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PREMIUM
LARYNGOSCOPE
RANGE



Volume II

Long Life
SURGICAL INDUSTRIES

Forewords

Established in 1981, Long Life Surgical Industries has been serving the surgical industry with Care and Dedication. We manufacture Laryngoscopes and Surgical Instruments. We deal in both Single-Use and Re-Usable products.

Long Life Surgical Industries manufactures its products according to ISO-13485. We are also CE certified.

We always aim for good quality and proper understanding of our customer's requirements through co-operative and transparent communication. We have always tried to keep Long Life Surgical Industries up-to-date with present market through Research & Development, so our customers have relied on us for long term relations.

Irfan Aslam Arif
Chief Executive Officer

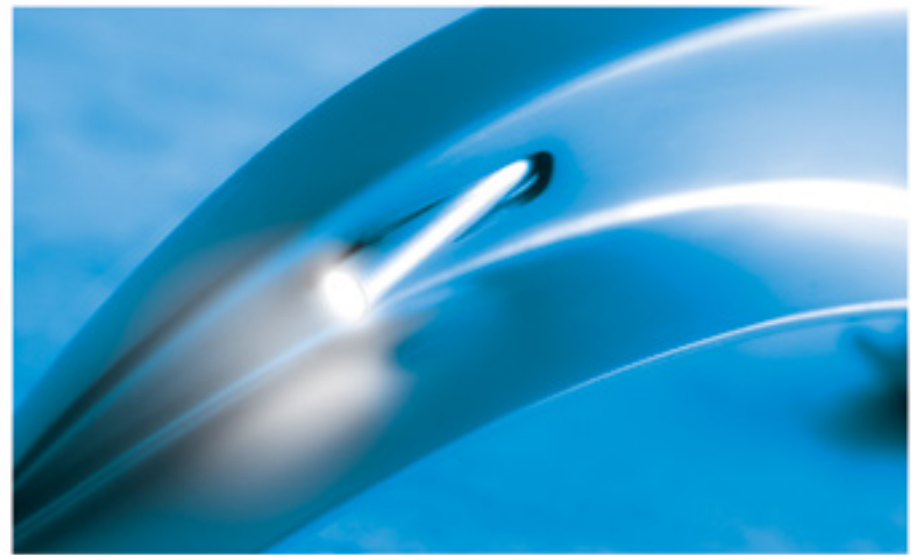
CONTENTS

Fiber Optic Green System Reusable Laryngoscopes	01 - 09
Macintosh Blades English Profile	02
Miller Blades English Profile	03
Macintosh Blades Mega Line	04
Miller Blades Mega Line	05
MacFlex Fiber Optic Laryngoscope Blades	06
Mega MacFlex Blades, Fiber Optic, German Profile	07
Macintosh Fiber Optic Xenon Laryngoscope Sets, English Profile	08
Miller Fiber Optic Xenon Laryngoscope Sets, English Profile	08
MacFlex Fiber Optic Xenon Laryngoscope Set, English Profile	08
MacFlex Fiber Optic LED Laryngoscope Set, English Profile	08
Macintosh Fiber Optic LED Laryngoscope Sets, English Profile	08
Miller Fiber Optic LED Laryngoscope Sets, English Profile	08
Mega MacFlex Fiber Optic Xenon Laryngoscope Set, German Profile	08
Mega MacFlex LED Laryngoscope Set, German Profile	08
Battery Handles Fiber Optic Xenon, Stainless Steel	09
Battery Handles Fiber Optic Xenon Brass Chrome Plated	09
Battery Handles Fiber Optic LED, Stainless Steel	09
Battery Handles Fiber Optic LED Brass Chrome Plated	09
Replacement Lamps	09
Replacement Fiber Optic light Guides English Profile (4mm)	09
Standard Conventional Reusable blades	10 - 15
Macintosh Blades English Profile	11
Miller Blades English Profile	12
MacFlex Blades English Profile	13
Conventional Laryngoscope Sets	14
Battery Handles Stainless Steel	15
Battery Handles Brass Chrome Plated	15
Replacement Lamp for Conventional Laryngoscope	15
Fiber Optic Green System Disposable blades	16 - 23
Macintosh Blades, Fiber Optic Acrylic, Semimetal	17
Miller Blades, Fiber Optic Acrylic, Semimetal	18
Macintosh Blades Fiber Optic Acrylic, Metallic	19
Miller Blades Fiber Optic Acrylic, Metallic	20
Macintosh Blades, Fiber Optic Acrylic, Full-Plastic	21
Miller Blades Fiber Optic Acrylic, Full-Plastic	21
MacFlex Blades, Fiber Optic Acrylic, Full-Metalic	21
Battery Handles Fiber Optic LED, Semimetal with Batteries	22
Battery Handles Fiber Optic LED, Metallic with Batteries	22
Battery Handles Fiber Optic LED, Semimetal without Batteries	22
Battery Handles Fiber Optic LED, Metallic without Batteries	22
Disposable Metallic Kits (Battery Included)	23
Disposable Metallic Kits (W/O Batteries)	23
Replacement LED Capsule	23
Conventional Disposable Blades	24 - 29
Macintosh Blades LED, Semimetal	25
Miller Blades LED, Semimetal	26
Macintosh Blades LED, Metallic	27
Miller Blades LED, Metallic	28
Battery Handles Conventional, Semimetal	29
Battery Handles Conventional, Metallic	29
Reusable Special Blades	30 - 35
Macintosh Blades, American Profile	30
Miller Blades American Profile	30
Philips Blades American Profile	31
Wisconsin Blades American Profile	31
Macintosh Blades, Improved View, English Profile	32
Wis-Hipple Blades, American Profile	32
Robertshaw Blades, English Profile	33
Seward Blades, English Profile	33
Polio Blades, English Profile	34
Oxford Blade, English Profile	34
Miller Blades, Oxiport English Profile	35
Macintosh Blades, Reduced Flange, English Profile	35

