

# **Power System**



Battery + Electro Surgical Motor

SIXAN BRAXIS www.aygun.com



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2017

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AYGÜN, one of the leading establishments of Turkey in the field of Medical Industry, was founded in 1988.

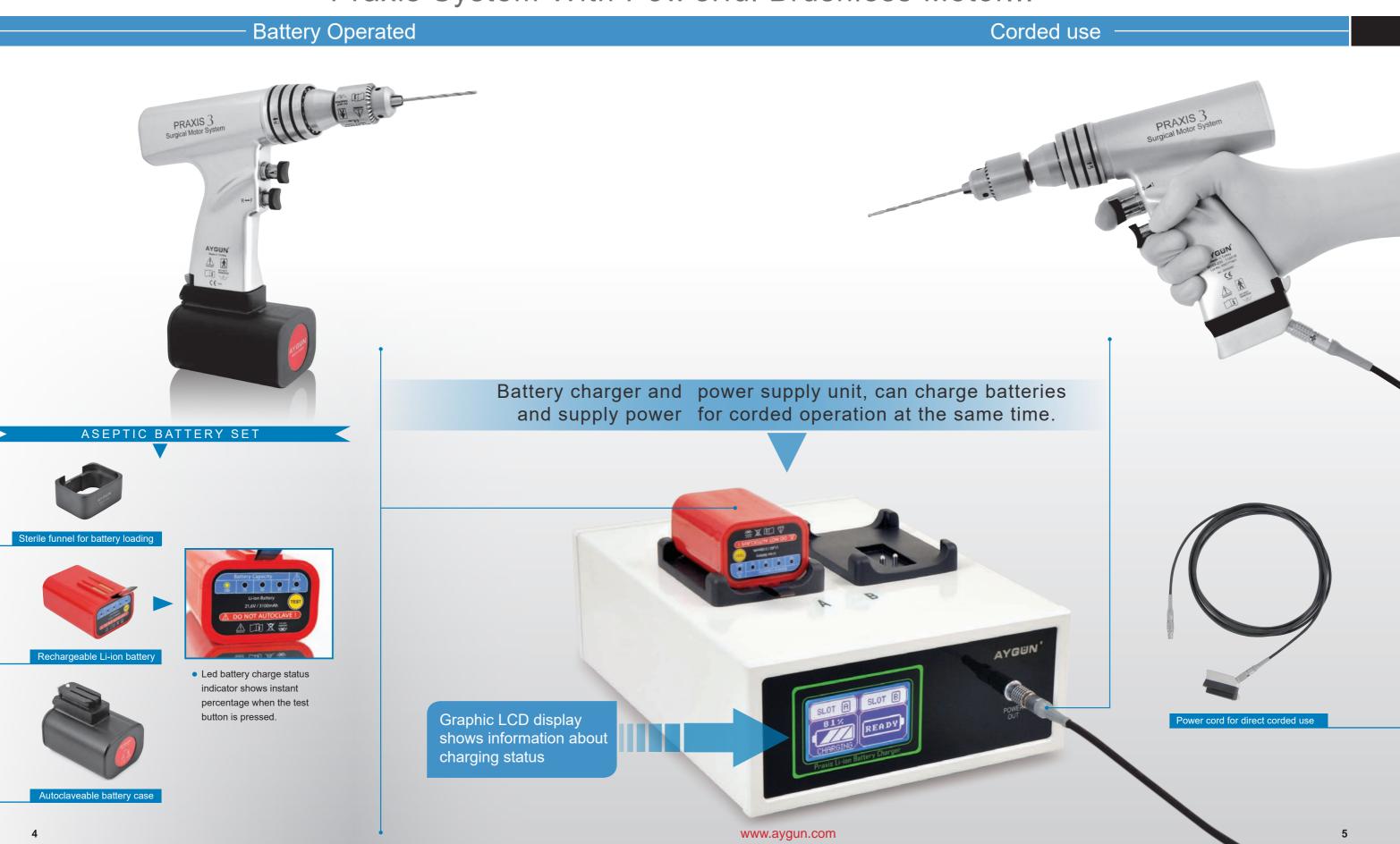
specialized establishment.

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.



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

# Praxis System With Powerful Brushless Motor...





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# Battery Charging Units with Power Supply



#### M103-210 Rechargeable Li-ion battery

- Battery capacity: 3.1 Ah
- Voltage: 21.6 Volts
- Led battery charge status indicatorGenerates a "beep tone" when starts
- working
- Not autoclaveable
- 84 x 63 x 47 mm / 355 g



**Battery Operated** 

M103-211 Autoclaveable battery case

- Steam sterilisable at 2 bar 134° C
  102 x 82 x 72 mm / 235 g
- 102 X 02 X 72 IIIII / 235 g



M103-212 Autoclaveable sterile funnel for aseptic battery loading

- Steam sterilisable at 2 bar 134° C
- 78 x 59 x 35 mm / 60 g



• Easy coupling power cord maintains continuous operation.







