

GENERAL SURGICAL OPERATING TABLES/ STERILIZATION EQUIPMENT



ADELA series

I. General Surgery Operation Table

Our Operation Tables; Have been designed to be used by trained, certificated and formally assigned hospital personnel or other authorized persons and have been produced to be used in all the surgical operations on patients including orthopedic procedures, gynecologic or urologic procedures in healthcare facilities.



- Easy-to-use and ergonomic design suitable for General Surgery procedures
- Design to provide the safety of the patient and the operation team
- Possibility of ensuring the silent and no-vibration up and down, back piece, Trendelenburg and reverse Trendelenburg, right and left, lateral and horizontal back and forth (sliding) movements of the table using the hand control
- Possibility of manual foot piece movements with the help of gas spring
- Mechanical usage in head section
- Electro-hydraulic power control system
- Design suitable for various patient positions and movements of the X-Ray devices with C-arms
- A rail system for fixing and tightening of all the accessories
- Possibility of positioning the table parallel to the floor (except for the head and foot pieces) by pressing one key on the hand control
- Possibility of saving the required positions in the memory

OPERATING TABLES & STERILIZING EQUIPMENT



- Radiographic tabletop set made from compact laminate material
- The spare control system on the table body
- Easy use under fluoroscopy
- Possibility of fixing the foot piece in place of the head piece
- The mattress on the table is made from multi-layer visco material and is antistatic, impermeable for fluids and antibacterial with a thickness of 60 mm
- It is impermeable against any and all fluids including blood
- Possibility of use for min 60 minutes (capability of 200 movements in the average) in case of power failure thanks to the rapidly charging and no-maintenance battery system (12 A/hr-24 VDC)
- Possibility of flex and re-flex movements with one key on the hand control
- The upper supporting panel is made from aluminum, body and lower coating is made from AISI 304 quality stainless steel, the lower panel and the bearing body is made from GGG 40 material
- A silent and no-vibration electro-hydraulic motor system has been provided to ensure movements allowing various patient positions.
- Featuring the fixation on the floor on four points with the help of electro-hydraulic pistons controlled by the hand control and the controls on the body
- Possibility of being lowered down to minimum 530 mm (mattress excluded) and being raised up to maximum 1000 mm
- Stand-by feature when the table is not in use.
- Possibility of showing the movements of the table on the LCD screen of the hand control
- In addition, backlighting for the keys on the hand control

Weight and Dimensions

Table pieces	5 pieces
Head piece	236x520 mm
Back piece	480x520 mm
Kidney Elevator (optional)	120x620 mm
Seat	580x520 mm
Leg piece	240x605 mm

Length	2000 mm
Width (Rails included)	572 mm
Width (Rails excluded)	520 mm
Weight	280 Kg
Bearing Capacity in all Positions	400 Kg / 280 Kg
Floor Range	32 mm

Positions and Limits

Height (min/max) no-mattress	530-1000 mm
Head piece (Up/down)	90° / 90°
Back piece (Up/down)	75° / 30°
Leg piece (Up/down)	30° / 90°
Tilting of the Leg piece	90°
Flex/Reflex	210° / 100°

Trendelenburg/Reverse Trendelenburg	30° / 30°
Tilting of the upper panel (right/left)	22° / 22°
Horizontal sliding feature (Sliding)	360 mm
Kidney Elevator, optional	120 mm
Thorax Elevator, optional	100 mm

Electrical Characteristics

Protection Class	IPX4
Protection Class	230 VAC 50-60 Hz
Electrical Protection	Class 1
Insulation Class	Tip BF, IEC 60601-1
Battery	It is charged rapidly and required no maintenance
	Charging voltage 24 VDC
	Capacity 12 A/h
	Possibility of use for min. 60 minutes (200 movements)



OPERATING TABLES & STERILIZING EQUIPMENT

Ambient Conditions



- Ambient Temperature: must be in 10°C - 40 °C range.
- Humidity: must be in 30% - 5% range.
- Pressure: 0,7 – 1,06 bars

Table Mattress

Standard

The mattress is made from multi-layer visco material, and is antistatic, fluid-impermeable and antibacterial, and is 60mm thick.