FIBER OPTIC
GREEN SYSTEM
REUSABLE BLADES

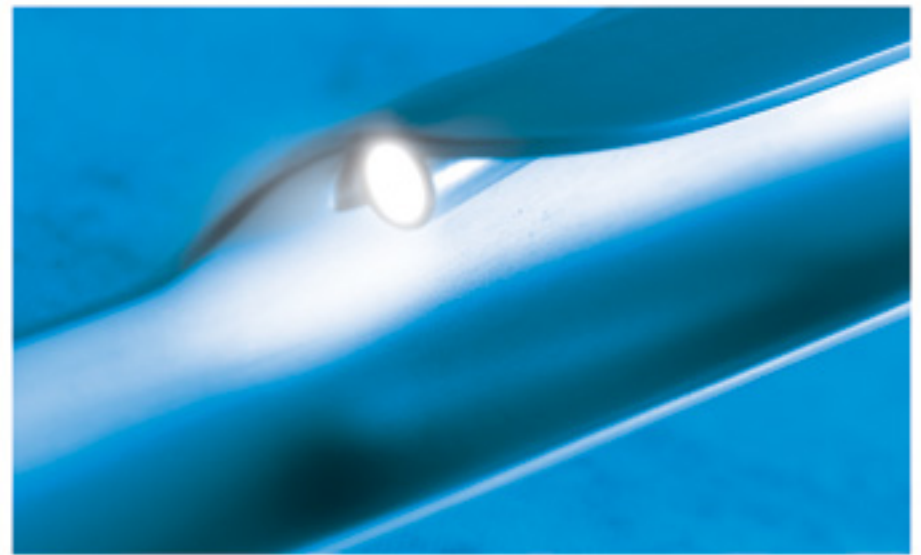


- All blades in green system crafted from finest non-magnet stainless steel minimize the risk of contamination.
- Cool and brighter light with no chance of tissue burning during long intubation procedures.
- Superior quality of glass fiber optic gives maximum bright illumination to view the larynx of human body.
- Removable light guide can be autoclave separately, which makes long life of blade.
- Autoclaveable at 134c° 5 min, for 2000-3000 cycles at maximum light output.
- All blades and handles are made to comply with ISO 7376, allow compatibility with existing blades and handles.
- Complete range of handles also equipped with LED lamps.
- LED technology has longer additional life time with 50,000hrs and continuous 2hrs operating time.
- Brighter than Xenon lamp with 8,000 – 10,000 LUX transmission light at the tip of the blade.



The English Macintosh is similar to the conventional Macintosh except that the flange is curved and lower at the handle end. Two studies have proved that this blade provided better results than other commonly used blades.

