

## Power System



**EPS** *Electro Pneumatic Surgical Motor*

[www.aygun.com](http://www.aygun.com)



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*Edition 6*

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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.

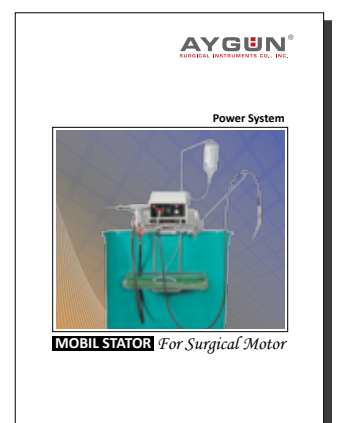
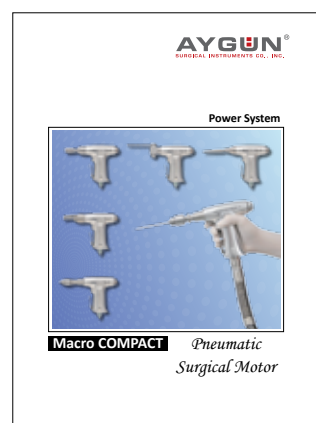
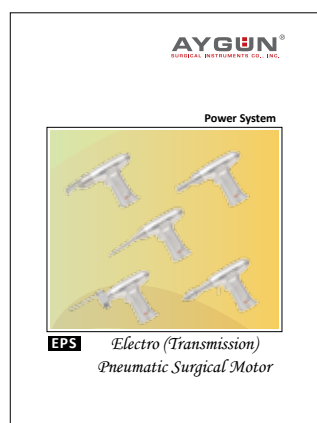
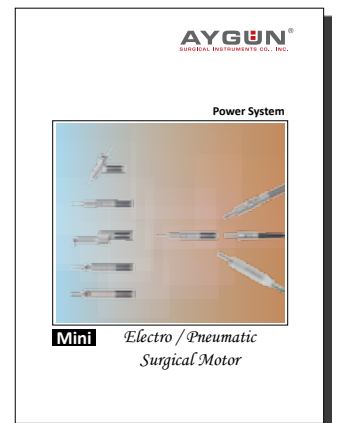
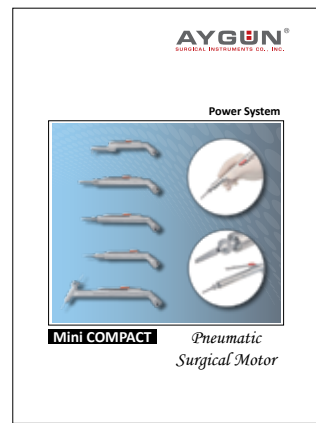
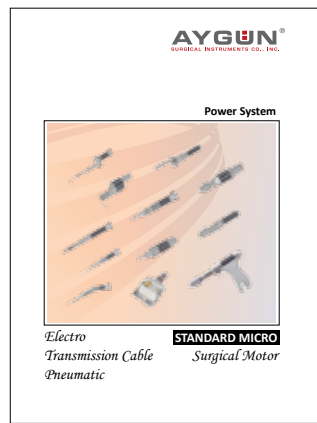
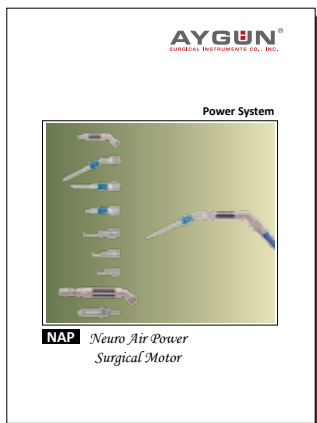
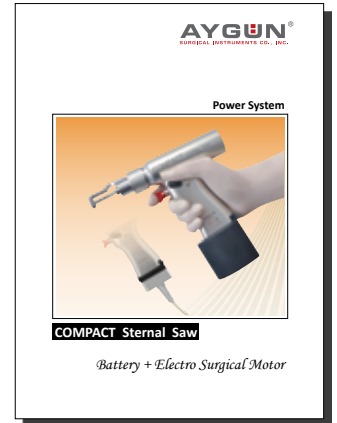
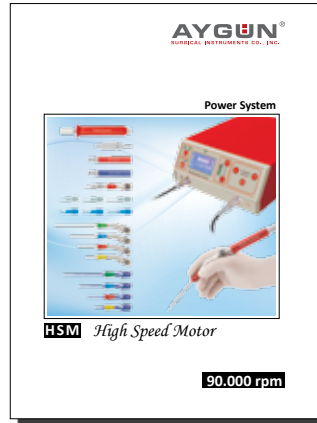
Besides increasing its capacity, AYGÜN, in its new production plants constructed in the Organized Industrial Area of Samsun, aims to present the different models of products to the medical community.