### M103-226

Charger unit for 1 battery

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 137 x 128 x 110 mm / 700 g

#### M103-227

Charger unit for 2 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 237 x 230 x 126 mm / 3.2 kg

### M103-229

### Charger unit for 4 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 320 x 310 x 150 mm / 4.5 kg









# Power Supply For Direct Corded Use



- Steam sterilisable at 2 bar 134° C
- 4 m / 310 g

#### M103-228

Power supply unit for direct corded use

- Main voltage 100-240 Volts, 50-60 Hz
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Cable not included
- 235 x 230 x 116 mm / 3.5 kg

#### M103-224

Power supply and Charger unit for 2 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery and Cable not included
- 320 x 230 x 140 mm / 4.9 kg

#### M103-225

Power supply and Charger unit for 4 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery and Cable not included
- 320 x 310 x 150 mm / 5.6 kg

## **Drill Attachment**



 Easy coupling system allows changing / repositioning attachments quickly



M103-308

Ø4 mm Cannulated Ø 1.0 mm - 4.0 mm 900 rpm / 7 Nm 30 x 88 mm / 260 g



Ø4 mm Cannulated Ø 1.0 mm - 6.35 mm 900 rpm / 7 Nm 30 x 104 mm / 310 g

M103-309



 Dual trigger system simplifies forward / reverse operation





• 4 mm cannulated handpiece supports K-wire operations



Length

### M103-310

Both keyed and keyless operation Ø4 mm Cannulated Ø 1.0 mm - 7.4 mm 900 rpm / 7 Nm

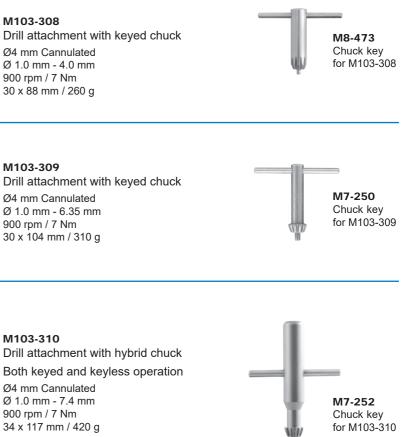
#### Drill bits

Code	
M7-500	
M7-501	
M7-502	
M7-503	
M7-504	
M7-505	
M7-506	
M7-507	
M7-508	
M7-509	
M7-510	



- Swiss made powerful cannulated brushless DC motor technology
- Dual trigger system for speed control and direction control
- Steam sterilisable at 2 bar 134° C
- Cannulated Ø 4 mm
- 43 x 141 x 154 mm / 940 g





Length mm
60
100
100
100
100
100
100
110
130
160
160

			Shank Dr	ill Bit Attachm	ents			
				PRAX Surprise Mar Har C(-	153 97 Byrann		DHS	
		SQUAR			M103-360 Attachment for SQU 900 rpm / 7 Nm	ARE shank		
		AO		-	30 x 91 mm / 200 g M103-361 Attachment for AO s	hank		
					900 rpm / 7 Nm 30 x 83 mm / 190 g		HUDSON	
		TRINKE ©			M103-362 Attachment for TRIN 900 rpm / 7 Nm 30 x 81 mm / 200 g	IKE shank		
					Shank	drill bits	HARRIS	
				SQUARE	AO	TRINKE		
	Length	L Length mm	Ø Diameter mm				ZIMMER-HUDSON	
	gth	38	1.5	M7-520	M7-540	M7-560		
		45	2.0	M7-521	M7-541	M7-561		
		53	2.5	M7-522	M7-542	M7-562		
Ļ		57	2.7	M7-523	M7-543	M7-563	ZIMMER	
		57	3.0	M7-524	M7-544	M7-564		
		57	3.2	M7-525	M7-545	M7-565		
		65	3.5	M7-526	M7-546	M7-566		
11 - L								

M7-567

M7-568

M7-569

M7-570

70

70

95

120

4.0

4.5

5.0

6.0

M7-527

M7-528

M7-529

M7-530

M7-547

M7-548

M7-549

M7-550





M103-375 Attachment for OSTEO shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 89 mm / 225 g



M103-376 Attachment for DHS shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 97 mm / 220 g



M103-377 Attachment for AO-PROTEK shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 85 mm / 260 g



M103-378 Attachment for HUDSON shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 85 mm / 230 g



M103-379 Attachment for HARRIS shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 227 g

