

# PROMERIX™

Electro-Hydraulic Operating Table

Increased efficiency in  
all surgical procedures

OPERATING ROOM

DAY SURGERY



## Promerix operating table

Promerix is an easy-to-use mobile operating table for all kind of surgeries, meeting the strictest demands of modern operating theatres. With its modular table top and comprehensive range of accessories, Promerix can be configured for each surgical procedure and for all patient sizes in the best possible way.

Promerix provides open access to the operated area and excellent working ergonomics for the surgical team without compromising on patient safety. The electro-hydraulic adjustments are controlled via user friendly hand controls, either wireless or wired, or foot control units. Promerix is also easy to maintain.





“The new leg sections, just to name one of the features, have really improved the overall working environment. The total solution makes everything more flexible and lets us do a better job for the patient,”

– Pia Grönberg, scrub nurse at Borås Hospital outpatient surgery.

## Merivaara range of mobile operating tables

Hydraulic

Electro-mechanical

Electro-hydraulic



Practico Manual



Rapido



Practico



Promerix  
Promerix B3

## Adjustable for your needs



- Suitable for both general and special fields of surgery
- Modular construction, detachable table top sections and reverse functions allows wide range of patient positioning
- Electro-hydraulic adjustments
- Ergonomic and easy to use
- Mobile table with driving wheel (optional) and stable floor-lock system.
- Safe working load (SWL) 325 kg, with sliding function 275 kg
- Fulfills X-rays and C-arm requirements through its sliding function and table section material
- Promerix operating table is compatible with Storz OR 1TM NEO (optional feature)

### More efficient shoulder arthroscopy procedures with Beach Chair back section

Merivaara's unique Beach Chair back section has been specifically designed for shoulder arthroscopy. The patented Beach Chair accessory virtually eliminates manual handling and saves valuable time as patients are positioned for surgery.

Lightweight and user-friendly, the solution offers advanced ergonomics for the patient and the surgical team. Multi position headrest and removable shoulder support allow patients to be comfortably positioned for shoulder surgery, whether awake or asleep, and keep the patient appropriately positioned throughout the procedure. They also help avoid the pressure on the other shoulder – a common problem in lateral position. The surgeon has open access to the operated area and the working position is good.



## Pre-programmed positions



Flex



Beach Chair



Reflex



Level (zero position)



### Available with sliding table top

Longitudinal shift (410 mm) in sliding model (optional) enables easy access to the operated area for both the surgical team and the C-arm.



### Knee-chest device for spinal procedures

Merivaara's Knee-Chest device is designed for spinal procedures which needs meticulous and special care for patient positioning in genucubital position. This position helps relieve pressure on the abdomen and chest area.



# Modular construction

Divided leg sections, gas spring assisted, length 680 mm  
1000 30248



Leg section, gas spring assisted, length 645 mm  
1000 30147



Divided leg section, gas spring assisted, length 880 mm  
1000 60475



25-gynaecologic section  
1000 60425



Extension 25-section  
1000 60250

25-section  
1000 60250

40-gynaecologic section  
1000 60440



Divided leg sections, powered angle, mechanical dual joint abduction, length 880 mm,  
1000 60480



Divided leg sections, 4 section incl. solid pelvic plate, length 865 mm,  
1000 60484



## Divided leg sections

### Several options available:

- 4-sectional, powered leg sections with pelvic plate
- Divided leg sections with powered angle adjustment and mechanical dual-joint abduction, left and right separately or parallel
- Gas-spring assisted divided leg sections in two different length options (680mm and 880mm)



40-section  
1000 60240



ENT- upper back section  
1000 60325



Beach Chair Back Rest  
for shoulder arthroscopy  
1000 60525



(Special head rest  
1000 30126)



Seat section



40-section  
1000 60240



25-section  
1000 60250



Head rest  
60140



25-short section  
1000 60225



Double articulated  
head rest  
60142



Head Rest for kidney and  
thorax position  
60147  
(requires adapter 60146)

### Enhance the looks and durability with a stainless steel base cover

- Available with an optional stainless steel base and castor cover.
- Looks elegant
- Provides excellent protection and resistance to mechanical wear and tear, as well as cleaning agents.



