

Company & Product presentation

Shenzhen HugeMed Medical Technical Development Co., Ltd

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Company Profile



Company Profile

Who we are:

HugeMed was founded in 2014, and focus on R&D, manufacturer and sales of visual airway management solution now.

Location: Shenzhen: advantages in HR, electronic parts, tooling....

Management background: SK Medical (belonged to Mindray now)

R&D background: Experienced in medical equipment development.

Certification: Shenzhen High-tech enterprise

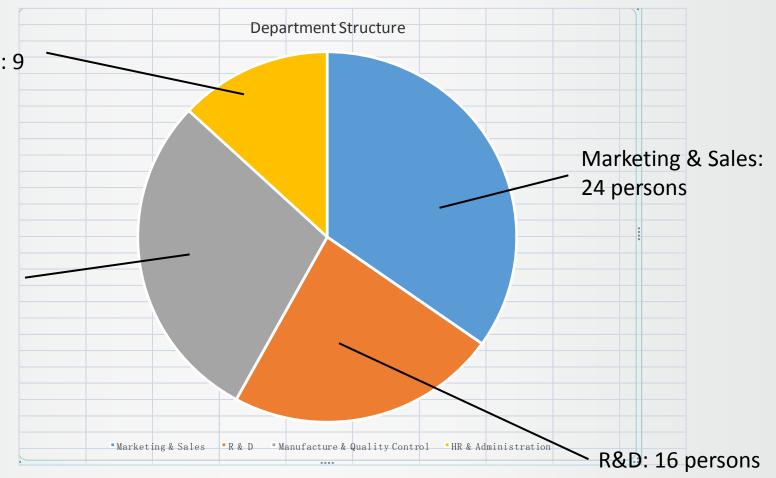


Department Structure

Staff: 69 persons

HR & Administration& Purchasing & Regulatory: 9 persons

Manufacture & QC & Storage: 20 persons





Production line











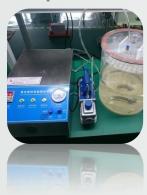
Manufacture and Quality Control

Strict Qulity Control Process

Voltage Checking



Waterproof Checking



Blade Checking



Resolution Checking



ISO 13485

Korea GMP



Manufacture and Quality Control

Excellent Quality System and Certifications



- ISO 13485
- South Korea GMP
- Chinese FDA
- TUV CE
- US FDA



Market



Market Opportunity



In global, 80% of surgeries are general anesthesia operations, which need airway intubation



Visible and mini-invasive treatment are trend of airway management



Video laryngoscopes are being used more and more nowadays



Market Volume

Anesthesia Video Laryngoscope Market

Video laryngoscopy-assisted tracheal intubation devices have become substitutes to conventional laryngoscopes since recent past. These systems provide a clear image of the vocal cords and larynx on a display monitor, enabling control of the endotracheal tube (ETT) in its trajectory toward the airway. These devices display facilitates fast view, accurate ETT placement in difficult airways, avoiding complications resulting from improper tube placement. Anesthesia video laryngoscopy systems improves the view with laryngoscopy along with improved initial success rates, and help in the management of challenging intubations in order to improve care and reduce harm to patients.

The global anesthesia video laryngoscope market size was valued at US\$ 194.5 million in 2017, and is expected to witness a robust CAGR of 13.2% over the forecast period (2018 – 2026).

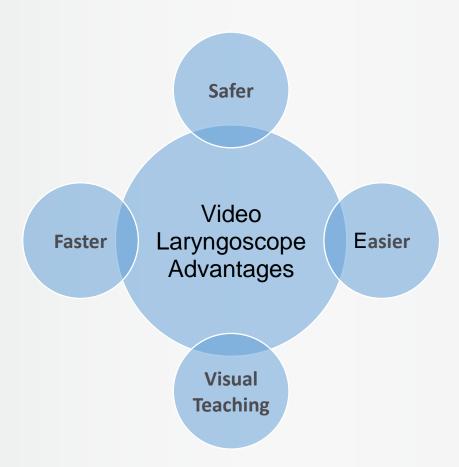
Global Video Laryngoscopes Market: Region-wise Outlook

Depending on geographic regions, the global video laryngoscopes market is segmented into seven key regions: North America, Latin America, Eastern Europe, Western Europe, Asia Pacific Excluding Japan, Japan, and Middle East & Africa. North America is estimated to be the largest player in global video laryngoscopes market due to increase in the prevalence of cancer and other disorders related to the larynx. Europe and Japan are anticipated to be the most lucrative market during the forecast period owing to the increased adoption of minimally invasive instruments and high investment in the healthcare facilities.

https://www.persistencemarketresearch.com/market-research/video-laryngoscopes-market.asp

Video V.S Direct Laryngoscope

Compare with traditional laryngoscope, video laryngoscope has its advantages.





