CATALOGUE | 2019

DERMATOME Skin Graft Mesher

BES Battery + Electro Surgical Motor Systems









" Meeting point for surgery..."

Aygün has the right to modify and develop the products declared in this catalogue and its production program.

The weight and dimensional information given in our catalog are approximate values.

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OUR HISTORY

AYGÜN, one of the leading establishments of Turkey in the field of Medical Industry, was founded in 1988. It manufactures Container Systems for sterilization, Surgical Motor Systems, Medical Illumination Systems and Single Use Medical Systems in its facility at Samsun Central Organized Industrial Zone.

AYGÜN meets the needs of significant part of Turkey as a result of its continuous R&D works and the capacity increasing. It manufactures its products in international standards and put them to the world market with a high competitive power. Moreover with its integrated quality management system, it proves that it is a specialized establishment.

Besides being a manufacturer, AYGÜN is also a designer company and with its continuous product development works it increases number of its patents, on the other hand, is contributing career development of rising generation by acting as a school.







STERILIZATION CONTAINER SYSTEMS

All AYGÜN sterilization container systems are designed for perfect steam penetration, traceability, safety and stability. The locking mechanisms secure excellent grip and ensure up and down movement of the lids under steam pressure during the sterilization. We service our bottoms and lids made of 2 mm high quality special alloy aluminum raw material to the whole world with 8 basic color options.



SURGICAL MOTOR SYSTEMS

The expertise of AYGUN in surgical motor systems gathered up many designs and systems that have special structures servicing from neuro and spinal surgery to many fields like cardiovascular, orthopedic, plastic, hand & foot and maxillofacial surgery. The quality, power and ergonomic design of the new generation of high-tech battery powered surgical motor systems once again demonstrates AYGÜN's expertise in the medical field.

SURGICAL MOTOR SYSTEM **MODELS**

KARINCA 206 KARINCA 208 DERMATOME BES **DERMATOME ST-5** SKIN GRAFT MESHER PRAXIS 3 PRAXIS 3B Sternal Saw 3B HSM Micro System HSM 2 Neuro & Spine System Mini Bone 40.000 rpm Mini Bone Monoblock Arthroscopy Shaver Mini Surgical Motor Mini Compact Neuro Air Power Standard Macro EPS Motor System Macro Compact Mobil Stator



SURGICAL ILLUMINATION SYSTEMS

AYGÜN is furthering a number of R&D projects simultaneously thanks to its advanced R&D infrastructure, team of engineers and technical personnel specialized in their field. Thus, the company holds tens of patents and models actively used in the medical sector.

ILLUMINATION SYSTEMS FEATURES

I-LIGHT LD Specifications Superior Optical performance Light beams configuration to provide shadowlesszillumination Almost perfect color rendition (Typ. 95) TFT touch screen for lighting control Adjustable beam sizes to user preferences Suitable for use with Laminar Flow functional ceilings Easy to clean Minimum Energy Consumption 60.000 hours LED life Indirect Endo light for endoscopic operations

CONTAINER **MODELS**

STANDARD MODEL BIO-BARRIER MODEL PPSU MODEL WINDOW MODEL B3 MODEL PLASMA MODEL A1 MODEL SAFE MODEL

DISPOSABLE STERILIZATION PRODUCTS

AYGÜN continues expanding its product range by adding other single use medical products to the completely silicone medical drainage systems needed by surgery. With its ISO 7 clean room and by carrying its expertise on sterilization and operation solutions one step further, AYGÜN offers professional service to its valued customers in disposable medical items as well.

DISPOSABLE PRODUCTS **MODELS**

Reusable Laryngeal Mask Silicone Penrose Drain Tube Spiral In Tubes Silicone Nutrition Tube Silicone Round Drain Silicone Flat-Soft Drain Silicone Flat Drain Intubation Tube PVC Laryngeal Mask Silicone Penrose Drain Silicone Thorax Drain Tracheostomy tube Intubation Tube Vac Silicone Drain Oxygen Mask





GROWING UP TOGETHER

AYGÜN has an actively growing position in the sector through using a high technology and innovative institutional structure.