ISO 13485:2003  
CERTIFIED



ISO 9001:2008  
CERTIFIED

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*Bore Main Piece*



*Sagittal Saw*



*Reamer*



*Straight Reciprocating Saw*



*Sternum Reciprocating Saw*



**Pneumatic-Surgical Motor System**



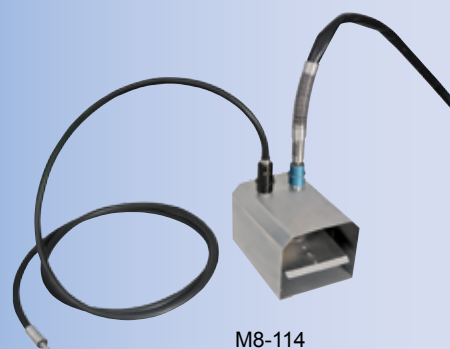
M7-220  
M7-221



M7-230



M4-125



M8-114



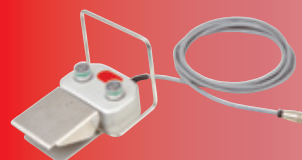
**Electro-Surgical Motor System  
(Transmission Cable)**



M6-034

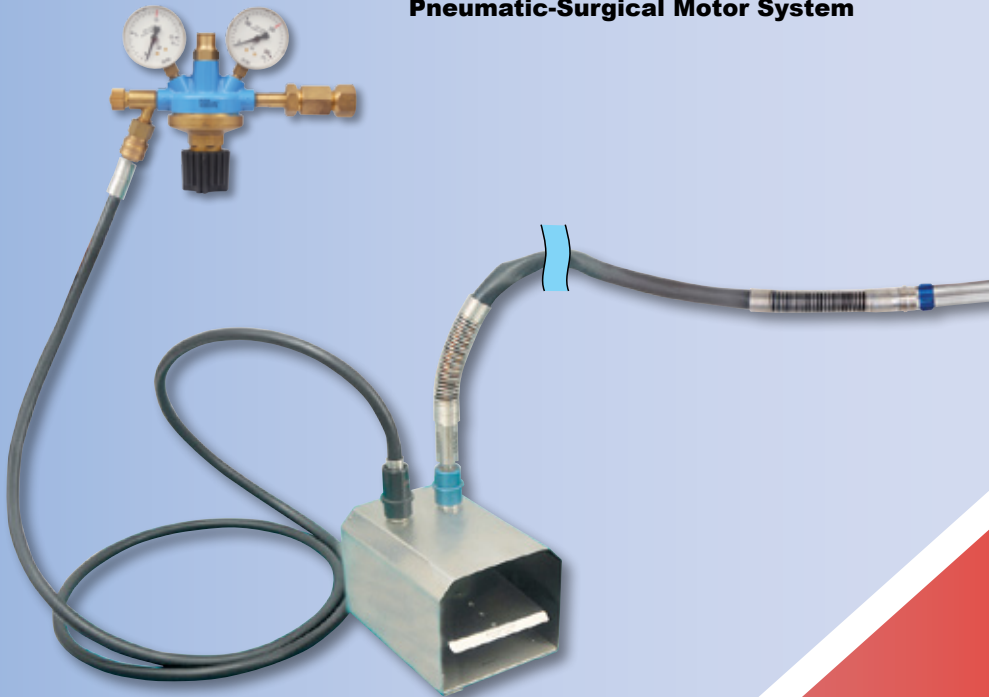


M4-137  
M4-138

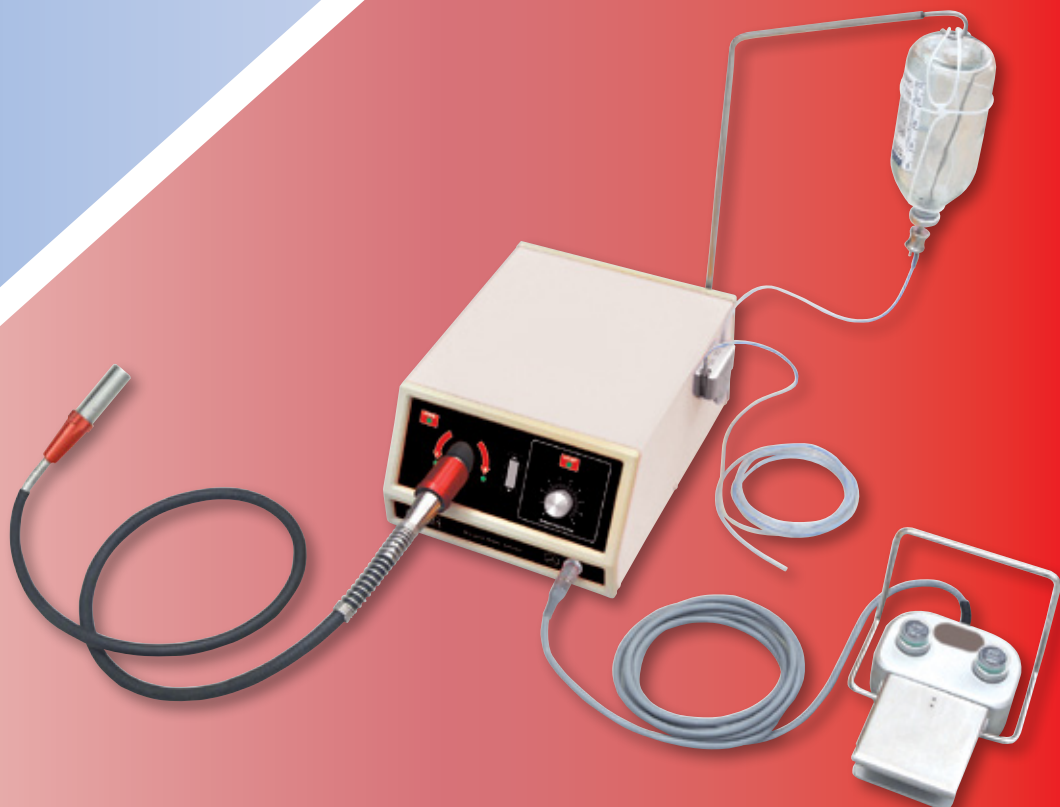


M6-055

**Pneumatic-Surgical Motor System**



**Electro-Surgical Motor System**  
(Transmission Cable)



