

Power System



STANDARD MACRO

Electro (Transmission Cable) / Pneumatic Surgical Motor

www.aygun.com



Organize Sanayi Bölgesi 55330
Kutlukent - SAMSUN / TÜRKİYE
Tel : 90 (362) 266 66 80 pbx
Fax : 90 (362) 266 93 30 pbx
E-Mail : aygun@aygun.com
Web : <http://www.aygun.com>

Edition 6

■ According to the production programme
Aygün's rights is reserved in production to improve,
modify or delete the products declared in this catalog.

KA - 4009-Y1 Copyright © Aygün Co., Inc
2012 All Right Reserved, Printed in Türkiye



AYGÜN, one of the leading establishment of Turkey in the medical industrial field, starting from neurosurgical field since 1988, at the end of its constantly R&D researches, has accomplished the production of instruments for all surgical branches. Along with meeting a large part of Turkey's requirements, it proves itself as an expert in the field with the products offered to the world market.

With present catalogues that include standard products and the special products formed on the request of the doctors including approximately 22.000 different types of instruments produced by AYGÜN. Besides being a manufacturer, it is also a designer firm.

Besides increasing its capacity, AYGÜN, in its new production plants constructed in the Organized Industrial Area of Samsun, aims to present the different models of products to the medical community.

ISO 13485:2003
CERTIFIED



ISO 9001:2008
CERTIFIED

www.aygun.com

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



PRAXIS Battery + Electro
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



HSM High Speed Motor

90.000 rpm

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



DERMATOME For Skin
Transplantation

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System

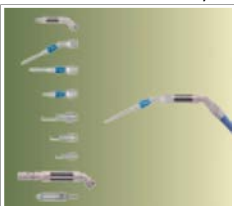


COMPACT Sternal Saw

Battery + Electro Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

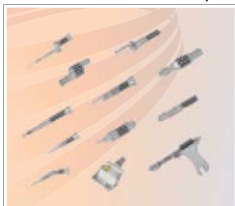
Power System



NAP Neuro Air Power
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System

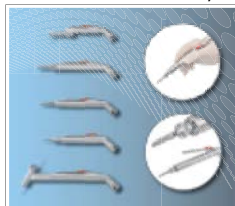


Electro
Transmission Cable
Pneumatic

STANDARD MICRO
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

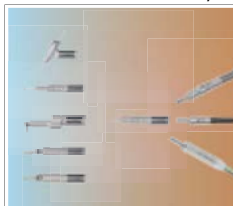
Power System



Mini COMPACT Pneumatic
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



Mini Electro / Pneumatic
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



STANDARD MACRO
Electro (Transmission) / Pneumatic Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

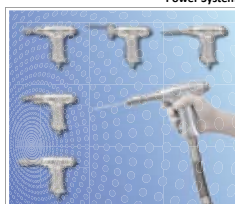
Power System



EPS Electro (Transmission)
Pneumatic Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

