



DENTAL LINE

- I. Dental Instruments Washer Disinfector
- II. Ultrasonic Cleaner
- III. Prismatic Steam Sterilizer
- IV. Automatic Cutting & Sealing Device



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About us

Sümer A.Ş. was established in 1981 in Ankara to provide services in the medical device sector. It has aimed advancement since the day of its establishment by also taking growth and compliance with the contemporary technologies and protecting the environmental conditions. Our manufacturing takes place in an area of 25.000 m² in Ankara Organized Industrial Zone.

Our Firm is following the innovations in its sector and in abroad through its research and development unit and its application staff with a strong infrastructure of engineers, and is continuing to produce devices it had developed in computer environment based on such innovations with high technology and to contribute their development so as to be most beneficial for the Turkish medicine.

With this purpose, our Firm is strictly following the "Quality Management" principles and rules from design of the products to the after sale servicing.

Our Firm has been currently certificated for compliance with ISO 9001 quality management system, ISO 13485 medical device quality management system certificate and ISO 14001 environment management system certificate and with product certificates under MDD 93/42/EEC Medical Devices Directive and PED 2014/68/EU Pressurized Equipment certificate. Furthermore, our steam sterilizers, and disinfection and washing devices have been certificated by the German accredited body.

Our Firm is successfully implementing several projects supported by Tübitak, KOSGEB, and Ankara Development Agency. SÜMER A.Ş. has been awarded with the following:
Ankara Industry Chamber Award for 2012,
2011 R&D Award,
2012 Success Award.

Our Firm possesses the following certificates;
CE Certificates under the following directives:
ISO 9001,
ISO 13485,
ISO 14001 Quality Management System,
MDD 93/42/EEC Medical Devices,
PED 2014/68/EU Pressurized Equipment



Our Vision

To make the Sümer brand a global brand to make our Firm remembered first in the sector.

Our Mission

Our main task is to create designs with competition power in the global sense by taking the priorities of the sector into consideration and being respectful to the environment and people and giving the first priority to the wishes and expectations of customers, and also to produce innovative technological medical products by meeting all the national and international legal requirements.

Our Basic Values

- We are bound up with the Medical Ethical Rules,
- We are people-oriented,
- We respect environment,
- We are creative,
- We are customer-oriented,
- We are innovative,
- We are pro-active,
- We believe in the team spirit.

I. Dental Instruments Washer Disinfector

Adela offers a comprehensive range of thermal disinfectors and accessories for the automated cleaning and disinfection in dental practices. Our long experience in automated cleaning of surgical instruments in Central Sterile Supply Departments, in endoscopy centers and in private practices allows safe, efficient and cost-effective cleaning and disinfection procedures based on proven modern technologies.



AUTOMATIC SLIDING DOOR



MANUAL DOOR



DENTAL WASHER AND DISINFECTORS



UNDER-BENCH WASHER DISINFECTOR



Relevant Directives and Standards

Medical Device Directive	MDD 93/42/EEC - 2007/47/EC
Medical Device Class	Class IIb, acc. to EC MDD 93/42/EEC 2007/47/EC (Annex IX)
Low-voltage Directive	2014/35/EU EN 60601-1
Electromagnetic Compliance Directive	2014/30/EU EN 60601-1-2
Washing and Disinfection Devices	EN 15883-1 Series Standards
Quality Management System Requirements	ISO 9001
Medical Devices Regulatory	ISO 13485
Environment Management System	ISO 14001

Safety and Quality

- It protects the user against current leaks.
- It has short circuit protection.
- It is equipped with safety valve protection.
- HEPA filter is used for fresh air.
- It has password protection.
- A system preventing the opening of both doors simultaneously is used in models with double doors.
- An emergency button is provided.

Technical Data Table

MODELS	ADELA-WD 40	ADELA-WD 60	ADELA-WD 175	ADELA-WD 200	ADELA-WD 250	ADELA-WD 360	ADELA-WD 500	ADELA-WD 200	ADELA-WD 250
	Dental Type		Under- Bench	Large Automatic Sliding Door Capacity				Large Manual Door Capacity	
Chamber Volume (L)	40	60	175	200	250	360	500	200	250
Chamber Depth (mm)	450	480	590	600	600	835	835	735	735
Chamber Height (mm)	270	270	457	582	720	720	870	585	725
Chamber Width (mm)	400	400	618	618	618	618	618	625	625
Device Depth (mm)	650	680	840	825	825	1060	1060	1000	1000
Device Height (mm)	685	685	840	1860	1960	1960	2010	1870	2010
Device Width (mm)	680	680	950	855	855	855	1100	885	885
Packing Depth (mm)	950	980	1010	1025	1025	1260	1260	1200	1200
Packing Height (mm)	985	985	1150	2060	2160	2160	2190	2070	2190
Packing Width (mm)	980	980	1150	1055	1055	1055	1300	1085	1085
Single Door	+	+	+	+	+	+	+	+	+
Double Door	-	-	-	+	+	+	+	+	+
Touchscreen	4,3"	4,3"	4,3"	7"	7"	7"	7"	7"	7"
RS232	+	+	+	+	+	+	+	+	+
Water Heat Resistance (KW)	2	2	7,5	9	9	12,5	12,5	12,5	12,5
Drying Resistance (KW)	2	2	5	5,7	5,7	5,7	5,7	6	6
Drying Engine Fan Blowing Flow (m3/h)	50	50	50	150	150	150	150	150	150
Circulation Power Pump (KW)	0,4	0,4	0,4	1,4	1,4	2,4	2,2	1,4	1,4
Circulation Pump Electrical Connection Features	220V±10	220V±10	220V±10	380V±10	380V±10	380V±10	380V±10	380V±10	380V±10
Circulation Pump Flow (d/d)	180	180	325	600	600	800	950	650	650
Detergent Dosage Pump	+	+	+	+	+	+	+	+	+
Neutralizing Dosing Pump	+	+	+	+	+	+	+	+	+
Electrical Connection	1P+N 50 Hz, 230 V	1P+N 50 Hz, 230 V	1P+N 50 Hz, 230 V	3N+1 50 Hz, 380 V	3N+1 50 Hz, 380 V	3N+1 50 Hz, 380 V	3N+1 50 Hz, 380 V	3N+1 50 Hz, 380 V	3N+1 50 Hz, 380 V
Water Drain Pipe Diameter (mm)	25	25	25	25	25	25	25	25	25
Basket Layer Quantity	1	1	3	4	5	5	6	4	5
DIN Basket	-	-	6	8	10	15	18	8	10
Hepa Filter	H14, Particle Retention Ratio %99,999								