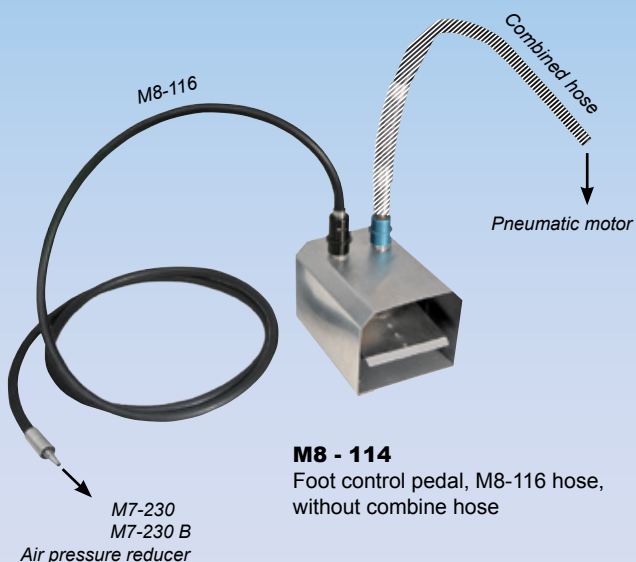
For security; the systems must be operated by using compressed dry air or nitrogen gas, the oxygen gas must never be used.



**M7 - 230 B**  
Air pressure reducer, two way



**M7 - 230**  
Air pressure reducer, one way



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



**M14 - 816**  
Spray oil

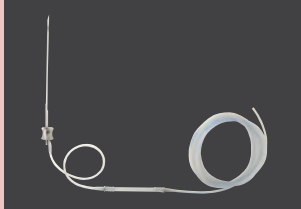


**M7 - 220** 3 m  
**M7 - 221** 5 m  
Combine hoses for air supply  
(for M7-230 and M7-150)  
  
Sterilization= 3 Atm 134° C

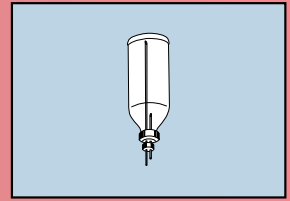


**M4 - 125**  
Pneumatic Surgical Motor  
Speed= max 22.000 rpm  
Working Pressure= 6 Atm  
Sterilization= 3 Atm 143° C

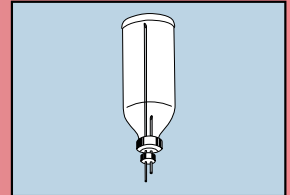




