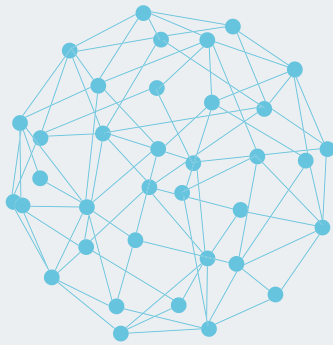




HUMAN MEDITEK

Low Temperature Hydrogen Peroxide Sterilizer

Innovative Technology for Human Benefits



HUMAN MEDITEK
aims to achieve sustained, long-term growth
by providing high-quality sterilizer, and by contributing
to the realization of an innovative technology.

Company History Timeline

2000. 03

Founded Human Meditek Co. Ltd.

2001. 12

Acquired of Manufacturing Authorization for Plasma Sterilizers from KFDA

2002. 10

Designated as 'Next Generation World-Class Product' by Ministry of Commerce, Industry and Energy (MOCIE), Korea

2002. 12

Grand Prize Korea Industrial Design Awards

2003. 08

Acquired CE Certificate (MDD 94/42/EEC), ISO 9001, EN 46001, ISO13485

2003. 10

Global Partners Signing Ceremony & Next Generation Plasma Sterilizer Official Launching Ceremony for "HMTS-80"



2005. 04

Launched HMTS-SES

2007. 06

HMTS-Series Registered in Health Canada and TGA (Australia)

2007. 09

Launched "HMTS-142"



HMTS-Series registered in **53** Countries world-wide

Participated in over **45** Medical Device Exhibitions and Sterilization Congresses for 15 years

AMERICAS



Canada
Mexico
Brazil
Ecuador
Chile
Columbia
Venezuela
Peru

EUROPE



Belgium
Greece
Italy
Poland
Portugal
Spain
Switzerland
Austria
Turkey
Norway
Bulgaria
Czech
Russia
Kazakhstan
Sweden
Netherlands
Denmark
Slovakia
UK
France

THE MIDDLE EAST



Iran
Saudi Arabia
UAE
Syria
Egypt
Jordan
Kuwait
Lebanon

ASIA / OCEANIA



Korea
Japan
China
Thailand
India
Indonesia
Singapore
Taiwan
Vietnam
Sri Lanka
Philippines
Australia
New Zealand

2008. 05

Innovative Product Award by
Prime Minister of Korea

2008. 05

Awarded "Export Tower Prize"
from KITA

2009. 02

Launched "HMTS-80E"
and "HMTS-40E"

2009. 12

Acquired ISO 14973
Certificate (SMP)

2011. 02

Launched "HMTS-30E"



2013. 07

Acquired Olympus Endoscope
Sterilization Certificate

2013. 11

Awarded "The Majestic Five
Continent Award" for Quality and
Excellence

2017. 01

Developed ENDO-Mode
System

2017. 10

Acquired Pentax
Endoscope Sterilization
Certificate

2017. 11

Acquired Prion
Inactivation Certificate

2018

NEW HMTS-142
Launch Scheduled



CUSTOMER SERVICE

Mission, Vision and..... Values

Our mission is to continually develop our services to ensure that patient care is never compromised. Human Meditek offers a comprehensive customer service solution including training, maintenance, repair and supply of spare parts. The network of authorized dealers provides maintenance assistance and customer service worldwide while our dedicated, highly skilled team of professionals at Human Meditek provides outstanding back-up support to guarantee HMTS-Series will be at its peak performance with minimum downtime and maximum predictability. We pride ourselves on offering a high quality, friendly, knowledgeable and professional service to our customers worldwide.



Low Temperature Hydrogen Peroxide Sterilizer

HMTS SERIES



- Up to 89% chamber volume usage
- Up to 18 cycles per one sterilant bottle
- Safe and eco-friendly drain system
- Thousands of devices listed for compatibility
- Double door option available



HMTS-30E

HMTS-30E offers speed and versatility in a compact low temperature sterilizer. The rapid 25 minute SURFACE Mode with 30L usable chamber volume is the ideal choice for anywhere in the hospital.