OUR VISION

The vision of AYGÜN is to grow in health sector according to the developing technology and sectoral innovations and serve humanity by producing new project and products appropriate to these innovations.

QUALITY MANAGEMENT SYSTEM

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2015
- 6 93/42/EEC
- OHSAS 18001:2007
- FDA 510 (K)

ISO 9001:2015 CERTIFIED











OUR MISSION

AYGÜN builds projects that can contribute to human health all over the world and integrates these projects to its production area and products in the light of technological developments. It constantly stays active with its innovative and explorer soul and remains taking part among the leader companies ruling the sector.



AYGUN®

PRODUCTION

Sense of high-grade quality in each process from raw material supply to the shipment is combined with integrated quality management system according to the standards. A big stuff gathered under the same roof and adopted importance of teamwork carry all stages above the dreams and makes what is desired real.

TECHNICAL INFRASTRUCTURE

CNC Machines Hydraulic and Eccentric Presses Hot Presses Conventional CNC Machines Mold Design and Molding Technology 3D Modelling Technology Thermoforming Cutting Machines

Electronic Design and Manufacturing Engineering Software Technology Fine Mechanic Techniques Hardening Laser Technology Silicone Extrusion Technology Clean Room – ISO 7 Chemical Coating and Anodizing Technology





COMBINATION OF PRECIOUS HIGH TECHNOLOGY PRODUCTION MACHINES AND PERFECT CRAFTSMANSHIP

New product development desire and need began in minds becomes sharable and interpretable with 3D printers and technical drawings. After setting the models and testing the prototypes, the production process starts for the approved designs. The production starts with combination of high technology production machines and perfect craftsmanship.

RESEARCH, DEVOLOPMENT, QUALITY

AYGÜN increases its power with its endless R&D works. It makes all needed investments so as to research and develop even the smallest part of the complicated products manufactured and carries out successful projects with its professional engineer team. It both develops the existing products with today's technology and performs serious works on new product designs.

DERMATOME Skin Graft Mesher

BES Battery + Electro Surgical Motor Systems





• M10-100 Dermatome handpiece can be operated both with battery and power cord.



• M14-1200 Dermatome handpiece and M14-1100 mini dermatome handpiece can be operated with electric power console and pneumatic system.















14-15



MINI DERMATOME POWER CONSOLE USE



16-17

DERMATOME ELECTRO USE



DERMATOME PNEUMATIC USE

18-19

DERMATOME BATTERY & ELECTRO USE

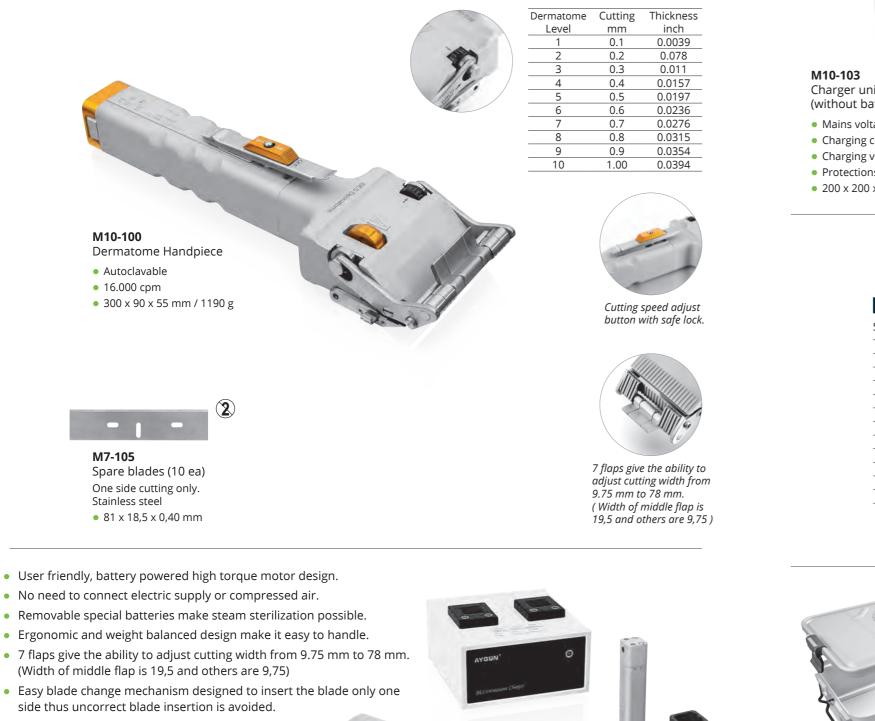
MINI DERMATOME PNEUMATIC USE



20-21

DERMATOME POWER CONSOLE USE

DERMATOME **BATTERY** (SYSTEM-1)