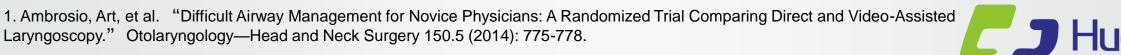
Advantages: Faster

STATISTICS



Conclusion:

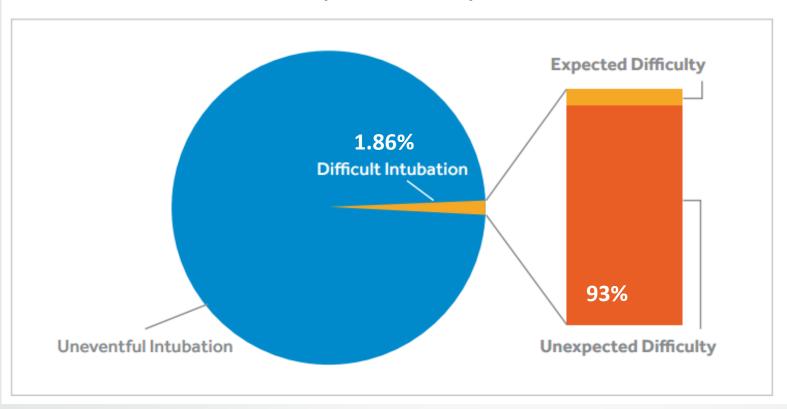
In novice users, video laryngoscopy with a MAC blade improves success rate and time-to-intubate when compared with direct laryngoscopy with a MAC blade. 1





Denmark Clinical resaerch date:3.

FIGURE 1. Frequency of unexpected difficult intubations. In total, 1.86% of intubations were difficult, and 93% of those were unexpected. Data adapted from Norskov et al, 2015.¹



^{3.} Norskov AK, Rosenstock CV, Wetterslev J, Astrup G, Afshari A, Lundstrom LH. Diagnostic accuracy of anaesthesiologists' prediction of difficult airway management in daily clinical practice: a cohort study of 188 064 patients registered in the Danish Anaesthesia Database. Anaesthesia. Mar 2015;70(3):272-281.



Advantages: Safer

Unexpected difficult intubations happen in an instant — can cause long-term complications for patients.

Serious Complication:

Consequences of difficult intubations can be catastrophic, leading to such as respiratory and cardiac arrest, airway damage and tooth injury, brain damage, or death.....

Complication result: (Research date from an audit in the U.K).2

- approximately 80% of airway-related incidents resulted in a full recovery,
- 2% resulted in brain damage
- 12% finally resulted in patient death.



Easier

➤ Better glottic exposure to make diffcult airway not diffcult.

The Mallampati classification of 99% patient could reach to Class I ~2 with video laryngoscope, at least reduce 1 class.

> Less requirement of patient position

> A safe distance between the operator and the patient can be maintained, reducing cross-

contamination.

> Shorter learning time





Video Laryngoscope usage department



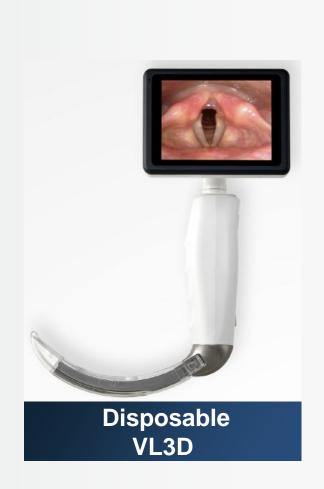


Product Introduction



Video laryngoscope series









New Video laryngoscope

Advanced Video Laryngoscopy: Real-time recording. LCD clarity.



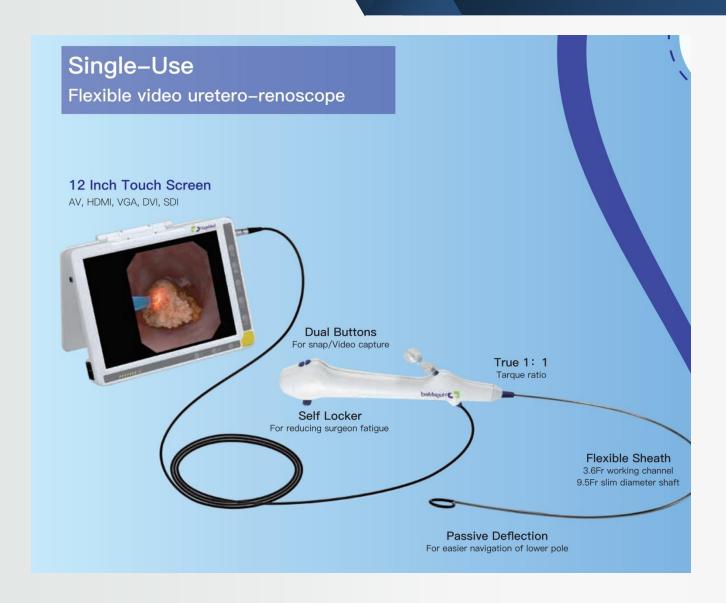
Coming soon!!!!!