Optional

80 mm, soft upper panel made from visko material, polyurethane middle panel, rubber base, waterproof, antibacterial, antistatic, fixed onto the table with velcro bands.

Model Characteristics

	ZEROING	OBESE	FOOT PIECE HYDRAULIC MOVEMENTS	SLIDLING MOVEMENT	TRENDELEN- BURG	FLEX	TILT	HYDRAULIC LOCKING SYSTEM	BACK PIECE	DOWN UP	TRACTION SET
Adela 6M+	+	-	-	+	+	+	+	+	+	+	+
Adela 7M+	+	-	+	+	+	+	+	+	+	+	+
Adela 5M	-	-	-	-	+	+	+	+	+	+	+
Adela WIDE	+	+	-	+	+	+	+	+	+	+	+
Adela WIDE+	+	+	+	+	+	+	+	+	+	+	+

“ 53 cm lowering feature ”



I. Central Sterilization Units

Our Firm implements turn-key sterilization projects designed by taking the hospital sizes into consideration, and gives services for the installation and commissioning of turn-key Central Sterilization Units.

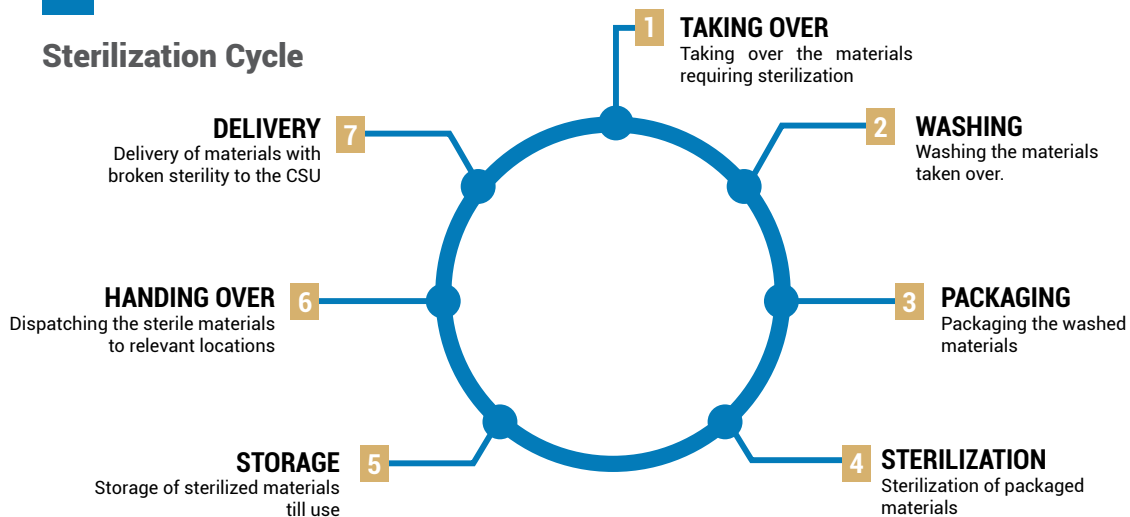
"It is essential for Central Sterilization Units (CSU) to eliminate the microorganisms existing in hospitals."

Sümer A.Ş. offers the following turn-key services for you, our valuable customers, in relation with the Central Sterilization Units;

- Design,
- Central construction,
- Installation of products,
- Commissioning,
- Control and similar.



Sterilization Cycle



Central Sterilization Units are indispensable dynamic centers with great responsibility in ensuring the sterilization safety and prevention of infections, collecting the contaminated materials from various locations in the hospital to process and redelivering them to users and providing continuous services throughout 24 hours during 365 days of the year.