- Cutting speed can be adjusted by only one finger.
- Safe lock mechanism prevents from unwanted operation of the motor.





Charger unit for 2 battery (without battery)

- Mains voltage 100-240 Volts, 50-60 Hz, 0.9 A
- Charging current 1.5 A
- Charging voltage 9.6 Volts
- Protections: Short circuit / Overload / Over voltage
- 200 x 200 x 120 mm / 2500 g

M10-101	Dermatome Battery Set
Set Content	
M10-100	Dermatome Handpiece
M10-102	Rechargeable Battery
M10-103	Charger Unit
M10-104	Battery Loading Case
M7-105	Spare Blades x10 ea.
M10-530	PPSU Attachment Stand
K3-731	Basket
K6-252	Standard Model Container
K2-740	Paper Filter x100 pcs
K2-660	Security Seal x100 pcs
K2-672	Paper Labels x100 pcs
K2-673	Paper Labels x100 pcs





Basket made from stainless steel sheet (with lid) 411 x 259 x 114 mm

475 x 285 x 155 mm

Standard Model Container

Box (non perforated) Lid perforated





M10-102 Rechargeable Ni-MH battery

- Not autoclavable
- Battery capacity: 1.3 Ah
- Voltage: 9.6 Volts
- 136 x 32 x 32 mm / 270 g



M10-104 Autoclavable sterile funnel for aseptic battery loading • 55 x 55 x 55 mm / 60 g



DERMATOME **ELECTRO** (SYSTEM-2)



K3-731 Basket made from stainless steel sheet (with lid) 411 x 259 x 114 mm

475 x 285 x 155 mm

Standard Model Container

Box (non perforated) Lid perforated

K6-252

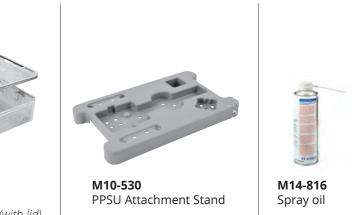




M10-113 Power cord for direct corded use

- Autoclavable
- Steam sterilisable at 2 bar 134°C
- 4 m. cable length
- 480 g





DERMATOME BATTERY & ELECTRO (SYSTEM-3)

- - -



475 x 285 x 155 mm

Standard Model Container

Box (non perforated) Lid perforated

K3-731

K6-252

18



M10-102 Rechargeable Ni-MH battery

 Not autoclavable • Battery capacity: 1.3 Ah • Voltage: 9.6 Volts • 136 x 32 x 32 mm / 270 g

M10-104

Autoclavable sterile funnel for aseptic battery loading • 55 x 55 x 55 mm / 60 g



M10-113 Power cord for direct corded use

- Autoclavable
- Steam sterilisable at 2 bar 134°C
- 4 m. cable length
- 480 g





DERMATOME **ELECTRO** (SYSTEM-4)

Dermatome	Cutting	Thickness
Level	mm	inch
1	0.1	0.0039
2	0.2	0.078
3	0.3	0.011
4	0.4	0.0157
5	0.5	0.0197
6	0.6	0.0236
7	0.7	0.0276
8	0.8	0.0315
9	0.9	0.0354
10	1.00	0.0394

7 flaps give the ability to adjust cutting width from

19,5 and others are 9,75)

9.75 mm to 78 mm. (Width of middle flap is



M14-700 Power Console

• Operating Speed: 40.000 rpm (Adjustable Maximum Speed)

- Operating Voltage: 200-240 V
- Power: 260 W
- Irrigation Flow Rate: 100 ml/min (Adjustable Maximum Flow Rate)
- Frequency: 50-60 Hz
- 345 x 280 x 110 mm / 4400 g