Code	Description	Blade Number	Size
AL-1401-00	Premature	00	68mm
AL-1401-0	Neonate	0	80mm
AL-1401-1	Infant	1	92mm
AL-1401-2	Child	2	105mm
AL-1401-3	Medium Adult	3	135mm
AL-1401-4	Large Adult	4	155mm
AL-1401-5	X-Large	5	175mm

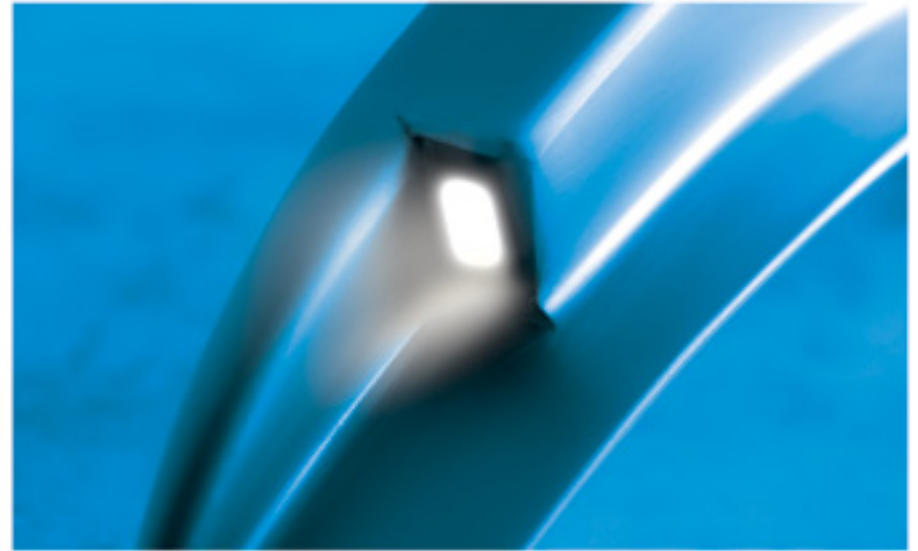


The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip.

In cross-section the flange, web, and tongue form a C with the top fattened. Placing the bulb on the right side allows it to be protected by the flange. Several modifications have been described.

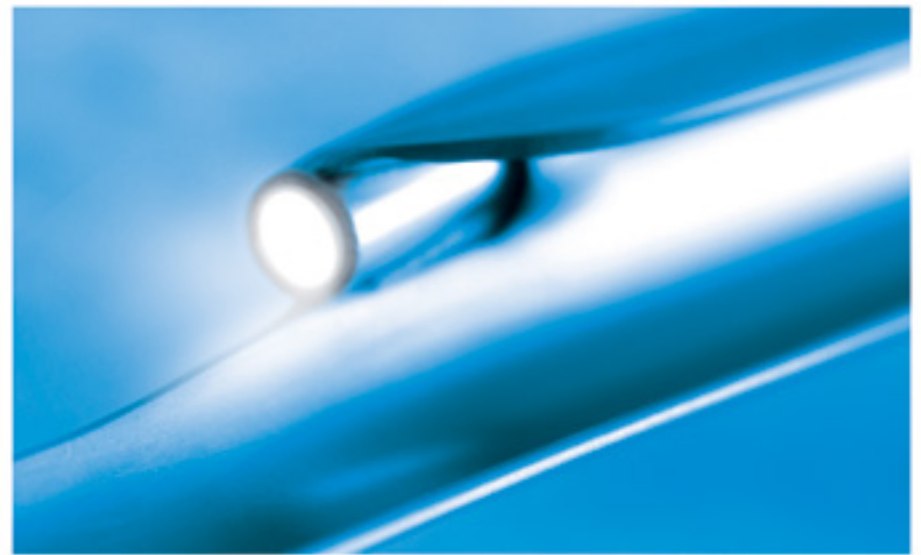
In comparing the Macintosh and Miller blades, it was found that force, head extension and cervical spine movement were less with the Miller.