Dimensions and Weight

Size	Width 740 mm	
	Height 825 mm	(With Cart) 1350 mm
	Depth 725 mm	
Weight	160 kg	

Sterilization Chamber

Total Volume	34 L (1.2 cubic feet)
Usable Volume	30 L (1.0 cubic feet)
Dimensions (W x H x D)	340 mm x 170 mm x 600 mm
Shelf Strength	25 kg
Shelf Dimensions (W x D)	320 mm x 560 mm

STERILIZATION MODE OVERVIEW

<u>SURFACE MODE</u> 25 min	<u>STANDARD MODE</u> 27 min	<u>ADVANCE MODE</u> 39 min
Quick Surface Sterilization Cycle <ul style="list-style-type: none"> General metal/non-metal devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces Non lumen rigid, semi-rigid endoscopes 	Conventional Flexible Lumen Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Polyethylene and Teflon lumen instruments with: Internal diameter of 1 mm or larger and a length of 500 mm or shorter One single channel flexible endoscope with: Internal diameter of 1mm or larger and a length of 850mm or shorter 	Versatile Flexible/Rigid Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Stainless steel lumen instruments with: Internal diameter of 1 mm or larger and a length of 500 mm or shorter Five(5) Stainless steel lumen instruments with: Internal diameter of 0.77 mm or larger and a length of 500 mm or shorter
One shelf of the chamber can be used in SURFACE mode. Max. loading weight: 1.89kg (4.1lbs)	Up to two shelves of the chamber may be used in STANDARD mode. Max. loading weight: 3.72kg (8.2lbs)	Up to two shelves of the chamber may be used in ADVANCED mode. Max. loading weight: 3.72kg (8.2lbs)
No. of cycle/H ₂ O ₂ bottle 18 cycles	No. of cycle/H ₂ O ₂ bottle 12 cycles	No. of cycle/H ₂ O ₂ bottle 9 cycles

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.



HMTS-80E

HMTS-80E is the most popular model in the HMTS lineup. With a large chamber and four cycle options to process a wide variety of medical devices, HMTS-80E enables customers to enhance overall productivity and enable a high standard of patient care.

Dimensions and Weight

Size	Width 750 mm
	Height* 1670 mm *Including built-in wheels
	Depth 835 mm
Weight	430 kg

Sterilization Chamber

Total Volume	80 L (2.83 cubic feet)
Usable Volume	71 L (2.5 cubic feet)
Dimensions (W x H x D)	Ø400 mm x 650 mm (D)
Shelf Strength	35 kg
Shelf Dimensions (W x D)	Upper: 380 mm x 635 mm
	Lower: 260 mm x 635mm

STERILIZATION MODE OVERVIEW

SURFACE MODE 25 min	ENDO MODE 38 min	STANDARD MODE 38 min	ADVANCE MODE 53 min
Quick Surface Sterilization Cycle <ul style="list-style-type: none"> General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces Non lumen rigid, semi-rigid endoscopes 	Efficient Flexible Endoscope Sterilization Cycle <ul style="list-style-type: none"> Two(2) Single channel flexible endoscopes with : Internal diameter of 1mm or larger and a length of 850mm or shorter One(1) Dual channel flexible endoscope with : Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter. 	Conventional Flexible Lumen Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Polyethylene and Teflon lumen instruments with : Internal diameter of 1 mm or larger and a length of 500 mm or shorter One(1) Long Polyethylene and Teflon lumen instruments with: Internal diameter of 1mm or larger and a length of 1600mm or shorter 	Versatile Flexible/Rigid Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Stainless steel lumen instruments with : Internal diameter of 1 mm or larger and a length of 500 mm or shorter Five(5) Stainless steel lumen instruments with : Internal diameter of 0.77 mm or larger and a length of 500 mm or shorter
One shelf of the chamber can be used in SURFACE mode. Max. loading weight: 4.45kg (9.8lbs)	Up to two shelves of the chamber may be used in ENDO mode. *Only Flexible Endoscopes with accessories may be loaded in ENDO mode	Up to two shelves of the chamber may be used in STANDARD mode. Max. loading weight: 8.9kg (19.6lbs)	Up to two shelves of the chamber may be used in ADVANCED mode. Max. loading weight: 8.9kg (19.6lbs)
No.of cycle/H ₂ O ₂ bottle 14 cycles	No.of cycle/H ₂ O ₂ bottle 15 cycles	No.of cycle/H ₂ O ₂ bottle 10 cycles	No.of cycle/H ₂ O ₂ bottle 8 cycles

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.



HMTS-142

HMTS-142 is the most advanced low temperature hydrogen peroxide sterilizer from Human Meditek. With the large 142L chamber and optimized cycle options, HMTS-142 allows the customers to process more loads* and a wide variety of medical devices quickly, safely and efficiently.

*Up to three(3) flexible surgical endoscopes with accessories.