M6-054 • 4 m. cable length

M14-1201	Dermatome Electro Set
Set Content	
M14-1200	Dermatome Handpiece
M14-700	Power Console
M6-054	Foot Pedal
M14-800	Electric Motor
M14-310	Motor Cable
M7-105	Spare Blades x10 ea.
M14-1233	Basket With Silicone Fixations
K6-246	Standard Model Container
K2-740	Paper Filter x100 pcs
K2-660	Security Seal x100 pcs
K2-672	Paper Labels x100 pcs
K2-673	Paper Labels x100 pcs



M14-1200

Autoclavable

Dermatome Handpiece

• 205 x 95 x 42 mm / 980 g

(With M14-800 max: 20.000 rpm)

M7-105 Spare blades (10 ea) One side cutting only. Stainless steel • 81 x 18,5 x 0,40 mm





Standard Model Container Box (non perforated) Lid perforated 475 x 285 x 130 mm



M14-800

- Swiss Made Powerful Brushless
- DC Motor Technology
- Autoclavable
- Operating Speed: 40.000 rpm (Adjustable Maximum Speed)
- Power: 150 W
- 133 x 23 mm / 160 g

Foot pedal, with irrigation and F/R butons • 200 x 155 x 150 mm / 1560 g



M14-310 Motor Cable Autoclavable • 4 m. cable length





M14-1233 Basket with silicone fixations 411 x 259 x 84 mm



M14-816 Spray oil

MINI DERMATOME ELECTRO (SYSTEM-5)





M14-1105 Spare blades (10 ea) One side cutting only. Stainless steel • 43 x 9 x 0,40 mm



Dermatome	Cutting	Thickness
Level	mm	inch
1	0.17	0.006
2	0.34	0.013
3	0.51	0.020
4	0.68	0.026
5	0.85	0.033
6	1.02	0.040



M14-700 Power Console

- Operating Speed: 40.000 rpm (Adjustable Maximum Speed)
- Operating Voltage: 200-240 V
- Power: 260 W
- Irrigation Flow Rate: 100 ml/min (Adjustable Maximum Flow Rate)
- Frequency: 50-60 Hz
- 345 x 280 x 110 mm / 4400 g



M6-054 • 4 m. cable length



5 flaps give the ability to adjust cutting width from 7 mm to 40 mm. (Width of middle flap is 12 and others are 7)

M14-1101 Mini Dermatome Electro Set Set Content M14-1100 Mini Dermatome Handpiece M14-700 Power Console M6-054 Foot Pedal M14-800 Electric Motor M14-310 Motor Cable M14-1105 Spare Blades x10 ea. Basket With Silicone Fixations M14-1234 K6-246 Standard Model Container Paper Filter x100 pcs K2-740 Security Seal x100 pcs K2-660 K2-672 Paper Labels x100 pcs K2-673 Paper Labels x100 pcs



K6-246 Standard Model Container Box (non perforated) Lid perforated

475 x 285 x 130 mm



M14-800

- Swiss Made Powerful Brushless DC Motor Technology
- Autoclavable
- Operating Speed: 40.000 rpm (Adjustable Maximum Speed)
- Power: 150 W

Foot pedal, with irrigation and F/R butons • 200 x 155 x 150 mm / 1560 g



M14-310 Motor Cable Autoclavable • 4 m. cable length





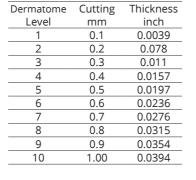
M14-1234 Basket with silicone fixations 411 x 259 x 84 mm



M14-816 Spray oil

DERMATOME **PNEUMATIC** STANDARD (SYSTEM-6)







7 flaps give the ability to adjust cutting width from 9.75 mm to 78 mm. (Width of middle flap is 19,5 and others are 9,75)



M7-230 Air Pressure Reducer • 200 x 250 x 77 mm / 2150 g



M9-167 > 3 m **M9-168** > 5 m Combining hoses for air supply

Autoclavable



M12-800

Pneumatic Motor Max. Working Pressure= 6 bar (90 psi)