Portable dis-connection type

Beside 8 inch monitor design meet most inhospital requirement

New Single-use Ureteroscope



Coming soon!!!!!

Single-use Ureteroscope

HugeMed Video Larnygoscope





HugeMed VL3D Video Laryngoscope (Disposable blade) Mac2/Mac3/Mac4 Optional: Mac1/Mac5 HugeMed VL3R Video Laryngoscope (Reusable blade)

Mac2/Mac3/Mac4
Optional: Miller00/miller0/miller1/Mac1/Mac5

HugeMed VL3D Video Laryngoscope Advantages

Large Screen

- 3.5 Inch full view
- Rotatable screen

Portable Design

- ◆ Anti-microbial handle
- Rechargeable battery working time:150 minutes
- ◆ USB&HDMI port availabled.

Snap button

- Taking photo and video recording
- Integrated 8G memory card



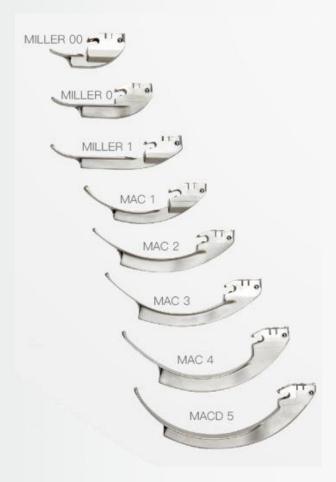




HugeMed reusable blade series



HugeMed Resuable Video Laryngoscope VL3R



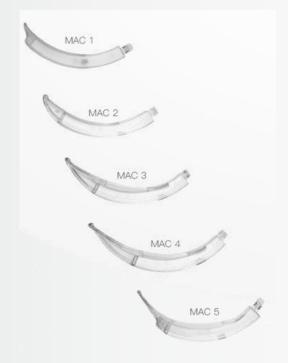
Model	Length mm(LxWxH)	Applicable patient
Miller 00	72X16X30	Newborn
Miller 0	84X17X30	Newborn
Miller 1	110X18X30	Infant
Mac 1	101X18X34	Infant
Mac 2	117X23X37	child
Mac 3	130X24X39	Adult
Mac 4	138X26X49	Obese airway
Mac 5	150X25X52	Diffcult airway

HugeMed disposable blade series





HugeMed Disposable Video Laryngoscope VL3D



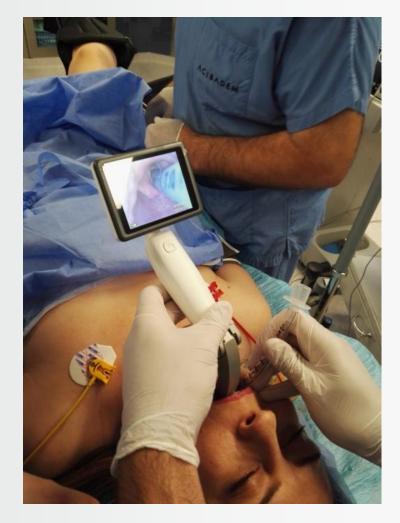
Model	Length mm(LxWxH)	Applicable patient
Mac 1	95X28X12.5	Infant
Mac 2	110X29X13	child
Mac 3	120X27X13	Adult
Mac 4	135X22X14	Obese airway
Mac 5	120X29X16	Diffcult airway

HugeMed Video Laryngoscope V.S. Other Brands

		Mage Med	Glidescope®	STORZ KARL STORZ—ENDOSKOPE	KingVISION	McGRATH®
Produ	uct Image		8			3
Display	Size	3.5"	3.5"	3.5"	2.4"	2.5"
	Resolution	640*480	320*240	320*240	640*480	/
	Pixel	2.0M Pixels	/	/	0.2M Pixels	0.1M Pixels
Battery	Rechargeable	YES	YES	YES	NO	NO
	Working Time	150-200 Minutes	100 Minutes	60 Minutes	80 Minutes	250 Minutes
Photo / V	'ideo Capture	YES	NO	YES	NO	NO
Blade	Reusable	Yes 8 types	NO	YES 8 types	NO	NO
	Disposable	YES 5 types	Yes 4 types	Yes 5 types	Yes 3 Types	NO 4 Types
P	rice	Cost-efficient	Very High	Very High	High	High

Key features: high-definition; rechargeable lithium battery; picture/video function, competitive price.