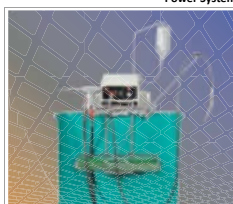
Power System



Macro COMPACT Pneumatic
Surgical Motor

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Power System



MOBIL STATOR For Surgical Motor



Bore Main Piece



Dermatome



Low Speed Angular Head



Straight Reciprocating Saws



Low Speed Angular Head



Sagittal Saw



Bore Main Piece



Oscillating Saw



Universal Drill



Sternum Reciprocating Saw



Craniotome



Sternum Reciprocating Saw



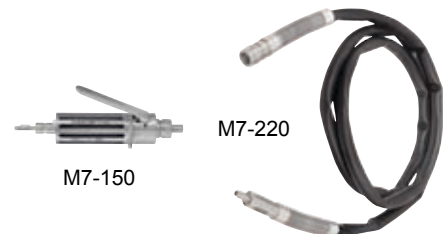
Pneumatic-Surgical Motor System



M7-230



M8-114



M7-150

M7-220



Electro-Surgical Motor System



M6-034

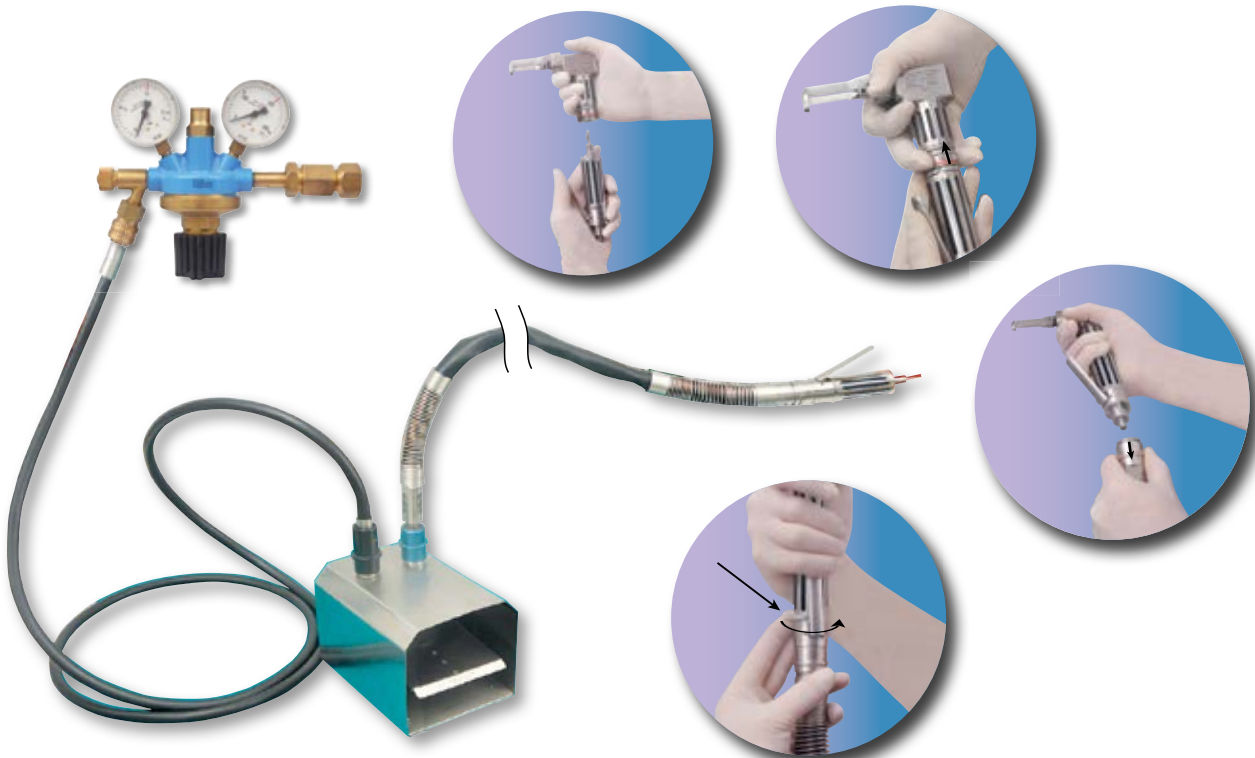


M6-054

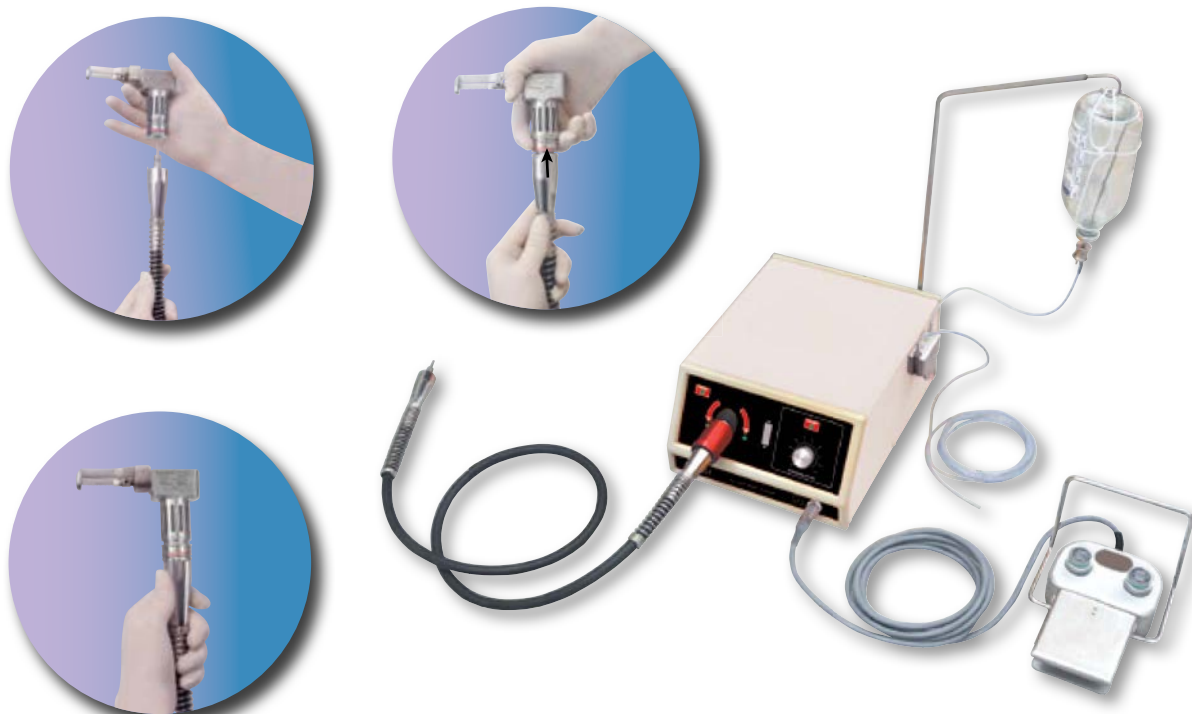


M6-060

Pneumatic-Surgical Motor System



Electro-Surgical Motor System
(Transmission Cable)



For security; the systems must be operated by using compressed dry air or nitrogen gas, the oxygen gas must never be used.



M7 - 230 B
Air pressure reducer, two way

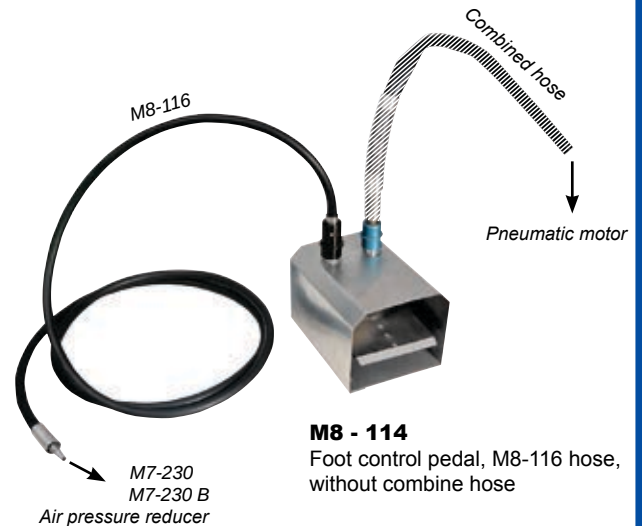


M7 - 230
Air pressure reducer, one way



M8 - 510
Spray oil, for motor and additional pcs before sterilization.