Autoclavable

• 185 x 25 mm / 360 g

M12-1201	Dermatome Pneumatic Set
Set Content	
M14-1200	Dermatome Handpiece
M7-230	Air Pressure Reducer
M8-114	Foot Control Pedal
M9-167	Combining hoses for air supply
M12-800	Pneumatic Motor
M7-105	Spare Blades x10 ea.
M14-1231	Basket With Silicone Fixations
K6-246	Standard Model Container
K2-740	Paper Filter x100 pcs
K2-660	Security Seal x100 pcs
K2-672	Paper Labels x100 pcs
K2-673	Paper Labels x100 pcs



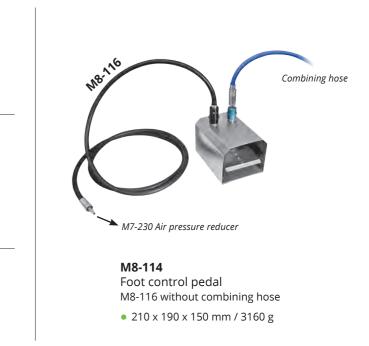


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M7-105

Spare blades (10 ea) One side cutting only. Stainless steel • 81 x 18,5 x 0,40 mm







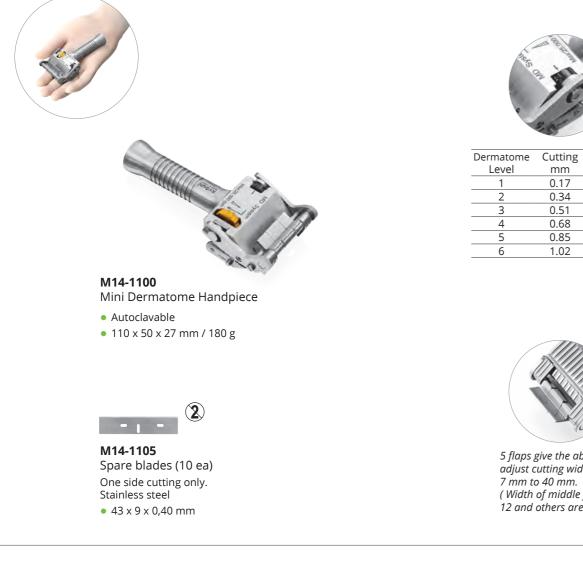


M14-1231 Basket with silicone fixations 411 x 259 x 84 mm



M14-816 Spray oil

MINI DERMATOME PNEUMATIC STANDARD (SYSTEM-7)





M7-230 Air Pressure Reducer • 200 x 250 x 77 mm / 2150 g



M9-167 > 3 m **M9-168** > 5 m Combining hoses for air supply Autoclavable

M12-800

Pneumatic Motor Max. Working Pressure= 6 bar (90 psi)

- Autoclavable
- 185 x 25 mm / 360 g

/		In
		/////
	X	
		100
	-	10

Thickness

inch

0.006

0.013

0.020

0.026

0.033

0.040

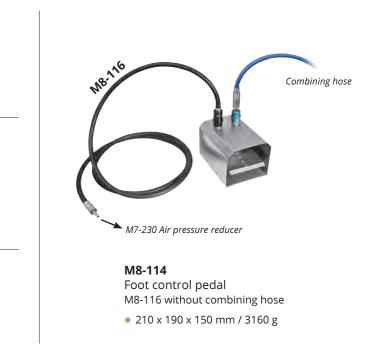
5 flaps give the ability to adjust cutting width from 7 mm to 40 mm. (Width of middle flap is 12 and others are 7)

M12-1101 Mini Dermatome Pneumatic Set Set Content M14-1100 Mini Dermatome Handpiece M7-230 Air Pressure Reducer M8-114 Foot Control Pedal M9-167 Combining hoses for air supply M12-800 Pneumatic Motor M14-1105 Spare Blades x10 ea. M14-1232 Basket With Silicone Fixations K6-246 Standard Model Container K2-740 Paper Filter x100 pcs K2-660 Security Seal x100 pcs Paper Labels x100 pcs K2-672 K2-673 Paper Labels x100 pcs



