

FENTEX  
■ ■ ■ *medical*

*Now available  
new and improved*



*LARS Retractor 2.0*

*Larynx Advanced Retractor System*

## Introduction

The LARS (Larynx Advanced Retractor System) represents an open retractor system designed to provide unobstructed access to the affected region of the upper aerodigestive tract.

A truly modular design with a large variety of different tongue blades and other accessories makes this retractor system suitable for a wide range of indications in the surgical treatment of oropharyngolaryngeal lesions. The convex shape and size of the frame itself is adapted to the facial anatomy and provides maximum exposure of the operative field transversally. Ideally suited for TORS (Trans Oral Robotic Surgery) the main retractor frame makes room for the movement of the robotic arms, thus reducing set-up time and time for repositioning in the OR.

## Features and benefits

In comparison to conventional operating laryngoscopes, the open LARS frame system allows an optimal access and visibility of the anatomical region of interest without confining the surgeon to a small laryngoscope tube.

At the same time, it helps with instrument maneuverability due to its large frame and flexible accessories.

The retractor head holding the tongue blade can be adjusted in multiple directions allowing vertical and horizontal movement as well as angular adjustment of the blade.

All accessories or attachments can be added or changed during surgery, without removing the frame from its position.

The surgeon has the advantage of an optimal access and view of the operation site as well as increased maneuverability of instruments – whether the instrument is in the hand of the surgeon or used via robot.

It is suitable for applications with endoscopes, exoscopes and microscopes: The advantage applies to all types of oral procedures.



## *Highlights*

- » Wide and curved retractor frame
- » Detachable handle for easy positioning
- » Extended accessibility and range of motion vs. laryngoscope tube
- » Optimal visibility of the affected region
- » Flexible positioning of the accessories to avoid collision or obstruction
- » Different palatal support options available in respect of the dental status of the patient
- » Large variety of accessories such as smoke evacuation tube



**540700FX** Basic Frame LARS 2.0 with two palatal elements  
 > **handle is detachable**



**540760FX** Cheek Retractor, pair, WL 4 cm



**540761FX** Cheek Retractor, pair, WL 9 cm



**540762FX** Cheek Retractor, pair, WL 11 cm














**540703FX** Clip Bar



**540705FX** Universal adapter



**540706FX** Adapter for Cheek Retractors, pair

	<b>118927FX</b>	Connector for articulated arm
	<b>540710FX</b>	Connector for Chest Support
	<b>540775FX</b>	Light carrier
	<b>540770FX</b>	Smoke Evacuation Tube
	<b>540720FX</b>	Mandibular blade
	<b>540721FX</b>	Tongue blade, short, curved
	<b>540722FX</b>	Tongue blade, long, curved
	<b>540723FX</b>	Tongue blade, curved, with left aperture
	<b>540724FX</b>	Tongue blade, curved, with right aperture
	<b>540740FX</b>	Laryngeal blade, short, concave, slightly curved
	<b>540741FX</b>	Laryngeal blade, long, concave, slightly curved
	<b>540742FX</b>	Diverticuloscope blade, concave, slightly curved
	<b>540743FX</b>	Special blade

**Articulated Arm:**

- This fixation arm features 3 joints for 3-dimensional movement with a single fixation wheel to freeze the arm in any given position
- Height adjustable column with rail clamp