After cleaning of every use. Oil inside of all moving pcs of device by spraying method and run the device for 2-3 seconds. Practice spraying inside of the device until the black used oil comes out and new oil clearly appears out of device as clear color and then put the device in store or process sterilization.



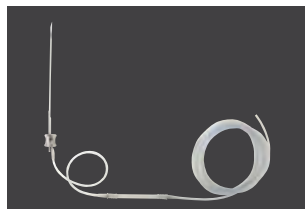
M8 - 114
Foot control pedal, M8-116 hose, without combine hose

M7 - 220 3 m
M7 - 221 5 m
Combine hoses for air supply
(for M7-230 and M7-150)
Sterilization= 3 Atm 134° C

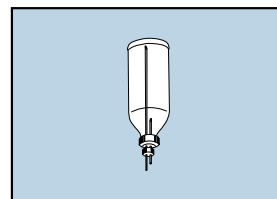


M7 - 150
Pneumatic Surgical Motor
Speed= 22.000 rpm
Working Pressure= 6 Atm
Sterilization= 3 Atm 143° C

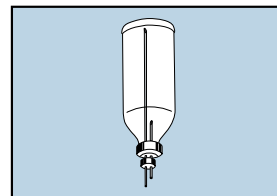




M6 - 120
Tubing Set
(M6-105, M6-107, M6-109, M6-112)



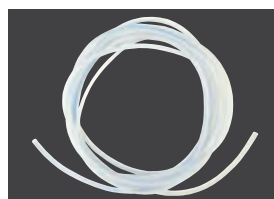
M6 - 105
Punch for 500 ml
Solution bottles



M6 - 106
Punch for 1000 ml
Solution bottles



M6 - 107
Silicone tube, 35 cm



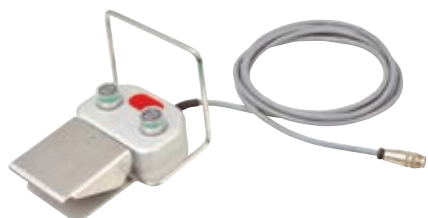
M6 - 112
Silicone tube,
240 cm



M6 - 109
Silicone tube, 10 cm



M6 - 060 160 cm
M6 - 061 210 cm
Flexible standard cable. 160 cm.
Autoclave up to max. 3 bar, 143°C



M6 - 054
Foot control pedal, For electronically controlled speed regulation. Connection to M6-034 including push button for forward and reverse gear and push button for irrigation on/off With 3 m. long cable.



M6 - 034
Electro-surgical motor with forward and reverse gear to be used with flexible cables M4-137, M4-138, M6-060, M6-061, M6-065, M6-066 sound and light signal warning start at reverse running position. Foot control M6-054 (Foot control, flexible cable and hand piece have to be ordered separately)



Sternum Reciprocating Saw

CARDIO



M7 - 334
Sternum reciprocating saw
with M4-715 / M4-710



M4 - 715
Saw guide



M4 - 710
Saw blade
usable length 35 mm



Sternum Reciprocating Saw



M7 - 335
Sternum reciprocating saw
with M7-330 / M7-331 / M7-320



M7 - 320
Key only,
for changing
saw blades



M7 - 330
Saw blade only
usable length 35 mm



M7 - 331
Saw guide

CARDIO

Oscillating Saw

CARDIO



M7 - 350
Oscillating saw
Without Saw Blade
With key M7-320 / M7-352



148 mm



M7 - 352
Pair of wrenches,
for changing saw blades



M7 - 351
Spray nozzle with clamp



M7 - 353
Arbor, 39 mm long
use with M7-350



M7 - 354
Arbor, 58 mm long
use with M7-350



3 mm

M7 - 320
Key only,
for changing
saw blades

M7 - 370

Deep cutting saw blade, narrow

Arbor M7-353
blade M7-371



M7 - 371

M7 - 372

Deep cutting saw blade, wide

Arbor M7-353
blade M7-373



M7 - 373

M7 - 374

Saw blade with wide and narrow serrated segments

Arbor M7-353
blade M7-375

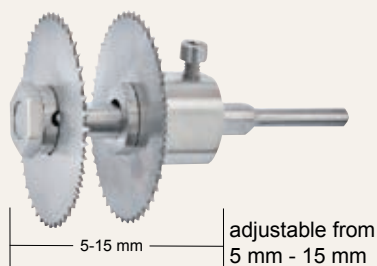


M7 - 375

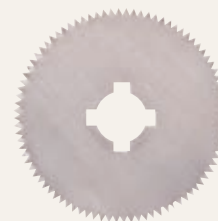
M7 - 376

Double circular saw

Arbor M7-354
blade M7-377 + M7-378



M7 - 377 Ø 45 mm



M7 - 378 Ø 45 mm

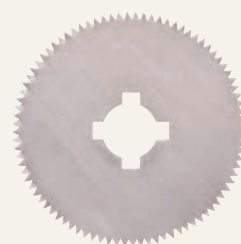
M7 - 357

Circular saw blade
65 mm diameter,
with eccentric disc
to limit depth of
cut from 4-11 mm

Arbor M7-354
Saw blade and
Limiting disc M7-364



M7 - 364 Ø 65 mm



M7 - 805 Ø 50 mm

M7 - 806 Ø 65 mm

Bore Main Piece

ORTHOPEADIC



M7 - 650

Main piece with forward and reverse gear.
Cannulated, Ø 2.5 mm
Without chuck,
Suitable for drilling
Thread cutting
Screwing and removing bone
Screws as well as for wire extension
up to max 900 rpm