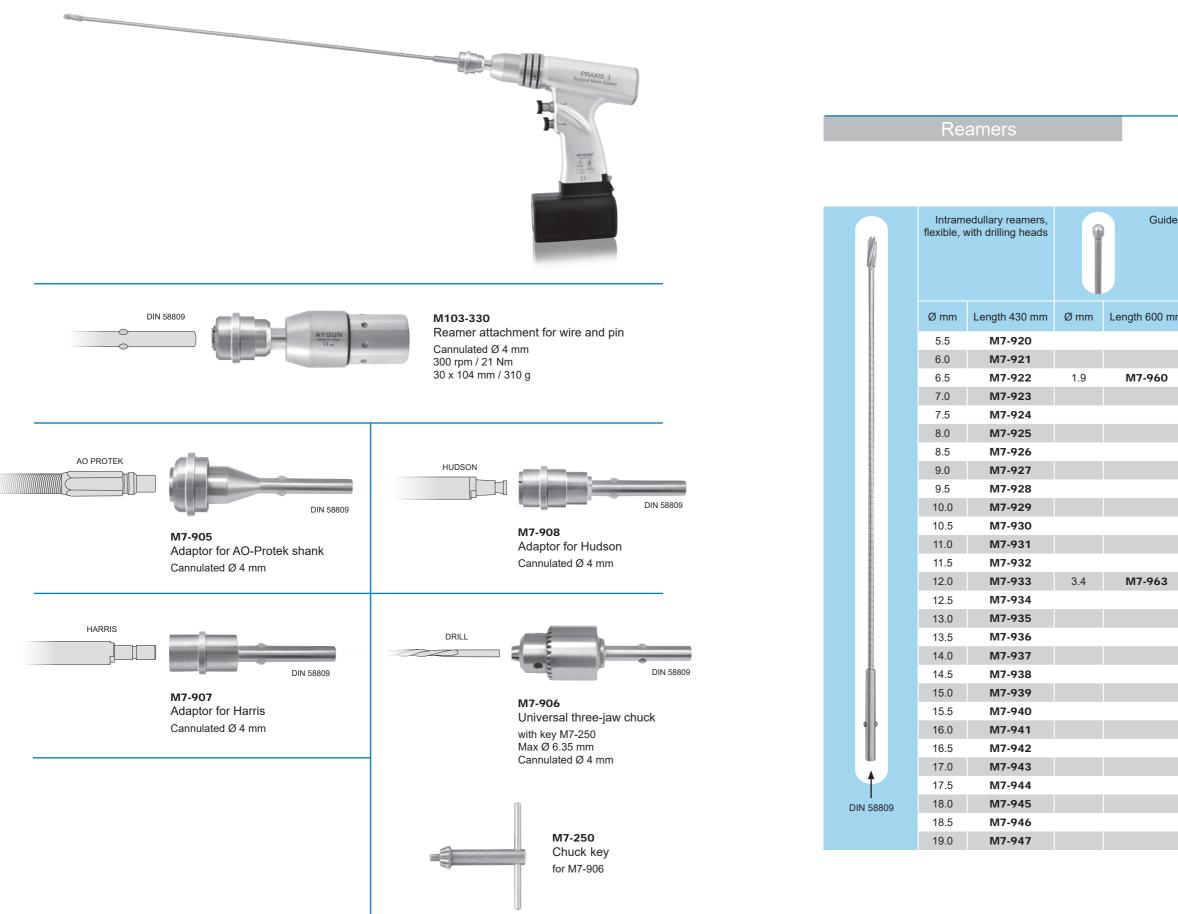


M103-380 Attachment for ZIMMER-HUDSON shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 235 g



M103-381 Attachment for ZIMMER shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 235 g -