Code	Description	Blade Number	Size
AL-1402-00	Premature	00	65mm
AL-1402-0	Neonate	0	78mm
AL-1402-1	Infant	1	102mm
AL-1402-2	Child	2	154mm
AL-1402-3	Medium Adult	3	195mm
AL-1402-4	Large Adult	4	205mm



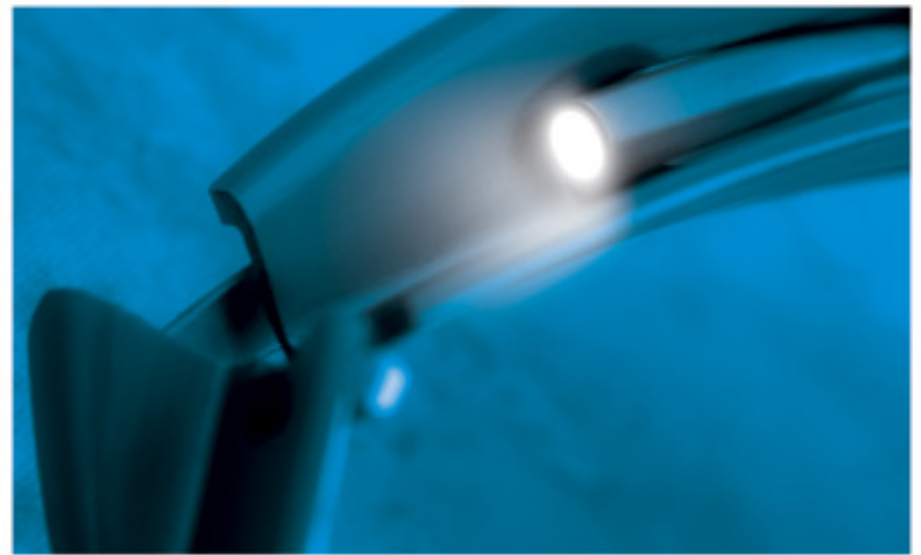
- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there are no extra cavities or light path to become contaminated.
- Smooth and low profile blade design which gives no chance of damaging teeth and upper part of mouth.
- Integrated light guide blade design for quick cleaning and sterilization without extra effort for connecting screw.
- Compatible with all handles of ISO 7376 (Green System).
- Autoclaving at 134 °C /5 min. maximum light output with 3000-4000 cycles.

Code	Description	Blade Number	Size
AL-1403-0	Neonate	0	80mm
AL-1403-1	Infant	1	93mm
AL-1403-2	Child	2	114mm
AL-1403-3	Medium Adult	3	135mm
AL-1403-4	Large Adult	4	155mm
AL-1403-5	X-Large	5	175mm



- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there are no extra cavities or light path to become contaminated.
- Smooth and low profile blade design which gives no chance of damaging teeth and upper part of mouth.
- Integrated light guide blade design for quick cleaning and sterilization without extra effort for connecting screw.
- Compatible with all handles of ISO 7376 (Green System).
- Autoclaving at 134 °C /5 min. maximum light output with 3000-4000 cycles.

Code	Description	Blade Number	Size
AL-1404-00	Premature	00	65mm
AL-1404-0	Neonate	0	78mm
AL-1404-1	Infant	1	102mm
AL-1404-2	Child	2	154mm
AL-1404-3	Medium Adult	3	195mm
AL-1404-4	Large Adult	4	205mm



These blades have a flexible tip that is controlled by a lever attached to the proximal end of the blade. When the lever is pushed toward the handle, the tip of the blade is flexed. This laryngoscope may be helpful when a difficult intubation is encountered. It may be especially useful in patients with minimal neck movement. External laryngeal pressure may further improve the view. However, it will not always improve the view and may worsen it. Even if the blade does not improve the view of the larynx, it may improve the likelihood of successful intubation by elevating the epiglottis. In some patients in whom the view is satisfactory with the Macintosh blade, use of the Flexible tip blade may make the view worse.

Code	Description	Blade Number	Size
AL-1405-2	Child	2	105mm
AL-1405-3	Medium Adult	3	130mm
AL-1405-4	Large Adult	4	155mm



These blades have a flexible tip that is controlled by a lever attached to the proximal end of the blade. When the lever is pushed toward the handle, the tip of the blade is flexed. This laryngoscope may be helpful when a difficult intubation is encountered. It may be especially useful in patients with minimal neck movement. External laryngeal pressure may further improve the view. However, it will not always improve the view and may worsen it. Even if the blade does not improve the view of the larynx, it may improve the likelihood of successful intubation by elevating the epiglottis. In some patients in whom the view is satisfactory with the Macintosh blade, use of the Flexible tip blade may make the view worse.