Dimensions and Weight

Size	Width	833 mm
	Height*	1688 mm
	Depth	1016 mm
Weight		550 kg

*Including built-in wheels

Sterilization Chamber

Total Volume	142 L (5.01 cubic feet)
Usable Volume	120 L (4.24 cubic feet)
Dimensions (W x H x D)	425 mm x 425 mm x 790 mm
Shelf Strength	35 kg
Shelf Dimensions (W x D)	Upper: 415 mm x 775 mm (1 to 3 shelves) Lower: 410 mm x 775mm

STERILIZATION MODE OVERVIEW

SURFACE MODE 35 min	ENDO MODE 50 min	STANDARD MODE 62 min	ADVANCE MODE 68 min
Quick Surface Sterilization Cycle <ul style="list-style-type: none"> General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces Non lumen rigid, semi-rigid endoscopes 	Efficient Flexible Endoscope Sterilization Cycle <ul style="list-style-type: none"> Three(3) Single channel flexible endoscopes with : Internal diameter of 1mm or larger and a length of 850mm or shorter Two(2) Dual channel flexible endoscope with : Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter 	Conventional Flexible Lumen Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Polyethylene and Teflon lumen instruments with : Internal diameter of 1 mm or larger and a length of 1,200 mm or shorter One(1) Long Polyethylene and Teflon lumen instruments with: Internal diameter of 1mm or larger and a length of 4,000mm or shorter 	Versatile Flexible/Rigid Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Stainless steel lumen instruments with : Internal diameter of 1 mm or larger and a length of 500 mm or shorter Five(5) Stainless steel lumen instruments with : Internal diameter of 0.77 mm or larger and a length of 500 mm or shorter
One shelf of the chamber can be used in SURFACE mode. Max. loading weight: 7.4kg (16.3lbs)	Up to three shelves of the chamber may be used in ENDO mode. *Only Flexible Endoscopes with accessories may be loaded in ENDO mode	Up to two shelves of the chamber may be used in STANDARD mode. Max. loading weight: 14.8kg (32.6lbs)	Up to two shelves of the chamber may be used in ADVANCED mode. Max. loading weight: 14.8kg (32.6lbs)
No. of cycle/H ₂ O ₂ bottle 12 cycles	No. of cycle/H ₂ O ₂ bottle 12 cycles	No. of cycle/H ₂ O ₂ bottle 7 cycles	No. of cycle/H ₂ O ₂ bottle 6 cycles

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.



HMTS-142D

HMTS-142D is a pass-through low temperature hydrogen peroxide sterilizer designed for the Central Sterile Services Departments with a need for an isolated clean room. The automatic sliding door allows for easy loading and increase productivity.

Dimensions and Weight

Size	Width 1050 mm	
	Height* 1688 mm	*Including built-in wheels
	Depth 1075 mm	
Weight	640 kg	

Sterilization Chamber

Total Volume	142 L (5.01 cubic feet)
Usable Volume	120 L (4.24 cubic feet)
Dimensions (W x H x D)	425 mm x 425 mm x 790 mm
Shelf Strength	35 kg
Shelf Dimensions (W x D)	Upper: 415 mm x 775 mm
	Lower: 410 mm x 775mm

STERILIZATION MODE OVERVIEW

SURFACE MODE 35 min	ENDO MODE 50 min	STANDARD MODE 62 min	ADVANCE MODE 68 min
Quick Surface Sterilization Cycle <ul style="list-style-type: none"> General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces Non lumen rigid, semi-rigid endoscopes 	Efficient Flexible Endoscope Sterilization Cycle <ul style="list-style-type: none"> Three(3) Single channel flexible endoscopes with : Internal diameter of 1mm or larger and a length of 850mm or shorter Two(2) Dual channel flexible endoscope with : Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter 	Conventional Flexible Lumen Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Polyethylene and Teflon lumen instruments with : Internal diameter of 1 mm or larger and a length of 1,200 mm or shorter One(1) Long Polyethylene and Teflon lumen instruments with: Internal diameter of 1mm or larger and a length of 4,000mm or shorter 	Versatile Flexible/Rigid Sterilization Cycle with Extra Loads <ul style="list-style-type: none"> Ten(10) Stainless steel lumen instruments with : Internal diameter of 1 mm or larger and a length of 500 mm or shorter Five(5) Stainless steel lumen instruments with : Internal diameter of 0.77 mm or larger and a length of 500 mm or shorter
One shelf of the chamber can be used in SURFACE mode. Max. loading weight: 7.4kg (16.3lbs)	Up to three shelves of the chamber may be used in ENDO mode. *Only Flexible Endoscopes with accessories may be loaded in ENDO mode	Up to two shelves of the chamber may be used in STANDARD mode. Max. loading weight: 14.8kg (32.6lbs)	Up to two shelves of the chamber may be used in ADVANCED mode. Max. loading weight: 14.8kg (32.6lbs)
No.of cycle/H ₂ O ₂ bottle 12 cycles	No.of cycle/H ₂ O ₂ bottle 12 cycles	No.of cycle/H ₂ O ₂ bottle 7 cycles	No.of cycle/H ₂ O ₂ bottle 6 cycles

