm (8")	200pcs/box	Turn to Dark Blue from Light Blue
EO Indicator Strip	MGEC - class 4	15mm*100mm (4")	200pcs/box	Turn to Red from Blue under EO Gas sterilization
		15mm*200mm (8")		
Plasma Indicator Strip	MGPS	15mm*100mm (4")	200pcs/box	Turn to Wine-red from Blue under plasma sterilization

Bowie-Dick Test Pack/Paper



Bowie-Dick Test Pack



Bowie-Dick Test Paper

Pack Bowie-Dick Pack/paper are pre-assembled, single use test packs designed to detection of defects in the sterilization process. An indicator sheet printed with water based, non-toxic chemical indicator. The color change from blue to black of indicator after steam sterilization indicates that all air was removed and replace by steam.

◆ Brief advantages of Pack Bowie-Dick Test Pack/Paper:

- Easy-to-read test sheet with detailed instructions for use and interpretations of results
- Small size for easy handling and storage
- External process indicator for ready identification of processed test packs
- Totally reproducible and the test sheet will stay flat after the sterilization cycle

◆ Standards:

Pack Bowie-Dick Test Pack/paper comply with ISO11140-1, EN867-4 and ISO11140-4.

◆ Specification Sheet

Pack Bowie-Dick Test Pack/Paper

DESCRIPTION	ITEM NO	SIZE
Bowie-Dick Test Paper	MGED-01	111mm*121mm
Bowie-Dick Test Paper	MGED-02	210mm*300mm

◆ Sterilization Color Change

Turn to Black from Blue under steam sterilization:



Before Sterilization After Sterilization

Medical Grid Lacquer Coated Paper



Pack Medical Lacquer Coated Paper can be classified as hydrosol and hot melt glue. It suitable for steam/autoclave, EO and Gamma sterilization methods.

Scope of Application:

- Used in automatic online packaging with PE/PP Co-extrusion film for EO sterilization
- Used in paper/film pouch production with PE/PP Co-extrusion film for EO sterilization
- Used in heat sealing with PET/PETG/CPP blister pack for EO sterilization.

Material:

France Arjo Wiggins adhesive dialysis paper
Chinese Medical adhesive dialysis Paper

Standards:

Pack Medical Lacquer Coated Paper strictly comply with EN868-3 and EN868-6 standard.

Feature:

- The paper can be perfectly pasted with PE Co-extrusion film and peel easily
- Good stability, economical, cost-effective, stable supply
- No poisonous chemical material (benzole, hydrocarbons products) remaining
- Large amount of glue coating, good versatility, excellent adhesive strength and toughness, not easy to break
- Adopt resin extrusion method to coat the paper without using solvent.

Printed Original Paper



Material:

- French Arjo Paper
- Paper Made in China
- Coating Paper
- Self-adhesive Paper

Adaptation:

- Medical glove
- Infusion set
- Medical device
- Supplies and so on

Sterilization:

EO, Gamma-ray, Steam

Alcohol pad

Material: - Non woven

Feature:

- Use this product wipe, it is completely volatile, no residue in about 30 seconds after disinfection.
- Alcohol tablets can not only disinfection is also suitable for wild camping when the fire combustion!
- Easy to use and carry - single independent packaging, simply tear the packaging, you can use it to the wound, the equipment disinfected. Compared with the traditional use of bottled alcohol, iodine coupled with cotton balls, cotton swabs, gloves and freezers, and so a lot of things to facilitate super-many!
- Wide range of uses, special packaging for a long time, suitable for home standing.



Blister Film



Material: PP/PE Blister film, PA/PE Blister film.

Application:

- Usually for packing infusion sets, syringes.
- Blister PP/PE film for packaging and sterilizing of medical and surgical items.
- Suitable for most types of packaging machines. Sealable with coated or uncoated medical grade papers.

Sterilization: EO, Gamma-ray, Steam

Performance:

To be with heat with medical grade paper with automatic machine.

Pack offers multilayer, thermoformable barrier flexible film for packaging of various medical devices such as syringes, needles and feeding tubes. The film can be sealed to coated or uncoated medical grade paper.

Brief advantages of Pack Stretching Blister Film:

- Superior forming characteristics and excellent dimensional stability
- Excellent seal strength and low thermal sealing temperature
- High transparency and good adhesive features
- Excellent moisture resistance
- Puncture resistance

PVC blister film

Feature:

- Used pharma grade raw material
- High impact strength and high rigidity
- Aging resistance, excellent formability, chemical resistance, corrosion resistance, non-toxic, no smell

Sterilization:

Meet ISO9001, GMP standard and passed SGS testing.



Medical Plastic Multi-layer Film



Pack offers three kinds of laminated film webs specially developed for sterile medical device packaging purpose.

Material: PET plus CPP, PET plus PE, PA plus PE

Color: transparent green, blue, purple

Sterilization: EO, Gamma-ray, Steam

Brief advantages of KMNPack Medical Multi-layer Film:

- Outstanding clarity
- Easy sealable and peelable with uncoated medical grade paper
- High machinability
- Excellent mechanical strength
- High puncture, tear, break resistance pre and post sterilization