



# EOS Extraoral Suction System





EOS Extraoral Suction System  
**Aerosols & Droplets  
Terminator**





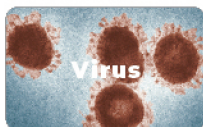
# Remove High Volume Of Droplets & Aerosols Produced During Treatment



**Droplets**



**Aerosols**



**Virus**



**Blood**



**Dust**

## • Before use

- During treatment, high volume of Droplets and Aerosols produced by high-speed handpieces and ultrasonic scalers, putting the surgery and practitioners in high risk of infection.

## • After use

- ADS Extraoral Dental Suction System removes the Droplets and Aerosols effectively, highly reduce the infection risk, keep clean air for the surgery .



## • Ultrastrong Suction Power

- The suction motor we are using, giving ultrastrong suction power, low level noise, and long life .



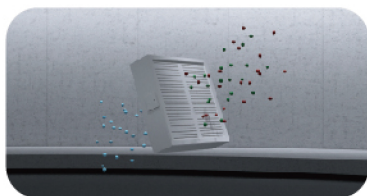
## • Excellent Aerodynamics Design

- **Rear-mounted Exhaust Design:** Better dust control, ensure suction power, patient comfort guarantee, low level noise, prevent dirty air leaking



## • Medical Grade Filtration System

- **HEPA Filtration System:** HEPA filtration system, stopping virus and germs  $\geq 0.3\mu\text{m}$  with 99% efficiency
- **Precise Water/Air Filtration:** Ensure the internal of the machine is dry
- **Medical Grade UV Light Disinfectant System:** Killing all the virus and germs in the filter



## • Digitized and Intelligent Technology

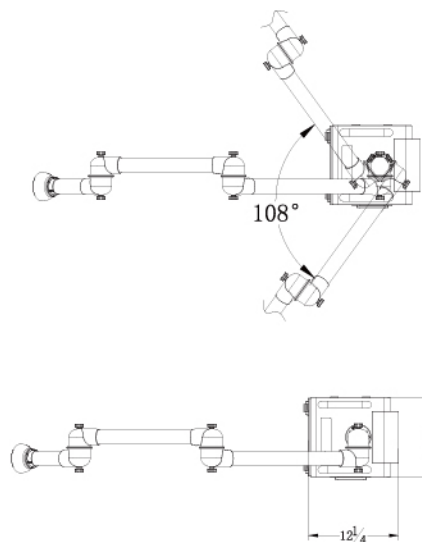
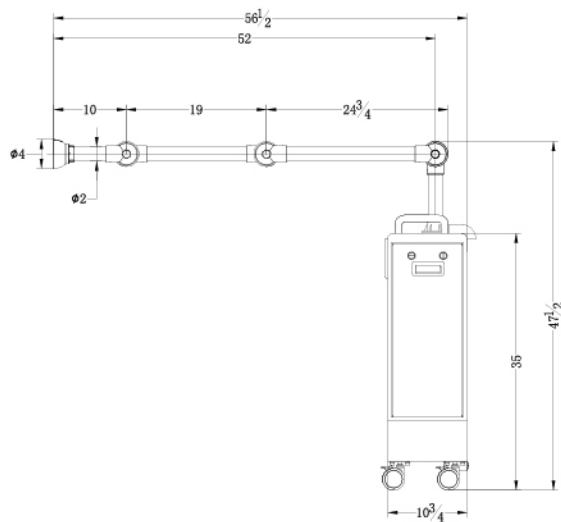
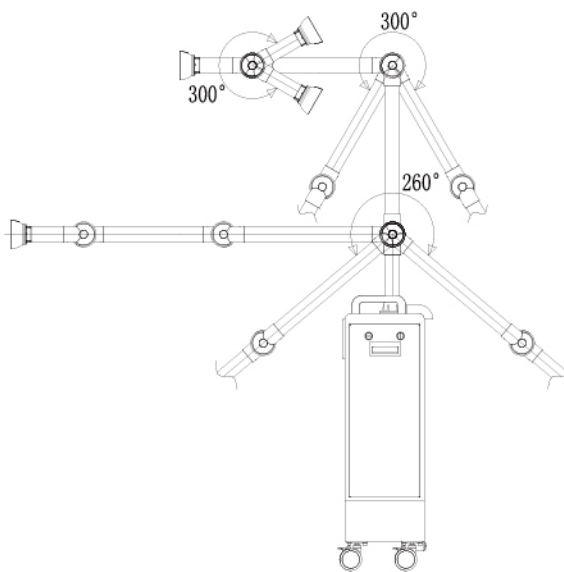
- **Filter Life Reminder:** Indicator will shows the life of the filter, and reminder to change
- **Precise Control System:** 10 levels power adjustment, digitalized display screen.



# EOS Extraoral Suction System Technical Specifications

## Dimensions

Unit: inch



EOS Technical Specifications			
Model	EOS Extraoral Suction System		
Voltage	AC110V 60Hz	Electric current	12-20A
Power	1160W	Fuse wire	20A 250V
Flow	105CFM	Suction Power	10KPa (10 Different Levels)
Fine Filter	F8	Average Efficiency (EM) for 0.4MM particles (%),90<EM<95 Minimum efficiency* for 0.4MM particles (%),55 ( F8 matches European standard EN 779:2012 and ISO16890)	
	H14	H14, blocking virus and germs ≥0.3μm with 99.995% filtration efficiency (H14 matches European standard EN 1822:2009, ISO16890 and DOE-STD-3020-2015 Specification for HEPA Filters Used by DOE Contractors)	
HEPA Filter Level			
Noise Decibel	58dB ( Tested under laboratory environment and 0.6-0.89 Inch distance from the suction mouth piece hood )		
Suction Arm Caliber	Φ2"		
Size (millimeter )	275*275*980mm		275*275*980mm

UV Light Specifications			
<b>Type</b>	UVC	<b>Lamp Tube Length</b>	5.3"
<b>Lamp Tube Caliber</b>	0.6"	<b>Lamp Cap Caliber</b>	0.7"
<b>Wave Length</b>	254nm	<b>Glass Tube</b>	Ozone-free quartz glass
<b>Power(W)</b>	4W	<b>Voltage (V)</b>	30±15%
<b>Electricity (mA)</b>	145±15%	<b>Radiation Intensity (μW/cm2)</b>	≥8 @39.4"
<b>Steady time (min)</b>	5	<b>Average Lifetime (h)</b>	> 8000 (Continuous use)
<b>Lamp Cap</b>	G5 Aluminum head	<b>Wire Material</b>	Molybdenum Wire
<b>Gas-filling</b>	Pure Argon	<b>Mercury</b>	Pure Liquid Mercury<15mg

Packing Specifications		
	Suction arm	Case
<b>Packing Size</b>	27.2*10.2*9 inch	14.0*14.2*39.4 inch
<b>Net Weight</b>	2.8 lbs	94.2lbs
<b>Gross Weight</b>	5 lbs	98.6lbs



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