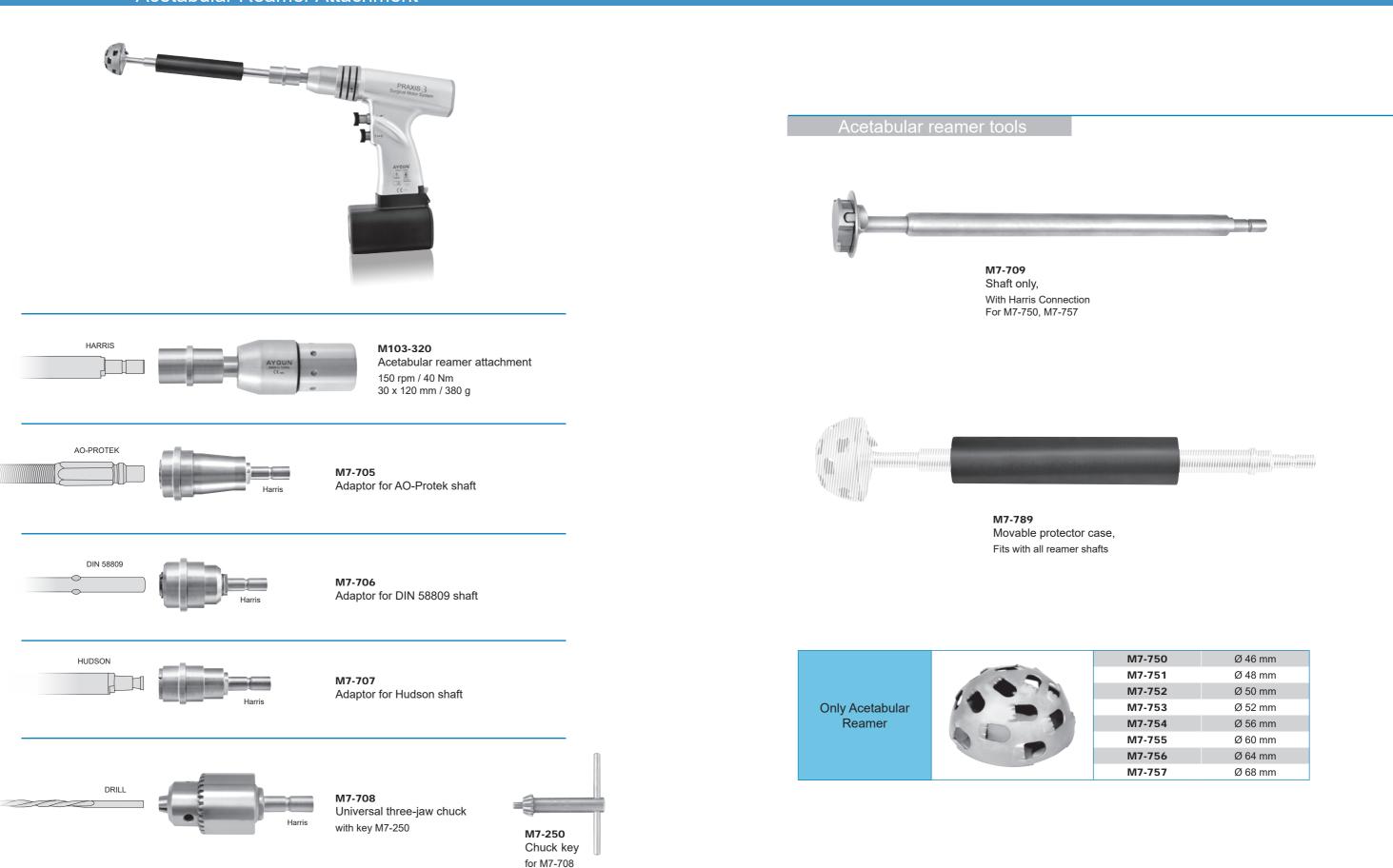
## **Reamer Attachment**





des, I	blunt		Guides, w	ith drill tip
mm	Length 990 mm	Ømm	Length 600 mm	Length 990 mm
)	M7-961	1.9	M7-962	
	M7-964	3.4		M7-965

## Acetabular Reamer Attachment





	M7-750	Ø 46 mm
	M7-751	Ø 48 mm
	M7-752	Ø 50 mm
	M7-753	Ø 52 mm
	M7-754	Ø 56 mm
	M7-755	Ø 60 mm
	M7-756	Ø 64 mm
	M7-757	Ø 68 mm

## Quick - Action Chuck (For K-wire operations)





#### M103-352

Quick - action chuck Cannulated Ø 0.7 mm - 2.5 mm 900 rpm / 7 Nm 30 X 87 mm / 350 g

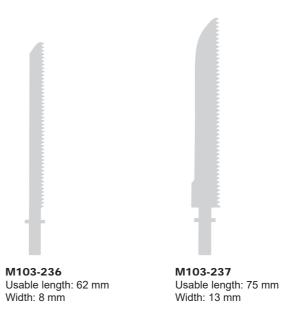
M103-353 Quick - action chuck Cannulated Ø 1.5 mm - 4.0 mm 900 rpm / 7 Nm 30 X 87 mm / 350 g



M103-235B Reciprocating saw system (Without saw blades, battery and battery case)