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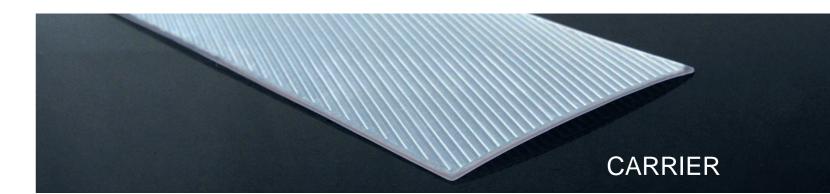
M14-1232 Basket with silicone fixations 411 x 259 x 84 mm



M14-816 Spray oil

SKIN GRAFT MESHER







Ratchet Handle for Easy Operation

Guides for Graft Carrier



Graft Thickness Adjustment (0-1,5 mm)





- Single cutter cuts skin graft into geometrical shaped mesh & enlarges skin surface.
- Graft expansion predetermined by graft carrying plates, eliminating need to change the cutter during operation.
- Continuous feed design prevents graft carrying plate from being loaded incorrectly and allows multiple plates to be used without interruption.
- Graft thickness adjustment feature allows expansion on thin and thick grafts.
- Easy availability of replacement parts.



 M11-600
 Skin graft carrier > 1,5:1 (Box of 20)

 M11-605
 Skin graft carrier > 3:1 (Box of 20)

CONTAINER SET FOR STERILIZATION



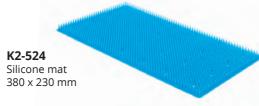


K6-307 Container, non perforated 475 x 272 x 138 mm

405 x 253 x 80 mm

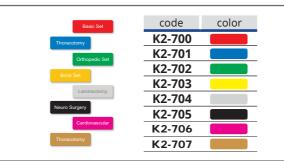


K2-1502 Wire basket 405 x 250 x 70 mm





K2-674 Class 6 Emulating Indicator Card 1 Pack (250 pcs)



K2-673 STR DATE 201 Labels (paper) 100 pcs. With indicator. For small size and special containers

STR BATE NAME ----



K1-900 Modular Auto Lock Mechanism (2 Pcs)



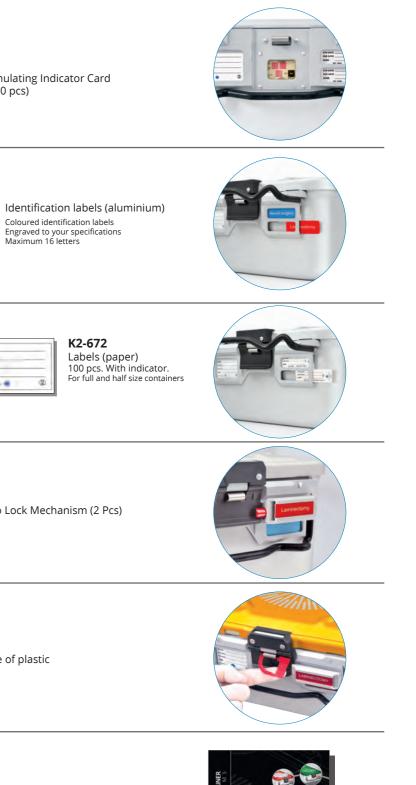
K2-660 red Security seal 100 pcs made of plastic

K2-740 Single use paper filter 100 pcs with indicator. Aygün mark.



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For more information and alternative please see our Sterilization Container System catalog. From our website www.aygun.com

DERMATOME For Skin Transplantation ______

New website, tens of high quality catalogues and thousands of products,





Standard Model Bio-Barrier Model





B3-PTFE - Valve - Bio-stop



Mini Bone







Mini Bone Monoblock

AYGUN

Plasma Model



Window Model

A1 Model



Dental, Mini Model

AYGUN USER MANUELS



HSM-2

Praxis 3B

HSM Neuro System

HSM Micro System



AYGUN



Praxis 3

Compact 2



Electro Pneumatic





Macro Compact 2

Mini Compact

Surgical Motor





Neuro System



32

Catalogues





Karinca 206



Karinca 208





Dermatome ST5



Dermatome



Standard Macro

AYOUN · Sheer

Standard Micro





Mini Surgical Motor



NAP Neuro Air Power



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