### Easy detachable table top

- Simple construction
- Unique latching mechanism
- Quick and easy to change table top configuration
- Efficient and ergonomic for the OR staff
- Optimal size and weight

## Multi-purpose table for all procedures



ENT-surgery



Laparoscopic surgery



Ophtalmic surgery, ENT-surgery



ENT-surgery, struma position



Urology





Lithotomy position (low)



Lithotomy position (high)



Laparoscopic surgery



General surgery

## Multi-purpose table for all procedures



Neurosurgery



Neurosurgery



Spine and disk surgery



Lateral position





Kidney and thorax surgery



Beach Chair position, shoulder arthroscopy



Laparoscopy surgery, MIS surgery



Hand surgery



Orthopedic surgery with extension device

## Modern features for patient safety and ease of use



### Merimote™ – a multifunctional remote control

- Intuitive touch screen, simple to use
- User-friendly, heuristic feedback
- Unlimited number of positions can be memorised for future use
- Gives access to advanced product support

### User friendly, logically-designed standard hand control units

- Back light function
- LED-diagnostic lights for:
  - Patient orientation
  - Table's battery status
  - Floor Lock status
  - 5th wheel status
- Pre-programmed positions for:
  - Flex, Reflex, Beach Chair, Level
  - M1 + M2 customer specific programmable positions

### IR hand control

- Includes 64 different codes to be used for different tables
- Can easily be set by the nursing staff or service technicians to match the table



### Clear and logical control devices

- Merimote touch-screen remote control (optional) - NEW!
- Hand control with cable
- IR Hand control
- Foot control
  - Height, Trendelenburg, lateral tilt
- Override-panel in the column
  - Table can always be controlled from the panel in the column instead of using the other control devices
  - Full hardwired override for: Height, Trendelenburg, Lateral Tilt, Back, Leg and Floor Lock
  - Diagnostic LED-lights for: Patient Orientation, Battery Status, Floor Lock and 5th wheel







### Maximal stability, also with sliding version

- Promerix operating table is designed for heavy duty use with two column options:
  - B3 (bariatric, non-sliding) with max SWL of 325 kg
  - Sliding version with max SWL of 275 kg
- Normal and reverse mode
- Steady floor lock mechanism
- Max lifting capacity 490 kg





## PC Software (for service and upgrades)

- USB-connection to PC
- Virtual hand set
- Software upgrades
- Setting the parameters
- Setting the pre-programmed positions
- Diagnostics

**New feature!**



## Drive Wheel

- Improved ergonomics in patient transport
- Two-directional movements (forward and backward)
- Stepless speed adjustment
- Accessory rail attached joystick - freedom to operate
- Can also be used as a normal 5th wheel



## Power supply

- Battery operated table
  - Large battery capacity
  - Enough up to one week's operations
- Mains power use
  - Table can be used while charging batteries



## Base, Castors and Floor Lock

- Great mobility with strong, antistatic double castors
- Reliable and stable Floor Lock, electro-hydraulic, locking mechanism
- Optional fifth and drive wheel
- Stainless steel cover as option



## Memory foam mattress for maximum patient safety and comfort

Choose among IS or VEF mattresses. Visco Elastic Foam (VEF) reacts to body heat and weight, moulding to the body shape to relieve pressure points and reduce risk of pressure sores. As VEF maintains a greater proportion of the body in contact with the mattress, the pressure on bony prominences is substantially reduced.

- 80 mm visco-elastic memory foam (Mfoam) mattress.
- Sonically welded seams to prevent the ingress of fluids, and reducing the possibility of infection.
- Air Filter System is incorporated to allow air but not fluid to pass in and out of the mattress.
- Full anti-static and latex free cover, super Stretch Fabric vapour permeable.

## Technical Specifications

Table top sections	6-sections
Length of table top	2100 mm
Table top width (without rails)	540 mm
Weight	325 kg B3: 300 kg
Safe working load	275 kg B3: 325 kg
Maximum lifting capacity	490 kg
Floor clearance	25 mm

### ADJUSTMENT RANGES

Height	650–1110 mm B3: 610–1070 mm
Lateral tilt	-25° ... +25° B3: -20° ... +20°
Trendelenburg	35°
Reverse Trendelenburg	35°
Longitudinal shift (not in model B3)	410 mm
Head section	-45° ... +45°
Back section	-45° ... +80°
Leg section	-105° ... +70° B3: -95° ... +70°
Optional integrated kidney-body-elevator lower back rest	0–110 mm
Preset positions	1 + 3
Customer specific programmable positions (M1, M2)	2 + 2