16.000 cpm / ←> 4 mm 41 x 210 x 150 mm / 1080 g

### Reciprocating saw blades

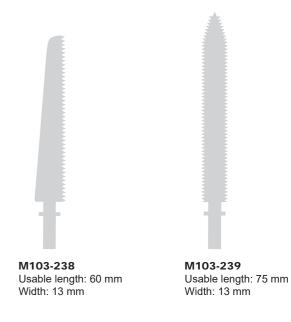




## Reciprocating Saw System







# Sagittal Saw System

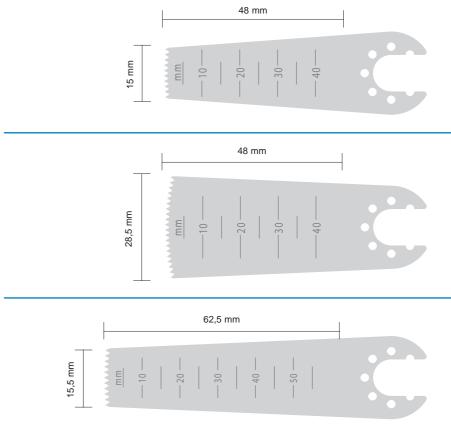


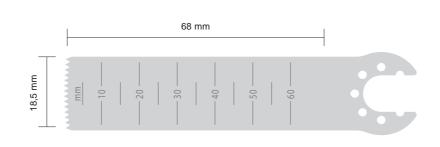
M103-300B Sagittal saw system (Without saw blades, battery and battery case)

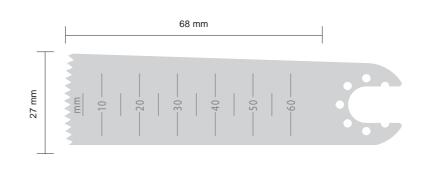
16.000 cpm / 🖂 4° 50' 41 x 180 x 160 mm / 1140 g

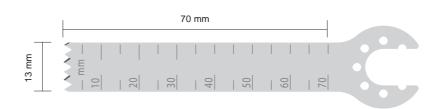




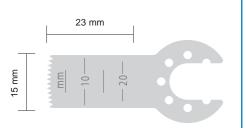




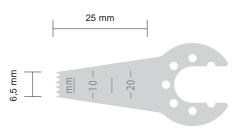




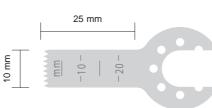
### Sagittal saw blades



M103-1110 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



M103-1111 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



M103-1112 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



M103-1113 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm

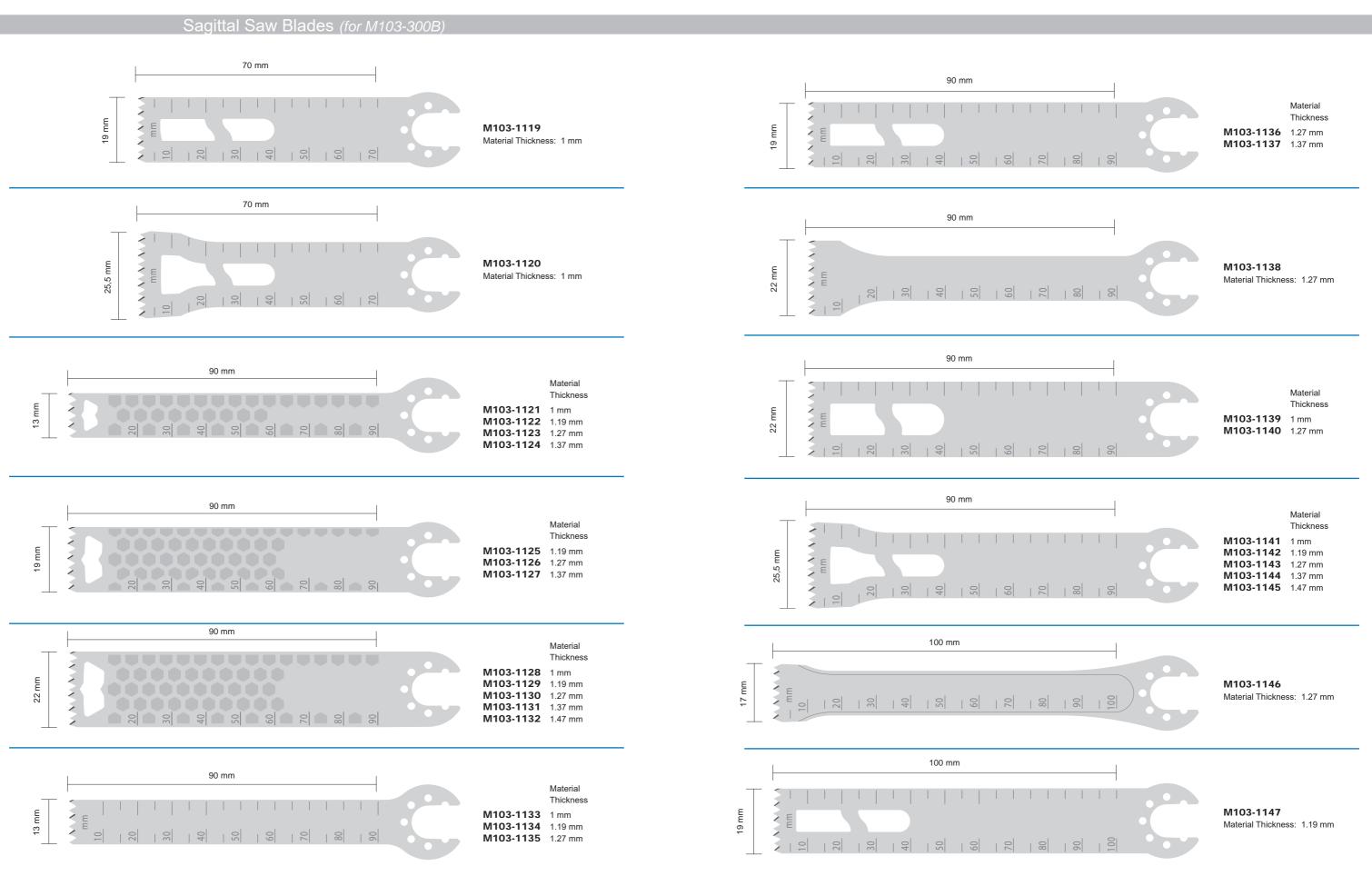
M103-1114 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm

