

Levó[™]

A Modular Head Positioning System



Intuitive Control and Precision



Designed with safety and performance in mind, the **Levó™ Head Positioning System** introduces a new level of control and precision to head positioning for all spine procedures from cervical to sacrum. The flexibility offered through the product's modular design allows it to be configured to support each case's unique demands.

Through the power provided by an electro-mechanically designed arm, Levó provides an exceptional range of motion that addresses even the most challenging head positioning needs. With a quick and secure release and locking mechanism, Levó allows the user to move the head safely both preoperatively and intraoperatively. With a focus on improved access and advanced performance, Levó brings the user a truly elevated surgical experience.





Precise
Positioning



Advanced Motion & Functionality

Providing fluid yet controlled motion is the focus of the Levó Head Positioning System. This smooth performance is driven by an innovative electro-mechanical technology that replaces the starburst locking mechanism traditionally found on head stabilization devices. The System's design provides the user with an interface that is safe, fast, and easy to engage.

Improved Safety

- Device movement is enabled with simple and secure two-step release mechanism
- No starbursts to loosen and re-engage when positioning adjustments are required
- Visual and audible feedback ensures locking mechanisms are securely engaged

Precision

- Ideal preoperative and intraoperative positioning is achieved through the device's six degrees of freedom
- Instantaneous locking when desired position is achieved

Easy To Use

- Release levers and buttons are readily accessible
- Blue user touch points are easy to identify



QuickConnect System

The QuickConnect Adapter allows for an easy and fast connection of the skull clamp to the Levó Arm during patient transfer, reducing the amount of time required for initial setup.