M7 - 670

Spray nozzle with clamp



M7 - 680

Attachment with small three - jaw chuck, with key M8-473, Ø 4 mm, exchangeable, use with M7-650



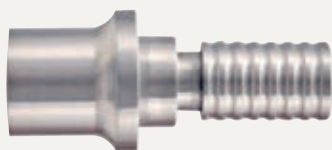
M7 - 681

Attachment with three - jaw chuck, with key M7-250, Ø 6.35 mm, exchangeable, use with M7-650



M7 - 682

Adaptor for SQUARE shank
use with M7-650



M7 - 683

Adaptor for AO shank
use with M7-650



M7 - 684

Adaptor for TRINKE shank
use with M7-650



M7 - 685

Adaptor for OSTEO shank
use with M7-650



M7 - 686

Quick-action chuck for boring wires up to Ø 2.5 mm,
use with M7-650



Low Speed Angular Head

ORTHOPEADIC



M7 - 900

Low speed angular head
Speed reducing ratio: 67.5:1
Speed up to max 300 rpm
For DIN 58809 connection



DIN 58809

M7 - 905

Adaptor for AO-Protek shank
use with M7-900



DIN 58809

M7 - 906

Universal three-jaw chuck
with key M7-250 max. Ø6.35 mm
use with M7-900

For M7-900

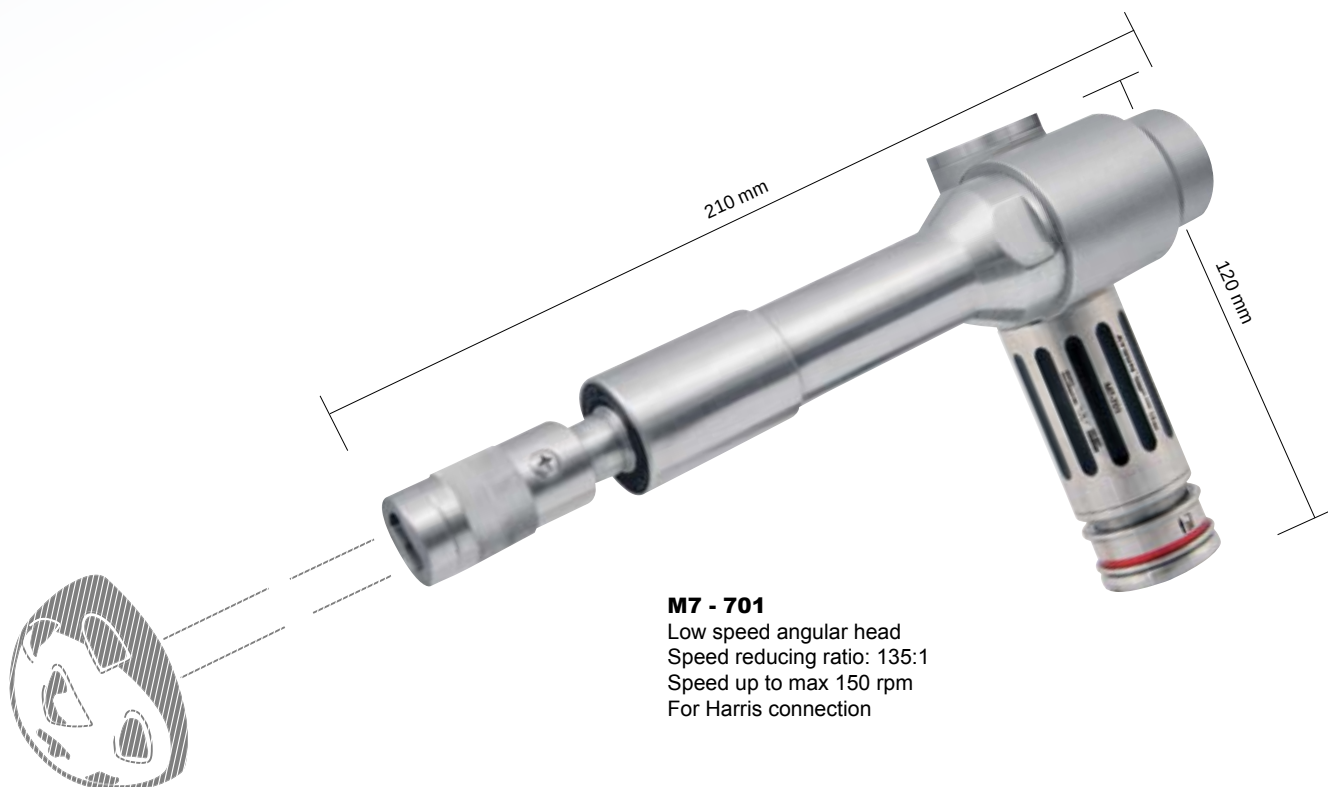
Intramedullary reamers, flexible, with drilling heads		Guides, blunt			Guides, with drill tip		
Ø mm	length 430 mm	Ø mm	length 600 mm	length 990 mm	Ø mm	length 60 mm	length 990 mm
5.5	M7 - 920	1.9	M7 - 960	M7 - 961	1.9	M7 - 962	
6.0	M7 - 921						
6.5	M7 - 922						
7.0	M7 - 923						
7.5	M7 - 924						
8.0	M7 - 925	3.4	M7 - 963	M7 - 964	3.4		M7 - 965
8.5	M7 - 926						
9.0	M7 - 927						
9.5	M7 - 928						
10.0	M7 - 929						
10.5	M7 - 930						
11.0	M7 - 931						
11.5	M7 - 932						
12.0	M7 - 933						
12.5	M7 - 934						
13.0	M7 - 935						
13.5	M7 - 936						
14.0	M7 - 937						
14.5	M7 - 938						
15.0	M7 - 939						
15.5	M7 - 940						
16.0	M7 - 941						
16.5	M7 - 942						
17.0	M7 - 943						
17.5	M7 - 944						
18.0	M7 - 945						
18.5	M7 - 946						
19.0	M7 - 947						
DIN 58809							