**118960FX** Rail Clamping Base for articulated arm 118970FX

**118970FX** Articulated arm with L-Column with central one hand fixation 40 cm

**Chest support:**

**530500FX** Chest Support for adults, support rod 34 cm

**530505FX** Chest Support for children, support rod 24 cm



**Cheek and Lip Expander:**

Ideally suited in combination with the LARS frame

**424200FX** Cheek and Lip Expander by Spandex, small type, autoclavable, Box with 2 pcs.

**424201FX** Cheek and Lip Expander by Spandex, large type, autoclavable, Box with 2 pcs.



**Teeth Protectors:**



**896100FX** Camo Teeth Protector, non-sterile, non-autoclavable

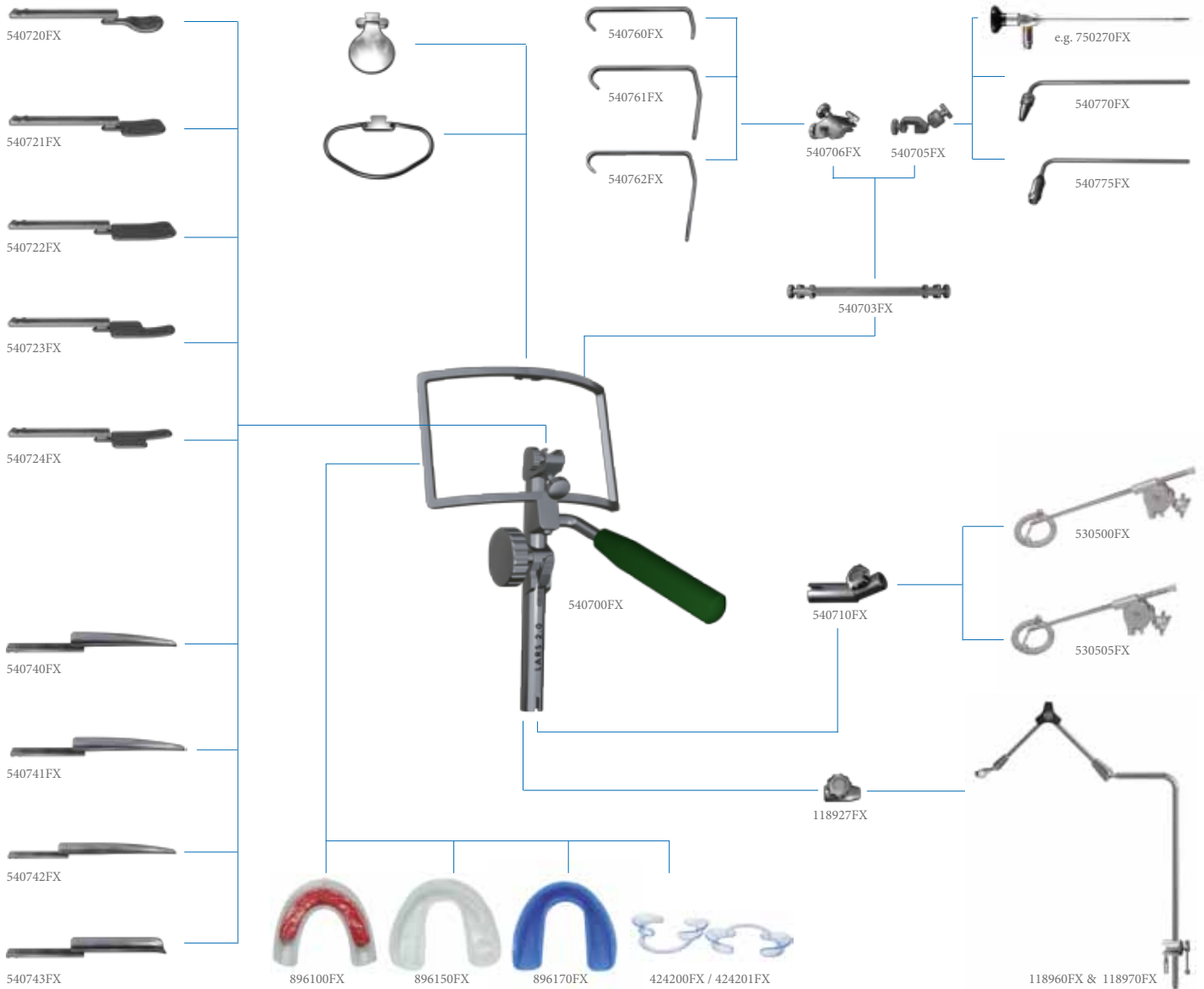


**896150FX** Teeth Protector, non-sterile, non-autoclavable



**896170FX** Medasil Teeth Protector non-sterile, non-autoclavable pack of 20 pcs.

## System overview



## LARS Retractor 2.0

### Larynx Advanced Retractor System

FENTEX medical GmbH is a medical company specializing in manufacturing and marketing of surgical instruments and endoscopy systems for ENT and Head & Neck surgeons. It is located near Tuttlingen, the world renowned „Silicon Valley“ of surgical instruments.

FENTEX instruments and endoscopes are exclusively made in Germany. High quality components and attention to detail all in combination result in precision, dependability and durability of FENTEX products.

# FENTEX

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