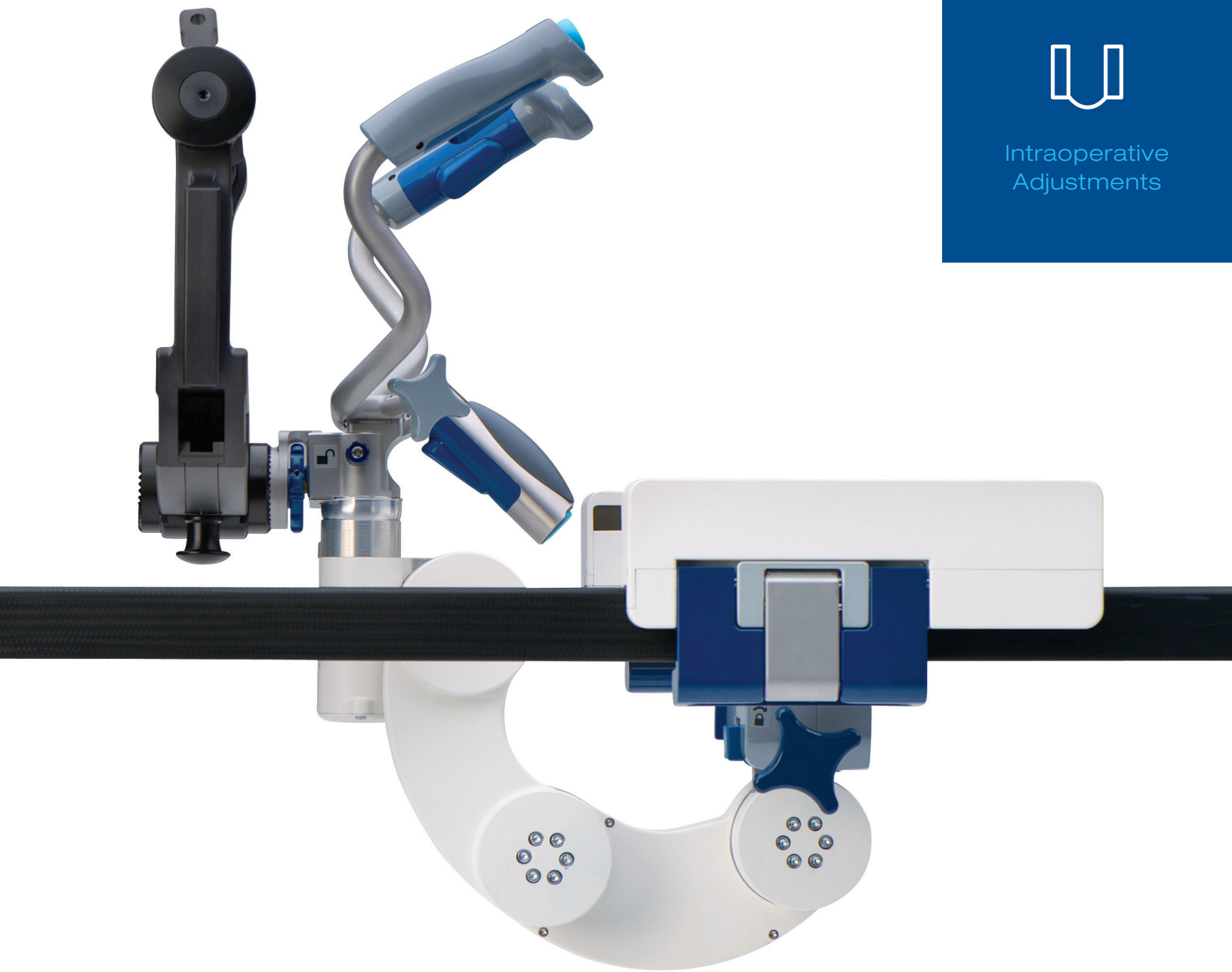




Prone Platform

The Prone Platform supports enhanced head positioning when used with the ProneView® Helmet or GentleTouch® Pillow. Using Levó's full motion capabilities, the Prone Platform can be easily adjusted to obtain a neutral neck position.





Intraoperative
Adjustments

Ergonomic Control Handles

The Levó Control Handles put the surgeon in control of all head positioning adjustments, whether needed prior to or during surgery. This module facilitates precise positioning with a continued focus on patient safety.



Safe and Simple Intraoperative Adjustments

Surgeon Control

- Intraoperative adjustments can be made by the surgeon without having to break scrub or disturb the sterile field
- Allows for direct visualization of the anatomical corrections being made

Patient Positioning Benefits

- Extensive range of motion supports patient's initial and corrected anatomy
- Ability to easily move the head intraoperatively helps reduce strain on the spinal construct



Patient Rotation

Levó facilitates safe and secure positioning of the patient's head during 180 degree rotations.



Dual Motion Base

Mounts on the spinal frame and provides both longitudinal and lateral motion



Flexibility with Modularity

With various interchangeable modules comprising the system, Levó offers the user a customized experience for every case. Providing solutions for head positioning when using either a skull clamp or a face pillow, Levó is a versatile platform that delivers optimal utilization. The modularity of the system provides a range of functionality from intraoperative motion with the Control Handles to fine adjustment with the Z Tower. With a Base and the Arm comprising the core setup, all Levó modules are designed to interface seamlessly in order to provide superior patient positioning.

Levó Compatibility:

- Trios® Surgical Table System
- Spinal Table System (STS)



Prone Platform

Connects directly to the Arm and supports the ProneView® Helmet and GentleTouch® face pillows



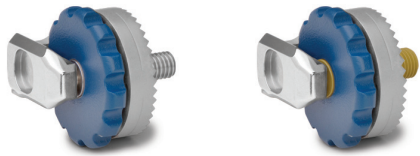
Lateral Base

Mounts on the spinal frame and provides lateral motion only



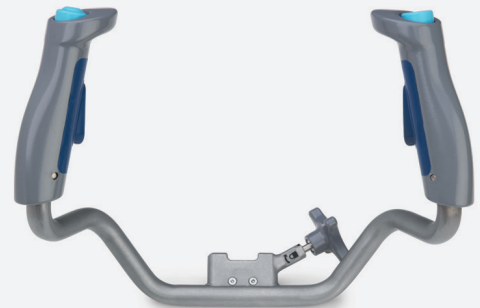
Arm

Electro-mechanical in design, supports movement of the patient's head during positioning and adjustment