MEDULLARY CANAL REAMING

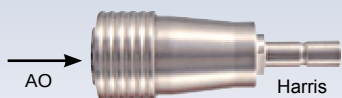


Low Speed Angular Head

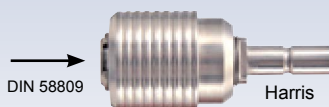
ORTHOPEADIC



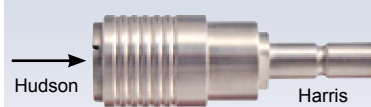
M7 - 701
Low speed angular head
Speed reducing ratio: 135:1
Speed up to max 150 rpm
For Harris connection



M7 - 705
Adaptor for AO-Protek shaft
use with M7-701



M7 - 706
Adaptor for DIN 58809 shaft
use with M7-701



M7 - 707
Adaptor for Hudson shaft
use with M7-701



M7 - 710
Shaft only,
With Harris connection
For M7-750, M7-757
use with M7-701



M7 - 791
Movable protector case,
fitting all reamer shafts
Sterilization: 3 atm, 143°C

Only Acetabular Reamer		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

Sagittal Saw

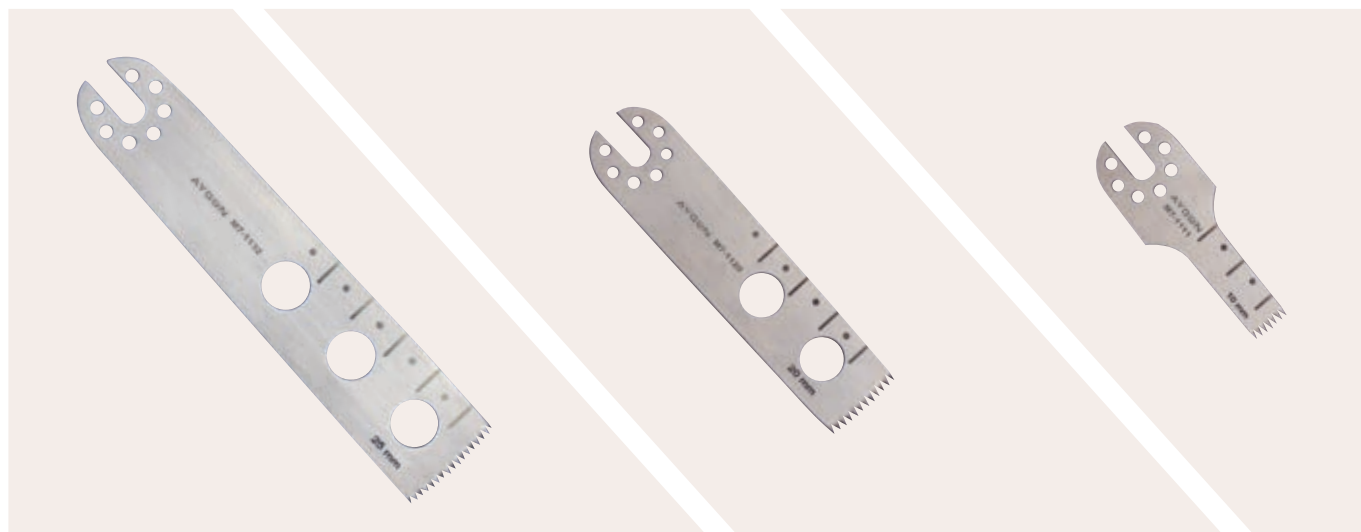


ORTHOPEADIC

M7 - 841
Sagittal saw
Main piece for osteotomy saw
with M7-1117 blade
No key needed



M7 - 381
Spray nozzle with clamp



For M7-841

Code	Working Length	Width	Total Length	Thickness
M7 - 1110	25	5	50	0.5
M7 - 1111	25	10	50	0.5
M7 - 1112	35	5	60	0.5
M7 - 1113	35	10	60	0.5
M7 - 1114	50	20	60	0.5
M7 - 1115	50	10	75	0.5
M7 - 1116	50	15	75	0.5
M7 - 1117	50	20	75	0.7
M7 - 1118	50	25	75	0.7
M7 - 1119	50	30	75	0.7
M7 - 1120	65	20	90	0.7
M7 - 1121	65	25	90	0.7
M7 - 1122	65	30	90	0.7
M7 - 1123	65	40	90	0.7
M7 - 1124	65	50	90	0.7
M7 - 1125	35	75	60	0.5
M7 - 1126	50	40	75	0.5
M7 - 1127	75	20	105	1
M7 - 1128	75	30	105	1
M7 - 1129	90	15	114	1
M7 - 1130	90	20	114	1
M7 - 1131	90	30	114	1
M7 - 1132	90	25	114	0.9
M7 - 1133	90	25	114	1
M7 - 1134	90	25	114	1.20
M7 - 1135	90	25	114	1.5
M7 - 1136	105	19	129	1.20

