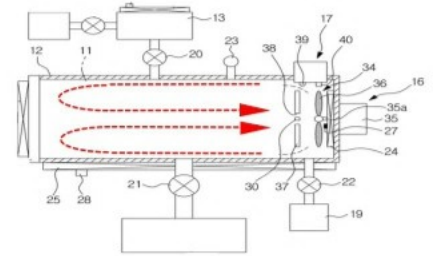


LOWTEM

# Main Features of LOWTEM Series

## Rapid Warm-up & Dry System

The world's first patented "Rapid Warm-up and Dry System" allows to overcome the humidity-related problem, removing residual moisture and chamber's cold point.



## Convenient and Safe Sterilizing Agent

Multi-cycle "Tank type" sterilant is safe for users to store, to deliver, and to use. The automatic RFID system for using sterilant tank is convenient and reliable for users.



## 7" full touch LCD, Easy Monitoring the Cycle Information

User can monitor the actual temperature and pressure from the graph on the 7" full touch LCD monitor friendly touching icons.



## Plug and Play

LOWTEM Series' warming up time is very rapid (Maximum 15 min) after main power is on, so that standby power consumption is zero during off-duty or overnight.



## LOWTEM Crystal / Smart Series

Smart 10



Crystal 30



### USB History Memory

LOWTEM Series' sterilization history can be downloaded to your USB memory stick, and maintained at your convenience.



### Automatic PM Alarm System

LOWTEM Series provide alarms to prevent from irregular maintenance. Automatic PM Alarm System is very useful for users and engineers to be noticed.



### Built-in Thermal Printer, Printout with Actual Cycle Information

Built-in thermal printer uses 60mm (Ø) Roll paper. Users do not need to replace it often. The printout from this printer provides temperature, pressure with the cycle graph on the paper.



### Login Function

LOWTEM Series provide User ID and PW, so that hospital can manage users who access the sterilizer.



Crystal 50



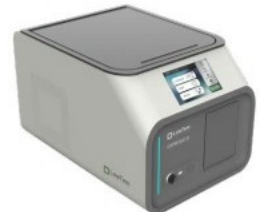
Crystal 120M / 120D



Smart 150 / 150D



# Smart 10



<b>Sterilizing Agent</b>		Hydrogen Peroxide 40 Cycles / Bottle
<b>Total Cycle Time</b>	<b>Quick</b>	15~20min
	<b>Standard</b>	20~25min
	<b>Special</b>	25~30min
<b>Cycle Temperature</b>		55±5°C
<b>Sterility Assurance Level</b>		10 <sup>-6</sup>
<b>By-products</b>		Oxygen and vapor water only
<b>Lumen claims</b>		Flexible lumen
<b>Chamber</b>	<b>Type</b>	Rectangular
	<b>Material</b>	Stainless Steel
<b>Dimensions</b>	<b>Overall</b>	395mm(W) x 377mm(H) x 590mm(D)
	<b>Chamber</b>	310mm(W) x 118mm(H) x 270mm(D)
<b>Volume</b>		Total: 10 liters Usable: 9 liters
<b>Weight</b>		55kg
<b>Cycle Information</b>		Screen, USB, Printer
<b>Preventive Maintenance</b>		Automatic Alarm & Setup
<b>Electricity</b>		220-230V, 50/60Hz, 1,500W
<b>Operating Condition</b>		5~40°C, 0~95%RH(Non-Condensing)
<b>Printer</b>		Optional
<b>Others</b>		Operator ID Login, Self-Diagnosis, Multi-language, RFID Coding System

**01** USB History Memory



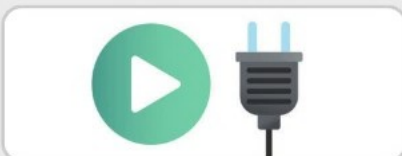
**02** Convenient and Safe Sterilizing Agent



**03** 7" full touch LCD, Easy Monitoring the Cycle Information



**04** Plug and Play



**05** Oilless Pump



**06** Automatic PM Alarm System

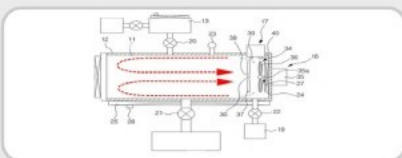


# Crystal 30

<b>Sterilizing Agent</b>		Hydrogen Peroxide 40 Cycles / Bottle
<b>Total Cycle Time</b>	<b>Quick</b>	30±5min
	<b>Standard</b>	40±5min
	<b>Special</b>	50±5min
<b>Cycle Temperature</b>		55±5°C
<b>Sterility Assurance Level</b>		10 <sup>-6</sup>
<b>By-products</b>		Oxygen and vapor water only
<b>Lumen claims</b>		Rigid lumen & Flexible lumen, Endoscopes
<b>Chamber</b>	<b>Type</b>	Rectangular
	<b>Material</b>	Stainless Steel
<b>Dimensions</b>	<b>Overall</b>	530mm(W) x 500mm(H) x 740mm(D)
	<b>Chamber</b>	260mm(W) x 220mm(H) x 590mm(D)
<b>Volume</b>		Total: 33 liters Usable: 28 liters
<b>Weight</b>		120kg
<b>Cycle Information</b>		Screen, USB, Printer
<b>Preventive Maintenance</b>		Automatic Alarm & Setup
<b>Electricity</b>		220-230V, 50/60Hz, 1 Phase, 2,000W
<b>Operating Condition</b>		5~40°C, 0~95%RH(Non-Condensing)
<b>Printer</b>		Optional
<b>Others</b>		Operator ID Login, Self-Diagnosis, Multi-language, RFID Coding System



**01 Rapid Warm-up & Dry System**



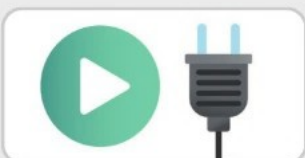
**02 Convenient and Safe Sterilizing Agent**



**03 7" full touch LCD, Easy Monitoring the Cycle Information**



**04 Plug and Play**



**05 Table-top Model**



**06 Oilless Pump**



**07 Useful Cart**



## Sterilizing Agent



Bottle type with RFID Tag

- Crystal 10/30: 40 cycles/Bottle
- Crystal 50: 40 cycles/Bottle
- Crystal 120M/120D: 20 cycles/Bottle
- Smart 150/150D: 15 cycles/ Bottle

## Incubator



Incubation(24hrs)



Rapid Incubator(24mins)

## Indicator



Chemical Indicator Tape



Chemical Indicator Strip



Biological Indicator (24hrs)



Super Rapid Biological Indicator (24hrs)

## Auto Sealing Machine



LOWTEM Edition HM800DC KC  
Mark Approved

## PCD



- Soft Lumen (Both side open)
  - Ø1 x 12,000mm
- Soft Lumen (One side open)
  - Ø1 x 2,000mm
  - Ø2 x 1,500mm
- Hard Lumen (Both side open)
  - Ø1 x 2,000mm
- Hard Lumen (One side open)
  - Ø2 x 1,500mm

## Pouch



- Material : Polyester Film, Tyvek® Sheet
- Size : 75, 100, 150, 200, 250, 300, 400 mm

## Print Paper



## Containers



## Non Woven Sheet