### ADJUSTMENTS

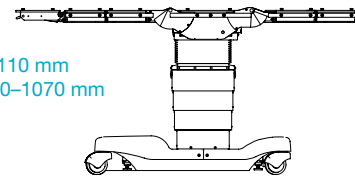
Height, flex, reflex, sliding Trendelenburg and lateral tilt leg and back section	Motor-driven
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- EN 60601-1, EN 60601-1-2, EN 60601-1-4, EN 60601-2-46
- UL 60601-1, CAN/CSA C22.2, No 601.1-M90, R2001
- Promerix is classified into the class I according to European Council Directive 93/42/EEC Class I (Annex IX)



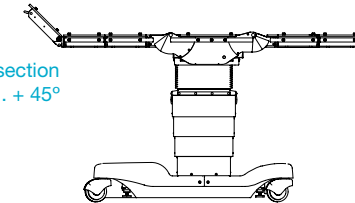
Length of table top 2100 mm

Height  
650–1110 mm  
B3: 610–1070 mm



Longitudinal shift 410 mm (Not in B3)

Head section  
- 45° ... + 45°



Back section  
- 45° ... + 80°

Leg section  
-105° ... +70°  
B3: -95° ... + 70°

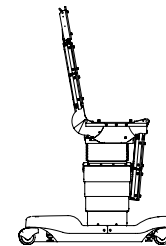
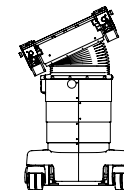
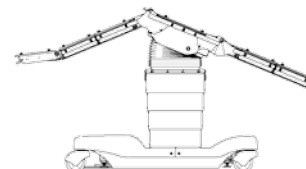


Table top width 540 mm

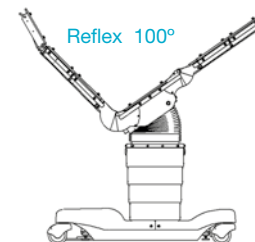


Lateral tilt ± 25°, B3: ± 20°

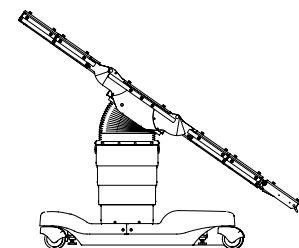
Flex 225°



Reflex 100°



Trendelenburg adjustments ± 35°



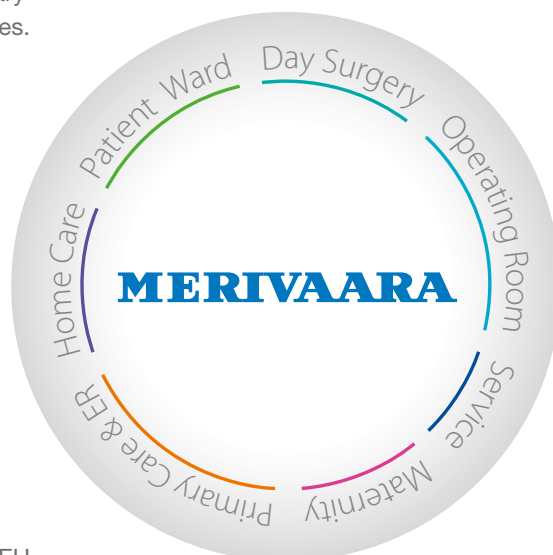
# Solutions for efficient physical patient flow and well-being

Merivaara provides a wide range of hospital-grade furniture such as operating tables, medical lights, examination tables, trolleys and stretchers for transportation and day surgery, as well as birthing and patient beds. Additionally, our new concepts include both revolutionary integrated management systems and after-sales services.

Our versatile solutions and product offering enable convenient and cost-effective physical patient flow within the hospital, in day surgery and health clinics, as well as in nursing homes and home care. Our priority is to enhance comfort and well-being of both patients and their caregivers.

Established in 1901, Merivaara has more than 100 years of experience in designing and manufacturing hospital-grade furniture. Today our products are highly appreciated by users in more than 120 countries thanks to their ease-of-use, durability and ergonomic design.

Merivaara's medical products are CE-labelled and the company's quality management system complies with EU directives for medical device. It is certified by DNV according to ISO 9001:2008 and ISO 13485:2003 standards. The company's environmental management system is ISO 14001:2004 certified.



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