SAGITTAL SAW BLADES



Straight reciprocating saws

ORTHOPEADIC



M7 - 300
Straight reciprocating saw
with key M7-320 and saw blade
M7-327 which can be mounted
in 4 different positions



3 mm
⬡

M7 - 320
Key only,
for changing
saw blades



M7 - 327
Saw blade
62 mm usable length
for M7-300 and M7-310



M7 - 328
Saw blade,
60 mm usable length
for M7-300 and M7-310



M7 - 329
Saw blade,
75 mm usable length
for M7-300 and M7-310



Angular Reciprocating Saw



M7 - 310

Angular reciprocating saw
with key M7-320 and saw blade
M7-327 which can be mounted
in 4 different positions



M7 - 320

Key only,
for changing
saw blades



M7 - 327

Saw blade
62 mm usable length
for M7-300 and M7-310



M7 - 328

Saw blade,
60 mm usable length
for M7-300 and M7-310



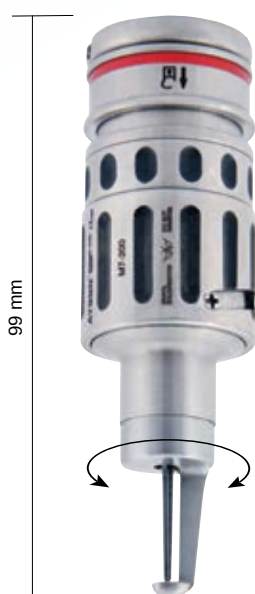
M7 - 329

Saw blade,
75 mm usable length
for M7-300 and M7-310

ORTHOPEADIC

Craniotome

NEUROSURGERY



99 mm

M7 - 200
CASPAR Craniotome
for skull opening
Sterilization: 3 atm, 143°C
No key is needed
with M7-207 and M7-201



M7 - 208
Dura guard, turnable
use with M7-200



M7 - 207
Dura guard, fixed
use with M7-200

M7 - 201
Spare Cutter
use with M7-200



M7 - 202
Wire pass drill
use with M7-200



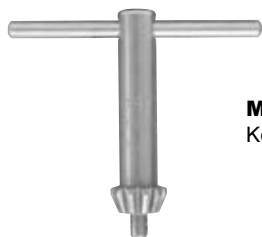
Ø 2 mm, L=20 mm

Universal Drill

NEUROSURGERY



M7 - 240
Universal chuck
with key M7-250
Use with M7-180
Max: Ø 6.35 mm



M7 - 250
Key



M7 - 180
Straight hand piece
Speed reducing ratio= 20:1
for Hudson connection



M7 - 170
Straight hand piece
Speed reducing ratio= 20:1
for chuck connection



M7 - 120 Ø 9 mm
M7 - 121 Ø 12 mm
M7 - 122 Ø 15 mm
use with M7-180, (M7-600 + M7-611)



M7 - 140 Ø 9 mm
M7 - 141 Ø 12 mm
M7 - 142 Ø 15 mm
use with M7-180, (M7-600 + M7-611)



M7 - 130 Ø 9 mm
M7 - 131 Ø 12 mm
M7 - 132 Ø 15 mm
use with M7-170, (M7-600 + M7-605)



M7 - 145 Ø 9 mm
M7 - 146 Ø 12 mm
M7 - 147 Ø 15 mm
use with M7-170, (M7-600 + M7-605)

- * Skull trepans
- * With step-down drilling
- * Automatic cut-out
- * No key needed

- * Skull trepans
- * With step-down drilling
- * Automatic cut-out
- * No key needed
- * The depth guard shows mm-graduation

Bore Main Piece

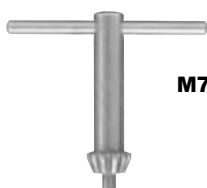
NEUROSURGERY / ORTHOPEADIC



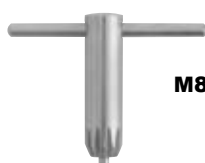
M7 - 600
Bore Main Piece
for exchangeable chucks,
Speed reducing ratio: 10;1
Speed up to max 2000 rpm



M7 - 602
Bore Main Piece with handle
for exchangeable chucks,
Speed reducing ratio: 10;1
Speed up to max 2000 rpm



M7 - 250 Key



M8 - 473 Key



M7 - 605
Universal three-jaw chuck,
with key M7-250 max. Ø 6.35 mm



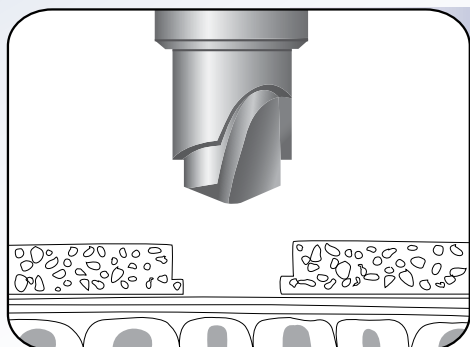
M7 - 610
Universal three-jaw chuck,
with key M8-473 max. Ø 4 mm



M7 - 611
HUDSON chuck,
for Hudson shanks



M7 - 612
Spray nozzle with clamp



TREPANS

Twist drill, with round shaft

For M7-600 and M7-602

NEUROSURGERY



M7 - 120 Ø 9 mm
M7 - 121 Ø 12 mm
M7 - 122 Ø 15 mm
use with M7-180, (M7-600 + M7-611)



M7 - 140 Ø 9 mm
M7 - 141 Ø 12 mm
M7 - 142 Ø 15 mm
use with M7-180, (M7-600 + M7-611)