QuickConnect Adapters

Available for Aluminum or Radiolucent models of DORO® or Mayfield® skull clamps



Control Handles

Allow for single user adjustment of the patient's head both preoperatively and intraoperatively

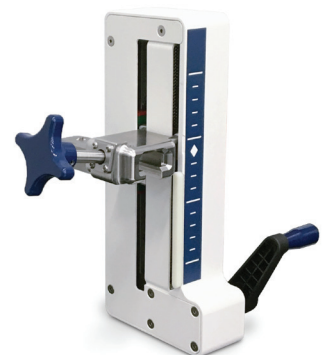


Raised Chest Support Plate with Contoured Chest Pad

Provides an elevated platform to support the patient's upper body for cervical cases

Z Tower

Provides controlled vertical motion that can be reversed



Levó Packages

The Levó System comes in multiple sales packages in order to meet the specific needs of each user.



Prone

The Prone Package provides a system that easily positions the patient's head for non-cervical prone spine cases using the enhanced range of motion provided by the Levó Arm.

Standard

The Standard Package provides a system that supports both cervical cases when a skull clamp is needed as well as other prone spine procedures that only require the Prone Platform to support the head.

Cervical

The Cervical Package provides the primary components needed to effectively use the system for prone cervical cases. This package includes the Arm, QuickConnect adapter, and Control Handles, allowing for efficient patient positioning and intraoperative adjustments.

Premium

The Premium Package includes all positioning modules, including the Z Tower, which provides fine controlled vertical motion. This configuration offers ultimate versatility by providing all platforms and adjustment interface options.

Specifications & Components



Specifications

Patient Weight Capacity 650 lbs. (295 kgs)

Adjustment Ranges

Lateral – Dual Motion Base 7.6 in. (19.3 cm)
 Lateral - Lateral Base 6 in. (15.2 cm)
 Longitudinal (Dual Motion Base only) 6.25 in. (15.9 cm)
 Height adjustment (Z Tower only) 6.7 in. (17 cm)

Arm Ranges

Longitudinal 7.25 in. (18.4 cm)
 Vertical 14.5 in. (36.8 cm)
 Yaw (Ball Joint) ±40°
 Roll (Ball Joint) ±20°

Adjustable Mirror

Lateral tilt ±45°
 Longitudinal tilt -10° to +45°

Ordering Information

Trios® / STS Base Packages

REF 7887-400 Levó Premium Package
 7887-300 Levó Standard Package
 7887-200 Levó Cervical Package
 7887-100 Levó Prone Package

Modules

REF 7887-010 Levó Dual Motion Base
 7887-020 Levó Lateral Base
 7887-050 Levó Arm
 7887-080 Levó Control Handles
 7887-840 Contoured Chest Pad
 7887-831 Raised Chest Support Plate
 7887-070 Levó Prone Platform
 7887-060 Levó Z Tower
 7887-801 QuickConnect Aluminum Skull Clamp
 7887-802 QuickConnect Radiolucent DORO®
 7887-803 QuickConnect Radiolucent Mayfield®

Storage Cart

REF 7887-090 Levó Storage Cart

Levó is ONLY approved and validated for use with the Mizuho OSI Trios® Table System and STS. Use of the device with any other system may result in harm to the patient, the table top, the device or the healthcare professional.

Package Module Components

Module	Prone	Cervical	Standard	Premium
Arm	•	•	•	•
Dual Motion Base		•	•	•
Lateral Base	•			
QuickConnect Aluminum Adapter		•	•	•
Prone Platform	•		•	•
Control Handles		•	•	•
Z-Tower				•
Contoured Chest Pad		•	•	•
Raised Support Plate		•	•	•

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Patents Pending.

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