M103-1115 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm

M103-1116 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm

M103-1117 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm

M103-1118 Material Thickness: 1.19 mm





# Sternum Saw System





M103-240B Sternum saw system (Without saw blade, guide, battery and battery case)

16.000 cpm / ←> 4 mm 41 x 210 x 154 mm / 1280 g



01

Electrically Operated



M103-300B Sagittal saw system (Without saw blades, battery and battery case)

16.000 cpm / 🖂 4° 50' 41 x 180 x 160 mm / 1140 g



M103-715 Adult saw guide

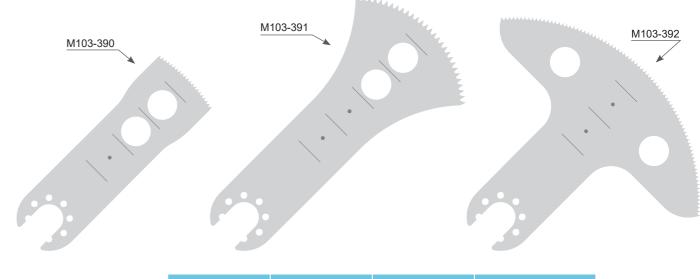
Adult saw blade	Code	Length	Usable Length	Blade Thickness	Cutting Thickness
	M103-709	58 mm	35 mm	0,6 mm	1 mm
	M103-710	58 mm	35 mm	0,8 mm	1,2 mm



M103-716 Pediatric saw guide

Usable Blade Cutting Pediatric saw blade Code Length Length Thickness Thickness M103-711 40 mm 18 mm 0.6 mm 0.6 mm M103-712 40 mm 18 mm 0.6 mm 0,8 mm

### Blades for M103-300B



Code	Length
M103-390	35 mm
IVI 103-390	35 11111
M103-391	50 mm
M103-392	35 mm

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# **Oscillating Saw System**





Width	Thickness
25 mm	0.8 mm
40 mm	0.8 mm
75 mm	0.8 mm

# Orthopedic Set, Basic



M103-1001	Battery Orthopedic Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
K3-1723	Basket with silicone fixations 540 x 253 x 113 mm

### M103-1002 Battery + Electro Orthopedic Set

Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
K3-1723	Basket with silicone fixations 540 x 253 x 113 mm

# Orthopedic Set, Large



M103-1003	Battery Orthopedic Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery (3 pcs)
M103-211	Autoclaveable battery case (3 pcs)
M103-212	Autoclaveable sterile funnel for aseptic battery loading (3 pcs)
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
M103-235B	Reciprocating saw system
M103-239	Reciprocating Saw blade
M103-352	Quick - action chuck
K3-1723-S1	Basket with silicone fixations for handpiece 540 x 253 x 113 mm
K3-1723-S2	Basket with silicone fixations for battery case 540 x 253 x 113 mm



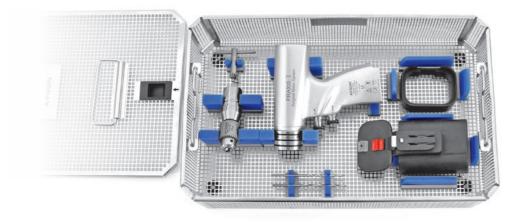


### M103-1004 Battery + Electro Orthopedic Set

#### Content

M103-200	Handpiece
M103-210	Rechargeable Li-ion battery (3 pcs)
M103-211	Autoclaveable battery case (3 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading (3 pcs)
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
M103-235B	Reciprocating saw system
M103-239	Reciprocating Saw blade
M103-352	Quick - action chuck
K3-1723-S1	Basket with silicone fixations for handpiece
	540 x 253 x 113 mm
K3-1723-S2	Basket with silicone fixations for battery case 540 x 253 x 113 mm