Code	Description	Blade Number	Size
AL-1424-2	Child	2	108mm
AL-1424-3	Medium Adult	3	130mm
AL-1424-4	Large Adult	4	155mm

Macintosh Fiber Optic Xenon Laryngoscope Sets, English Profile

Code	Description
AL-1415-1	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1415-2	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1415-3	Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

Miller Fiber Optic Xenon Laryngoscope Sets, English Profile

Code	Description
AL-1417-1	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1417-2	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1417-3	Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

MacFlex Fiber Optic Xenon Laryngoscope Set, English Profile

Code	Description
AL-1418-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

MacFlex Fiber Optic LED Laryngoscope Set, English Profile

Code	Description
AL-1419-1	MacFlex F.O LED Laryngoscope Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

Macintosh Fiber Optic LED Laryngoscope Sets, English Profile

Code	Description
AL-1420-1	Mac F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1420-2	Mac F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1420-3	Mac F.O LED Laryngoscope Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

Miller Fiber Optic LED Laryngoscope Sets, English Profile

Code	Description
AL-1421-1	Miller F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1421-2	Miller F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1421-3	Miller F.O LED Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

Mega MacFlex Fiber Optic Xenon Laryngoscope Set, German Profile

Code	Description
AL-1422-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

Maga MacFlex LED Laryngoscope Set, German Profile

Code	Description
AL-1423-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
AL-1423-2	Set of 3 Blades 2,3,4, with 1 Med Handle, 1 Replacement Lam in Plastic Case



Battery Handles & Replacement Light Guides For Green System Fiber Optic Laryngoscope

- Diamond knurled barrel gives strong grip to the user.
- LED brighter illumination with 80,000 LUX.
- LED operating time over 50,000 hrs.
- 2hrs operating time at maximum illumination.
- Viewing angle at 130 with color temperature color temperature 6500K.
- Conforms to all Green System blades as per ISO 7376 standard.
- Simple change of batteries at the base of the handle.
- Crafted from high quality chrome plated brass.
- Battery usage is minimized due to the low power consumption.
- Fully autoclavable @ 134° C for 5 minutes.



Battery Handles Fiber Optic Xenon, Stainless Steel

Code	Description	Battery	Size
AL-1451-1	Infant	1xLithium 123 Size	122mm
AL-1451-2	Stubby	2xAA Size	125mm
AL-1451-3	Pediatric	2xAA Size	160mm
AL-1451-4	Medium	2xC Size	160mm
AL-1451-5	Large	2xD Size	175mm

Battery Handles Fiber Optic Xenon Brass Chrome Plated

Code	Description	Battery	Size
AL-1452-1	Infant	1xLithium 123 Size	122mm
AL-1452-2	Stubby	2xAA Size	125mm
AL-1452-3	Pediatric	2xAA Size	160mm
AL-1452-4	Medium	2xC Size	160mm
AL-1452-5	Large	2xD Size	175mm



Battery Handles Fiber Optic LED, Stainless Steel

Code	Description	Battery	Size
AL-1453-1	Infant	1xLithium 123 Size	122mm
AL-1453-2	Stubby	2xAA Size	125mm
AL-1453-3	Pediatric	2xAA Size	160mm
AL-1453-4	Medium	2xC Size	160mm
AL-1453-5	Large	2xD Size	175mm

Battery Handles Fiber Optic LED Brass Chrome Plated

Code	Description	Battery	Size
AL-1454-1	Infant	1xLithium 123 Size	122mm
AL-1454-2	Stubby	2xAA Size	125mm
AL-1454-3	Pediatric	2xAA Size	160mm
AL-1454-4	Medium	2xC Size	160mm
AL-1454-5	Large	2xD Size	175mm

Replacement Lamps

Code	Description	Voltage
AL-1455-1	Xenon	2.5V
AL-1455-2	LED	3.0V
AL-1455-3	Halogen	2.5V
AL-1455-4	Halogen	3.5V



Replacement Fiber Optic light Guides English Profile (4mm)

Code	Description	For Blades
AL-1461-00	Miller Blade	00
AL-1461-0	Miller Blade	0
AL-1461-1	Miller Blade	1
AL-1461-2	Miller Blade	2
AL-1461-3	Miller Blade	3
AL-1461-4	Miller Blade	4
AL-1462-00	Macintosh Blade	00
AL-1462-0	Macintosh Blade	0
AL-1462-1	Macintosh Blade	1
AL-1462-2	Macintosh Blade	2
AL-1462-3	Macintosh Blade	3
AL-1462-4	Macintosh Blade	4