**M6 - 120**  
Tubing Set  
(M6-105, M6-107, M6-109, M6-112)



**M6 - 105**  
Punch for 500 ml  
Solution bottles



**M6 - 106**  
Punch for 1000 ml  
Solution bottles



**M6 - 107**  
Silicone tube, 35 cm



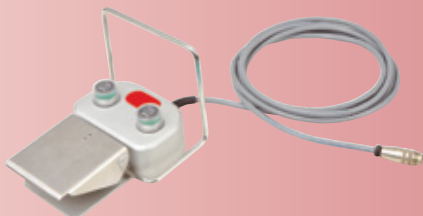
**M6 - 112**  
Silicone tube,  
240 cm



**M6 - 109**  
Silicone tube, 10 cm



**M4 - 137** 160 cm  
**M4 - 138** 210 cm  
Autoclave up to max. 3 bar, 143°C

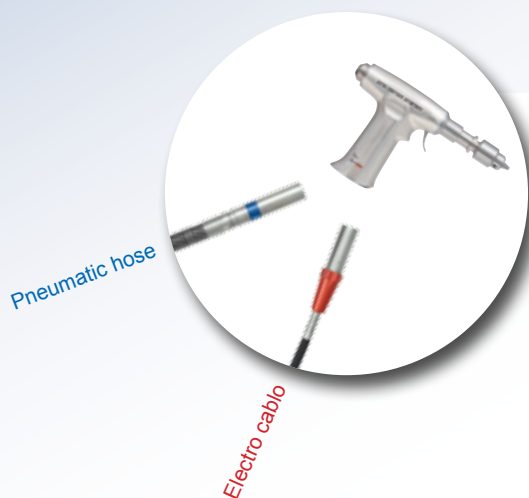


**M6 - 055**  
Foot control pedal, For electronically controlled speed regulation. Connection to M6-034 including push button for forward and reverse gear and push button for irrigation on/off With 3 m. long cable.