## **Drill Set**



	6	3B Spatian	
U.		PRAXIS	No.
			<b>F</b>

M103-1007	Battery Sagittal Saw Set
ontent	
/103-300B	Sagittal saw system
/103-210	Rechargeable Li-ion battery
/103-211	Autoclaveable battery case
/103-212	Autoclaveable sterile funnel for
	aseptic battery loading
/103-226	Charger unit for 1 battery
/103-1117	Sagittal saw blade
И103-1146	Sagittal saw blade
(3-1731-S1	Basket with silicone fixations
	405 x 253 x 113 mm

M103-1005	Battery Drill Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
K3-1731	Basket with silicone fixations 405 x 253 x 113 mm

Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
K3-1731	Basket with silicone fixations
	405 x 253 x 113 mm

M103-1006 Battery + Electro Drill Set



M103-1013	Battery Reciprocating Saw Set
Content	
M103-235B	Reciprocating saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-239	Reciprocating Saw blade
K3-1731-S3	Basket with silicone fixations 405 x 253 x 113 mm



# Sagittal Saw Set



#### M103-1008 Battery + Electro Sagittal Saw Set

#### Content M103-300B Sagittal saw system M103-210 Rechargeable Li-ion battery M103-211 Autoclaveable battery case M103-212 Autoclaveable sterile funnel for aseptic battery loading M103-223 Autoclaveable power cord for direct corded use M103-224 Power supply and Charger unit for 2 batteries M103-1117 Sagittal saw blade M103-1146 Sagittal saw blade K3-1731-S1 Basket with silicone fixations 405 x 253 x 113 mm

## **Reciprocating Saw Set**

#### M103-1014 Battery + Electro Reciprocating Saw Set

Reciprocating saw system
Rechargeable Li-ion battery
Autoclaveable battery case
Autoclaveable sterile funnel for
aseptic battery loading
Autoclaveable power cord for direct corded use
Power supply and Charger unit for 2 batteries
Reciprocating Saw blade
Basket with silicone fixations 405 x 253 x 113 mm

# Sternal Saw Set

# Cardio Vascular Set





M103-1009	Battery Sternal Saw Set
-----------	-------------------------

Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-715	Adult saw guide
M103-710	Adult saw blade
K3-1731-S2	Basket with silicone fixations 405 x 253 x 113 mm

## M103-1010 Battery + Electro Sternal Saw Set

M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-715	Adult saw guide
M103-710	Adult saw blade
K3-1731-S2	Basket with silicone fixations 405 x 253 x 113 mm

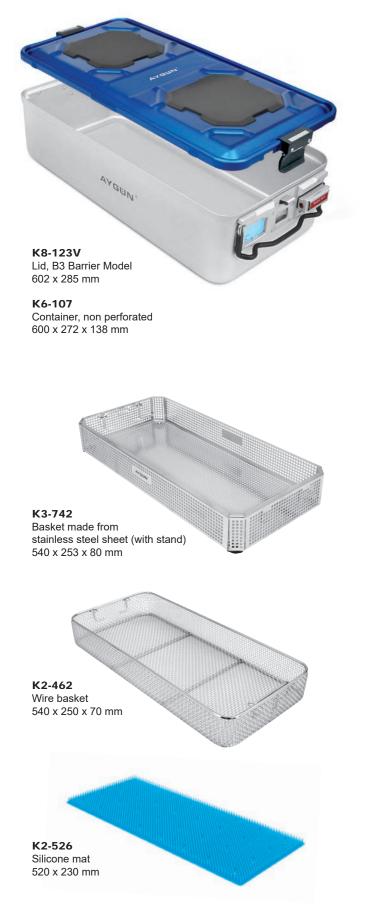
M103-1011	Battery Cardio Vascular Set
Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery (2 pcs)
M103-211	Autoclaveable battery case (2 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-226	Charger unit for 1 battery
M103-300B	Sagittal saw system
M103-715	Adult saw guide
M103-710	Adult saw blade
M103-392	Oscillating saw blade
K3-1723-S3	Basket with silicone fixations
	540 x 253 x 113 mm



### M103-1012 Battery + Electro Cardio Vascular Set

Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery (2 pcs)
M103-211	Autoclaveable battery case (2 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-300B	Sagittal saw system
M103-715	Adult saw guide
M103-710	Adult saw blade
M103-392	Oscillating saw blade
K3-1723-S3	Basket with silicone fixations 540 x 253 x 113 mm