Image quality

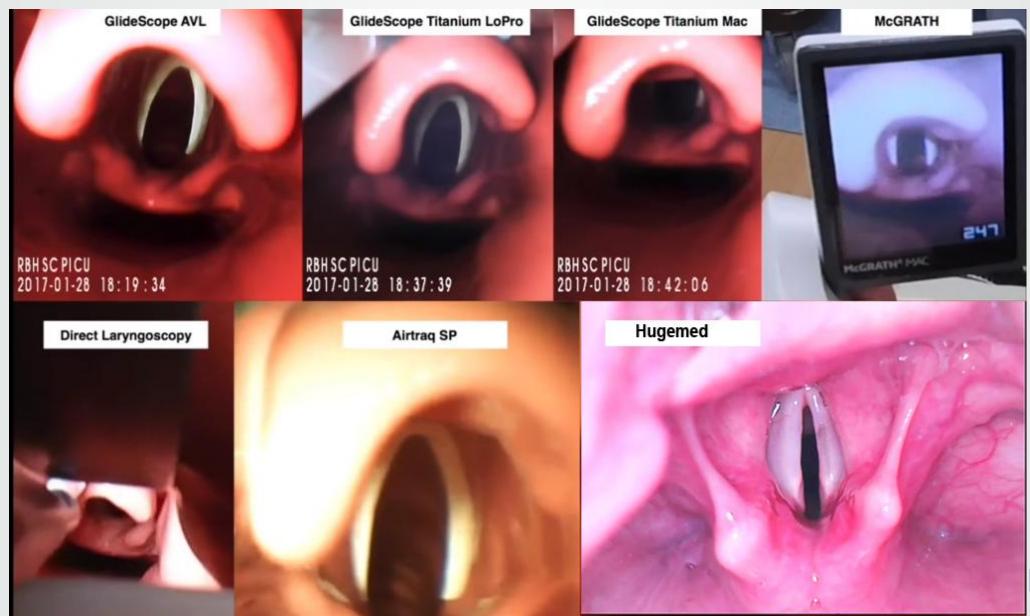








Comparison of Image quality



HugeMed

Flexible type— video laryngoscope



optical system	fild of field	100°
, ,	depth of field	3-50mm
	insertion tube outer diameter	2.8mm 3.9mm 5.2mm 5.8mm
insertion section	distal end out diameter	
	working length	650mm
Instrument Channel	channel Inner diameter	1.2mm 2.2mm 2.6mm
	minmum Visible length	3mm form the dital to end
bending section	angulation range	160 up 130 down

Video laryngoscope







Rigid type— video laryngoscope



Size: 3 types (Infant-flexible, Adult-flexible, Adult/ un-bending)



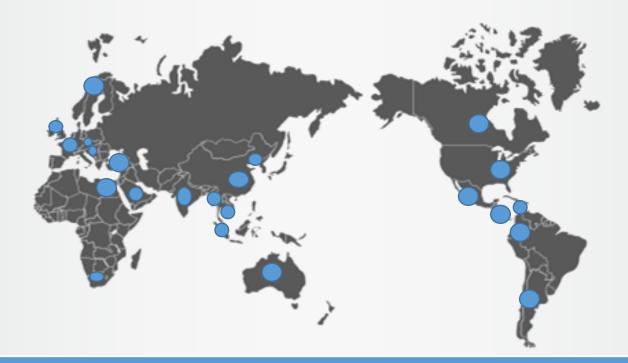
PARTS	PARAMETER		
	Infant(flexible)	Adult(flexible)	Adult(un-bending)
Field Angle	100±10%	100±10%	60±5%
Depth of Focus	3-50mm	3-50mm	20-50mm
Resolution	640*480	640*480	640*480
Display	3. 5"	3. 5"	3. 5"
Pixels	400*400	400*400	640*480
Illuminance	≥400LUX	≥400LUX	≥400LUX
Weight	330g	340g	350g
Swivel Up and Down	0° ~130°	0° ~130°	0°~130°
Swivel Left and Right	0° ~270°	0° ~270°	0° ~270°
Rigid Tube Diameter	3mm	3.9mm	5. Omm
Rigid Tube Radian	80mm>R>50mm	80mm>R>50mm	R=55mm, R=65mm, R=75mm
Rigid Tube Length	L=300	380mm	380mm

Global activities



Global Market

HugeMed Global Sales Network



HugeMed Products have been selling in more than 50 countries/ territories all over the world



Overseas promotion







Overseas promotion







Overseas promotion







HugeMed Chinese Exhibition

2018 Shanghai CMEF









Agent Overseas promotion







HugeMed 2018 ESA & ASA







THANK YOU