OPERATING TABLES & STERILIZING EQUIPMENT



Chamber Dimensions

Chamber volume (L)	125	175	200	225	250	325	425	470	490	538	580	628	670	718	760	800	900	1000	1200
Height (mm)	500	500	500	500	500	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Width (mm)	500	500	500	500	500	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Depth (mm)	500	700	800	900	1000	750	950	1050	1100	1200	1300	1400	1500	1600	1700	1800	2020	2250	2675
STU Capacity	-	1	1	1	1	2-4	6	6	6	6-8	8	8	8-10	10	10	10-12	12	14	16



Dimensions – Single Sliding Door Steam Sterilizer

Chamber volume (L)	125	175	200	225	250	325	425	470	490	538	580	628	670	718	760	800	900	1000	1200
Height (mm)	1800	1800	1800	1800	1800	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
Width (mm)	890	890	890	890	890	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
Depth (mm)	1250	1300	1350	1400	1500	1100	1450	1550	1600	1700	1800	1900	2000	2100	2200	2300	2500	2750	2900



Dimensions – Double Sliding Door Steam Sterilizer

Chamber volume (L)	200	225	250	325	425	470	490	538	580	628	670	718	760	800	900	1000	1200
Height (mm)	1800	1800	1800	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
Width (mm)	940	940	940	1170	1170	1170	1170	1170	1170	1170	1170	1170	1120	1120	1120	1120	1120
Depth (mm)	1150	1250	1350	1100	1300	1400	1450	1550	1650	1750	1850	1950	2050	2150	2350	2600	2750





**WASHER
DISINFECTORS**

**ULTRASONIC
CLEANER**

**AUTOMATIC
CUTTING &
SEALING
DEVICE**



V. Automatic Cutting & Sealing Device

The patented Adela medical sealing device for hospital and industry applications is a combined self-cutting and sealing system that is contributing to your productivity and flexibility independence by providing an unparalleled blend of benefits.



ADELA C100

Adela can process reels made of medical grade paper/film and Tyvek packaging up to a width of 40cm and can be also used for manual sealing of filled pouches.

Mobility, efficiency and ergonomics reflect the accessories in a complete CSSD. The range of Adela rotary models is available in two versions; Plus and Premium, which are validatable, according to DIN EN ISO 11607-2. Both models have a new compact design and are easy to keep clean.



ADELA C200

All machines carrying the Adela brand are validated, calibrated and in compliance with international standards. The range contains sealers for high-end demands according to DIN EN ISO 11607-2, as well as a basic model for when you simply need to perform good, trouble-free seals.

The adela sealers are a part of a complete package station solution with ergonomically designed sealers, height adjustable packing tables, sealing table, inspection lamps and cutting devices with pouch roll holders. Two of the three sealer models are validatable according to DIN EN ISO 11607-2.



ADELA C300

DESCRIPTION	SIZE
ADELA C300	460 x 930 x 220 mm
Transfer Roller (For ADELA C300)	260 x 950 x 70 mm
ADELA C200	260 x 670 x 700 mm
Transfer Roller (For ADELA C200)	260 x 530 x 105 mm
ADELA C100	210 x 510 x 170 mm
Transfer Roller (For ADELA C100)	260 x 530 x 66 mm



Kidney Elevator

It is used in nephrology surgeries.





NEONATAL PRODUCTS

- I. Mother Milk Refrigerators
- II. Mother Milk Freezers
- III. Mother Milk Refrigerator and Freezers
- IV. Baby Bottle
- V. Injector Heater
- VI. Baby Bottle and Injector Heater



SM series

- I. Mother Milk Refrigerators**
- II. Mother Milk Freezers**
- III. Mother Milk Refrigerator and Freezers**

This device produced by Sümer INC. ensures storage and freezing of breast milk without losing its nutritional value particularly in hospitals, neonatal intensive care units and gynecology and obstetrics units.



General Characteristics

- PLC control system
- Stainless steel internal and external materials
- Three-layer glass door for perfect insulation
- Lockable door with magnetic gasket
- Alarm Systems: Low and high temperature, power failure and temperature sensor failure, audiovisual alarm system for the door left open
- Alarm system is fed by the battery that is charged automatically
- Lighting controlled with one single key on the indicator panel
- Insulation with injected high-density polyurethane
- Mobile rack system with special divisions made from stainless steel
- Housings for feeding bottles and milk pouches for storage on racks
- Special lighting system

Optional

- Optional RS 232 / RS 485 outlet
- Optional remote alarm system
- Optional remote control

OPERATING TABLES & STERILIZING EQUIPMENT



**MOTHER MILK
FREEZERS
-20°C**



**MOTHER MILK
REFRIGERATOR AND FREEZERS
-20°C +4°C**



**MOTHER MILK
REFRIGERATORS
+4°C**



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