## **Container Set For Sterilization**

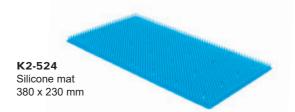


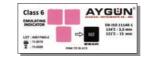


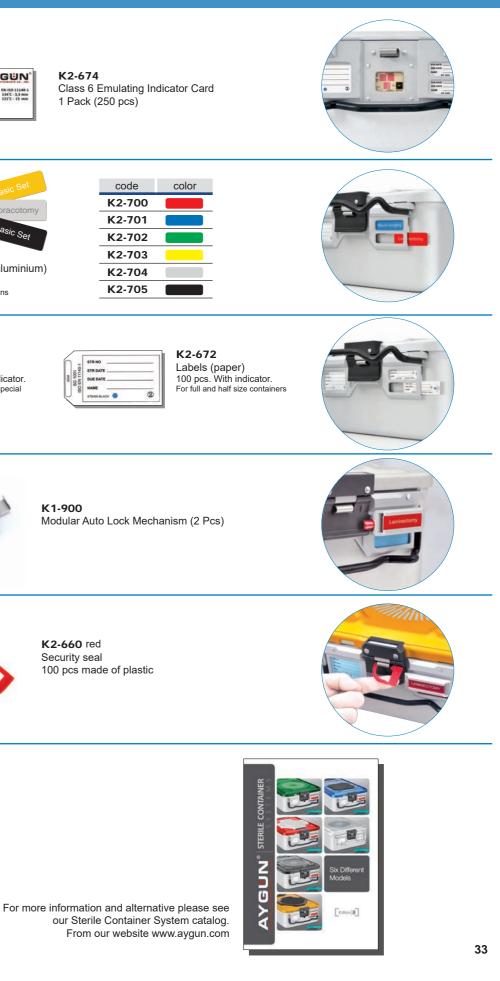
K6-307 Container, non perforated 475 x 272 x 138 mm



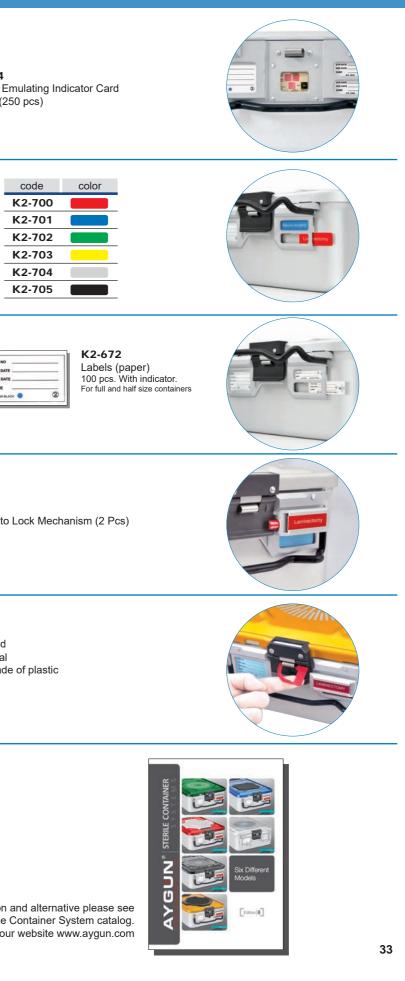












Identification labels (aluminium) Coloured identification labels Engraved to your specifications Maximum 16 letters

STR DA		K2- Labe
NAME	SG 1000 ISO EN 11140-1	100 For si

-673 els (paper) pcs. With indicator. mall size and special containers

-	e 31	STR NO	_
	- 5	STR DATE	
autor a	100	DUE DATE	
88	NAME		
L	2	STEAMBACK	(



K1-900



Security seal 100 pcs made of plastic

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AYOUN

Dental, Mini Model









Baskets



Bio-Barrier Model





Dermatome



Compact 2



HSM Neuro System

Macro Compact 2





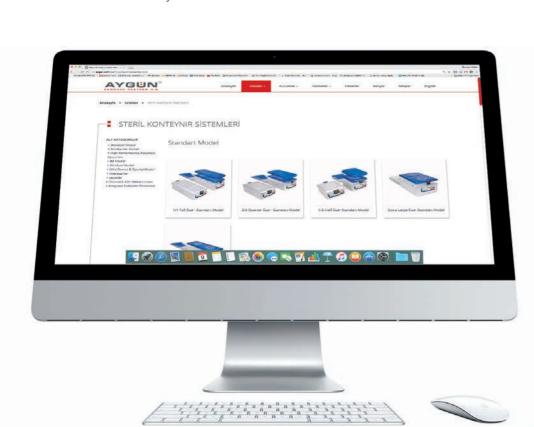
Praxis 3B



NAP Neuro Air Power



Skin Graft Mesher







- High Performance Polymers PPSU Lids
- PTFE Valve Biostop

**Catalogues...** New website, tens of high quality catalogues and thousands of products,







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