**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 M6-055 (Foot control, flexible cable and hand piece have to be ordered separately)

## Bore Main Piece



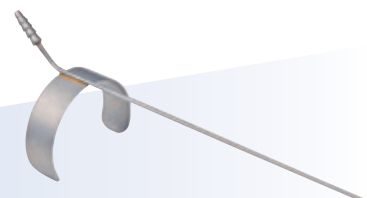
It is possible for you to work handpiece either with electrical motor, foot control pedal and flexible cable given below or according to your preference with those components of pneumatic system; motor, hose and pedal



### M4 - 200

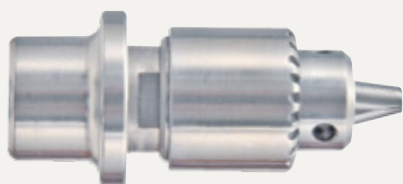
#### BORE MAIN PIECE

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



### M4 - 210

Spray nozzle with clamp



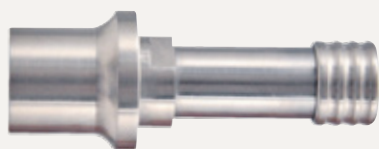
**M4 - 219**

Attachment with small three - jaw chuck, with key, Ø 4 mm, exchangeable, use with M4-200



**M4 - 220**

Attachment with three - jaw chuck, with key, Ø 6.35 mm, exchangeable, use with M4-200