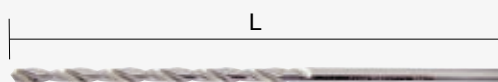
M7 - 130 Ø 9 mm
M7 - 131 Ø 12 mm
M7 - 132 Ø 15 mm
use with M7-170, (M7-600 + M7-605)

- * Skull trepans
- * With step-down drilling
- * Automatic cut-out
- * No key needed



M7 - 145 Ø 9 mm
M7 - 146 Ø 12 mm
M7 - 147 Ø 15 mm
use with M7-170, (M7-600 + M7-605)

- * Skull trepans
- * With step-down drilling
- * Automatic cut-out
- * No key needed
- * The depth guard shows mm-graduation



Twist drill, with round shaft

Code	Ø Diameter mm	L Length mm
M7 - 500	1.5	60
M7 - 501	2.0	100
M7 - 502	2.5	100
M7 - 503	2.7	100
M7 - 504	3.0	100
M7 - 505	3.2	100
M7 - 506	3.5	100
M7 - 507	4.0	110
M7 - 508	4.5	130
M7 - 509	5.0	160
M7 - 510	6.0	160



Bore Main Piece

NEUROSURGERY / ORTHOPEADIC



M7 - 980

Bore Main Piece
For BORCHARDT shanks
Speed reducing ratio: 10;1
Speed up to max 2000 rpm



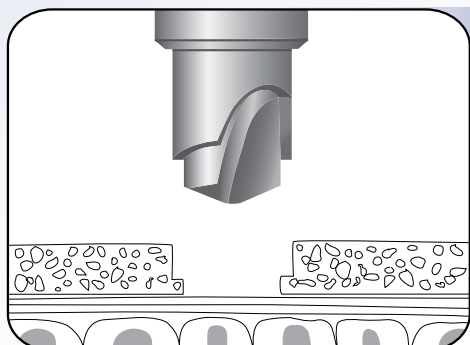
M7 - 984

Bore Main Piece with handle
For BORCHARDT shanks
Speed reducing ratio: 10;1
Speed up to max 2000 rpm



M7 - 982

Spray nozzle with clamp



*Twist drill and Trepanns with
BORCHARDT shaft*

For M7-980 and M7-984



M7 - 985 Ø 6/9 mm
M7 - 986 Ø 9/12 mm
M7 - 987 Ø 12/15 mm

- * Skull trepanns
- * With step-down drilling
- * Automatic cut-out
- * No key needed
- * Use with M7-980

NEUROSURGERY

 Twist drill, with BORCHARD shaft		
Code	Ø Diameter mm	L= mm usable Length
M7 - 988	1.5	38
M7 - 989	2.0	45
M7 - 990	2.5	53
M7 - 991	2.8	57
M7 - 992	3.0	57
M7 - 993	3.2	57
M7 - 994	3.5	65
M7 - 995	4.0	70
M7 - 996	4.5	70
M7 - 997	5.0	95
M7 - 998	6.0	120

Dermatome



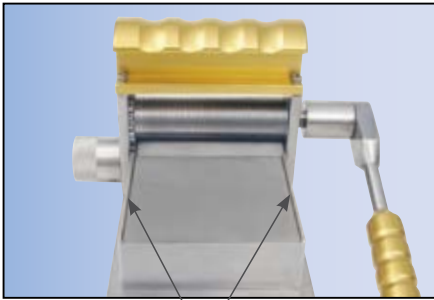
M7 - 102
Dermatome

Cutting width: Adjustable up to 79 mm by 10 flaps with approx. 8 mm width.
Thickness of graft: Adjustable from 0.2 - 1.2 mm, scale divided in 1/10 mm

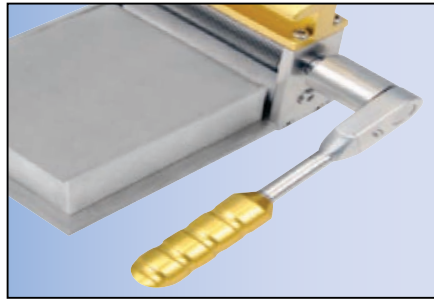


M7 - 105
Spare blades, one side cutting only, stainless steel.