It is equipped with printer, oil dosage pump, disinfectant dosage pump and air spray optionally

II. Ultrasonic Cleaner



Features

- Stainless steel cover —
- Stainless steel basket —
- Digital Panel —
- Digital Timer: 1-99 —
- Heating: 0-100 —
- Drain —

MODELS	ADELA-2.8L	ADELA-4L-T	ADELA-4L	ADELA-6L	ADELA-12L	ADELA-18L	ADELA-28L
Tank volume and Machine Weight	2.8 liter, 3.6 kg	4 liter, 4.3 kg	4 liter, 4.4 kg	6 liter, 5 kg	12 liter, 7.5 kg	18 liter, 10 kg	28 liter, 14 kg
Ultrasound Power	80 W-1 Transducer	80 W-1 Transducer	160W-2 Transducer	160W-2 Transducer	240W-3 Transducer	320W-4 Transducer	480W-6 Transducer
Generator	1x80W-2 Amper	1x80W-2 Amper	1x80W-2 Amper	1x160W-4 Amper	1x240W-10 Amper	1x320W-10 Amper	1x480W-12 Amper
Inner Dimensions of tank (LxWxH)	240x138x100mm	240x138x150mm	240x138x150mm	240x138x200mm	300x240x200mm	330x300x200mm	500x300x200mm
Outer Dimensions (LxWxH)	265x162x342mm	265x180x315mm	265x180x315mm	270x180x330mm	325x265x365mm	350x325x410mm	530x325x405mm
Basket Dimension (LxWxH)	210x115x45mm	210x115x45mm	210x115x45mm	210x115x45mm	240x190x105mm	290x255x110mm	445x223x160mm
Frequency	40 KHz	40 KHz	40 KHz	40 KHz	40 KHz	40 KHz	40 KHz
Heating Power	250 W	500 W	500 W	500 W	750 W	750 W	1000 W
Power	220V/ 50-60 Hz	220/ 50-60 Hz	220 V/ 50-60	220 V/ 50-60 Hz	220 V/ 50-60 Hz	220 V/50-60 Hz	220V/ 50-60 Hz

III. Prismatic Steam Sterilizer

Adela series steam sterilizers are designed and manufactured regarding the manufacturing and product standards.

General Characteristics

Control System	PLC CPU
Operation Mod	Fully Automatic / Button Command
Screen Type	Multi-Color TFT, LCD Touch Screen
Screen Size	7,0" (10,0" optional)
Keypad	Touch Screen
Printer	40 Character /Line , Thermal Printer
Remote Control and Communication	RS 232 Port / USB , Ethernet (optional)
Warning Sytem	Visual & Audio & Printed
Data Storage	Up to 200 Cycles
Monitoring	Touch Screen, Anaolgue Gauges for Chamber, Jacket, Generator and Air Pressure (Manometer)
Mobility	4 Easy positioning on 4 swivel castors and firm fixing on legs
Steam Generator	with pneumatic valves



Standard Programs

Medical & Surgical Instruments	134°C	~ 60 dk
Textile Materials	134°C	~ 60 dk
Rubber Articles	121°C	~ 80 dk
Liquids in Glass Container	121°C	~ 60 dk
Liquids in Glass Container	125°C	~ 60 dk
Flash	134°C	~ 20 dk
Prion	134°C	~ 90 dk
Bowie & Dick Test	134°C	~ 45 dk
Vacuum Leak Test	-	~ 25 dk
Customizable Program Capacity	-	99



DEVICE CONSTRUCTION	
Body	AISI 304 Stainless Steel
Chamber	6mm, AISI 316 L Stainless Steel
Chamber	6mm, AISI 316 L Stainless Steel
Jacket	3mm, AISI 316L Stainless Steel
Door	10mm, AISI 304 Stainless Steel
Panel Cover	1-1,5 mm AISI 304 Stainless Steel
Pipes	Brass, AISI 304 Stainless Steel
Chamber Polishing	Sandblasting, Electropolishing (Optional)

DEVICE DIMENSION													
MODELS	SINGLE DOOR						DOUBLE DOOR						
	100 L	150 L	250 L	325 L	425 L	580 L	150 L	250 L	325 L	425 L	580 L	718 L	900 L
Height (mm)	1655	1655	1765	1765	1935	1935	1655	1765	1765	1935	1935	1935	1935
Width (mm)	885	885	995	995	1165	1165	885	995	995	1165	1165	1165	1165
Depth (mm)	1125	1325	1325	1625	1325	1625	1325	1325	1625	1325	1625	1925	2325
STU Capacity	1	1,5	1,5	2	6	8	1,5	1,5	2	6	8	10	12

IV. 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 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.

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.



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

ADELA C300



ADELA C200



ADELA C100



Certificates and Brand Registry Documents

We believe that the way to the summit passes through high-quality and reliable manufacturing.





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