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.


NEW


HMTS-142SE

HMTS-142 SE is the latest and most advanced Low Temperature Hydrogen Peroxide Sterilizer from Human Meditek. Designed to fulfill the evolving global customer demands, HMTS-142 SE offers unique features to make Central Sterile Supply Departments more productive, dependable and safe.

Efficient

With four cycle modes, HMTS-142 SE can sterilize a wide variety of medical instruments quickly and efficiently. HMTS-142 SE features an enhanced dual plasma sterilization technology powerful enough to achieve sterility assurance level (SAL) of 10^{-6} at half cycle while the large capacity 142L chamber allows you to process more loads per cycle.

Safe

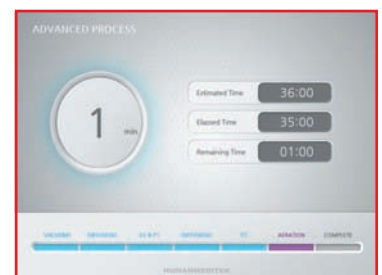
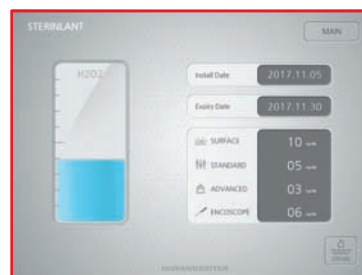
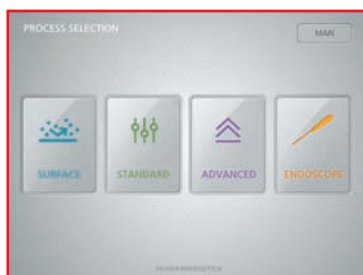
HMTS-142 SE sterilizes with lower concentration of hydrogen peroxide (50%) which reduces the risk of damage to expensive medical devices. The chemistry safely breaks down into water and oxygen without leaving any toxic residues, ensuring optimal safety for users and the environment. In addition, HMTS-142 SE is equipped with Independent Monitoring system (IMS) which guarantees sterilization parameters are met every cycle.

Easy to use

HMTS-142 SE features aesthetically pleasing design with a large display screen that is easy to read. Enhanced user interface and graphic loading instruction reduce the potential for human error. Ergonomically placed automatic sliding door with foot pedal allows hand-free loading and the L.E.D indicator lets the users to monitor the sterilization cycle even from a distance.



Colorized L.E.D indicator



Intuitive and straightforward user interfaces

* Launch Scheduled at the end of 2018.

Accessories for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizer

Consumable products and accessories are specially designed to ensure the highest compatibility and maximum validation efficacy for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizers.

Sterilant Agent

HMSA-80 Sterilant, specially designed for HMTS-Series, contains 50% Hydrogen Peroxide. The lower concentration of hydrogen peroxide reduces the device and instrument damages while providing maximum sterilization efficacy. The self-contained bottles ensure user safety and can provide up to 18 cycles between changes.



Biological Indicators

HMBI-T is a self-contained biological indicator innoculated with *Geobacillus stearothermophilus*, a highly resistant bacterial spores, to safely and effectively monitor the sterilization processes.



Chemical Indicator (Strips / Tapes)

Designed specially for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizers, The chemical indicators offer a distinct and easy to read color changes to provide confidence for proper sterilization.



Tyvek® Rolls

We offer a wide variety of sizes and styles of Tyvek® Rolls, which provides excellent tear and puncture resistance. The pouches and rolls can provide sterile storage for up to one year.



Other Accessories

We offer a variety of exclusive accessories, specially designed for HMTS-Series Low Temperature Sterilization System, to enhance convenience and efficiency.



*Human Meditek recommends the use of approved consumables and accessories to fully guarantee the sterilization processes.

HMTS has the Best Answer!



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