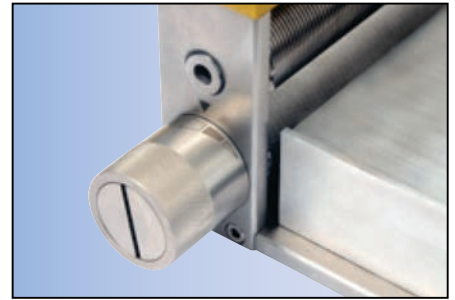
For skin transplantation



• Guides for Graft Carrier



• Ratchet Handle for Easy Operation

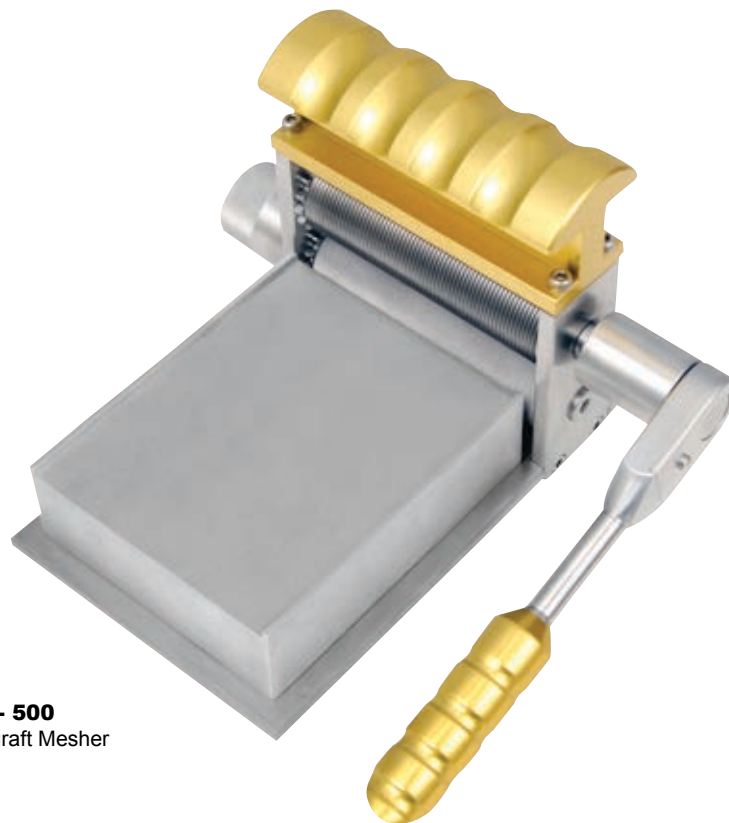


• Graft Thickness Adjustment



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

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



M11 - 500
Skin graft Mesher

SKIN GREFT MESHER

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

CONTAINER AND ACCESSORIES



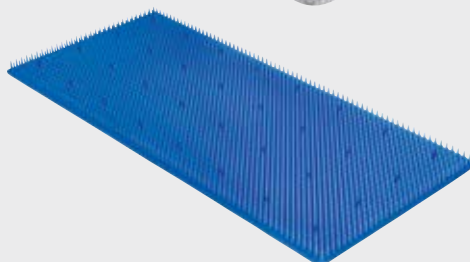
K6 - 029D
Container Window Model
580x280x200 mm Yellow



K3 - 742
Basket made from stainless steel sheet
540x253x70 mm

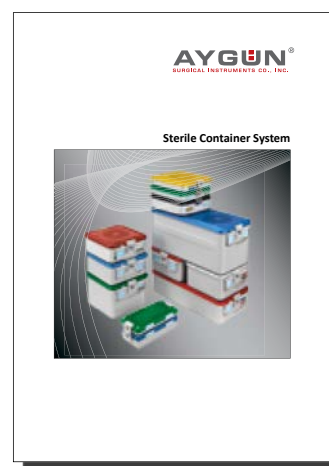


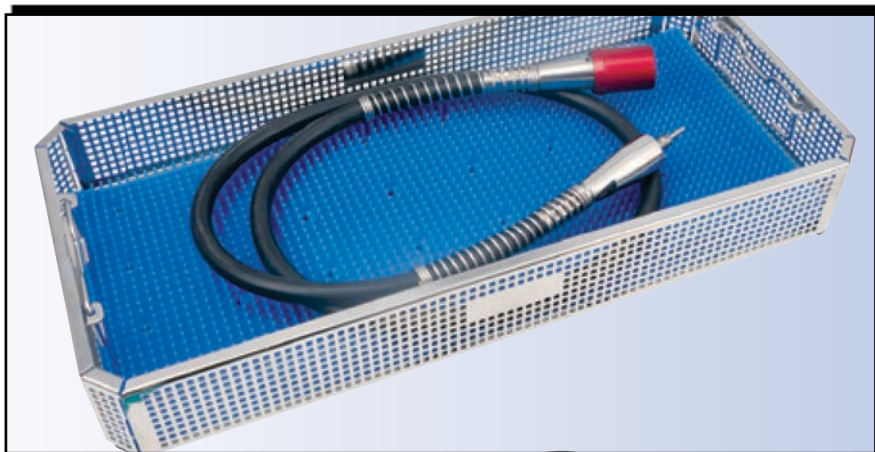
K2 - 462
Wire basket
540x250x70 mm



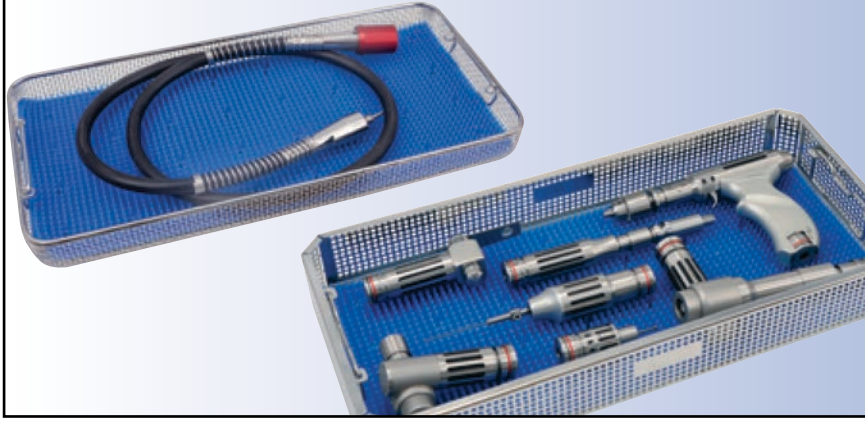
K2 - 526
Silicone mat
520x230 mm

For more information and alternative please see our Sterile Container System catalog.





Power System STANDARD MACRO



Edition 6

Meeting Point For Surgery

AYGUN®
SURGICAL INSTRUMENTS CO., INC.

Organize Sanayi Bölgesi 55330
Kutlukent - SAMSUN / TÜRKİYE
Tel : 90 (362) 266 66 80 pbx
Fax : 90 (362) 266 93 30 pbx
E-Mail : aygun@aygun.com
Web : <http://www.aygun.com>

www.aygun.com