**M4 - 221**

Adaptor for SQUARE shank



**M4 - 222**

Adaptor for AO shank



**M4 - 223**

Adaptor for TRINKE shank



**M4 - 224**

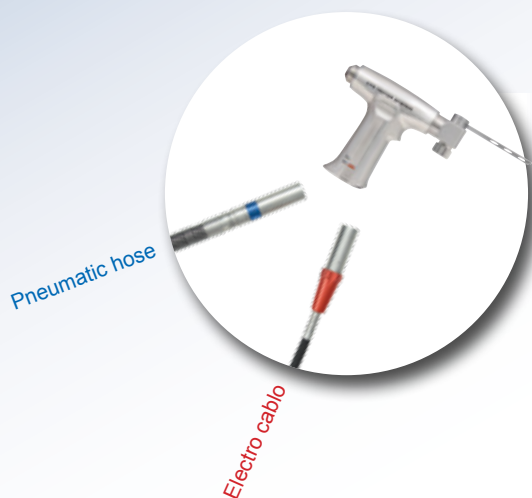
Adaptor for OSTEO shank



**M4 - 225**

Quick-action chuck for boring wires up to Ø 2.5 mm, use with M4-200

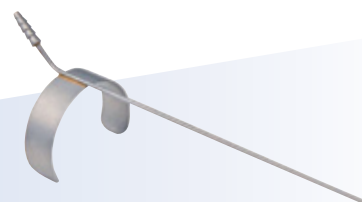
## *Sagittal Saw*



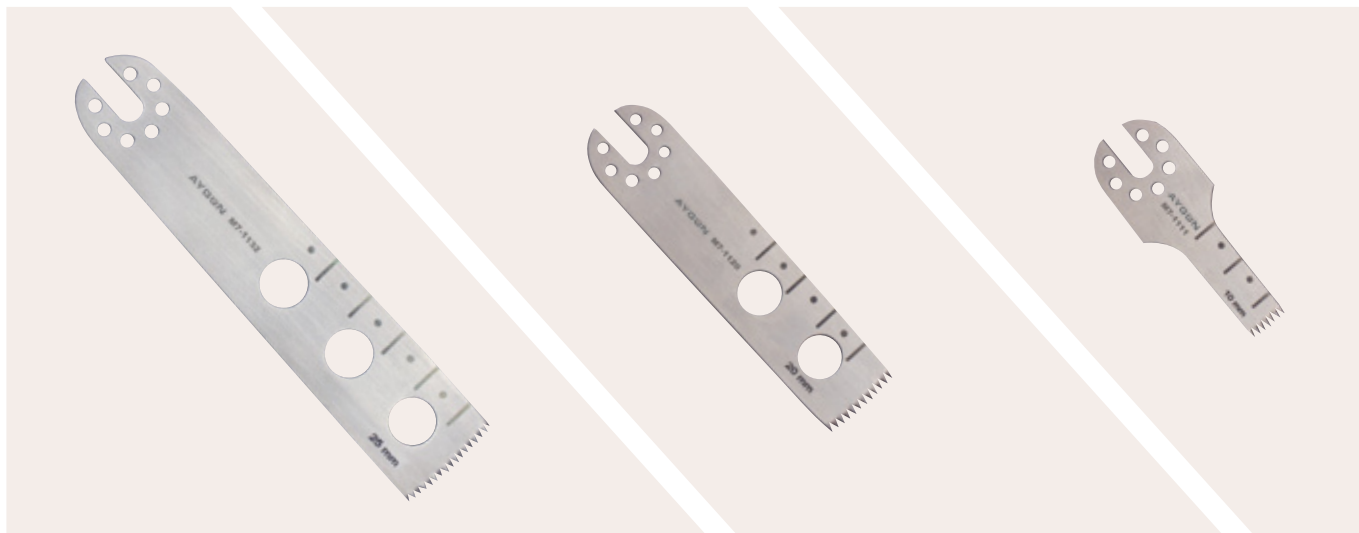
It is possible for you to work handpiece either with electrical motor, foot control pedal and flexible cable given below or according to your preference with those components of pneumatic system; motor, hose and pedal



**M4 - 300**  
Sagittal saw  
Main pieces for osteotomy saw  
with M7-1133 blade  
No key needed



**M4 - 310**  
Spray nozzle with clamp

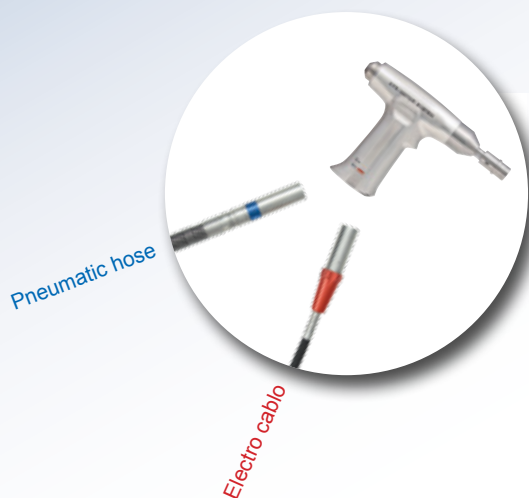


*For M4-300*

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

**SAGITTAL SAW BLADES**

## Reamer



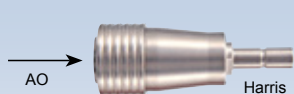
It is possible for you to work handpiece either with electrical motor, foot control pedal and flexible cable given below or according to your preference with those components of pneumatic system; motor, hose and pedal



**M4 - 400**  
Reamer  
Speed reducing ratio: 135:1  
Speed up to: 150 rpm  
For Harris connection



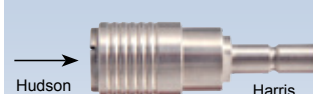
**M4 - 420**  
Attachment, jaw chuck  
Ø 6.35 mm



**M4 - 421**  
Adaptor for AO-Protek shaft



**M4 - 422**  
Adaptor for DIN 58809 shaft



**M4 - 423**  
Adaptor for Hudson shaft

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	<b>M7 - 920</b>	1.9	<b>M7 - 960</b>	<b>M7 - 961</b>	1.9	<b>M7 - 962</b>	
6.0	<b>M7 - 921</b>						
6.5	<b>M7 - 922</b>						
7.0	<b>M7 - 923</b>						
7.5	<b>M7 - 924</b>						
8.0	<b>M7 - 925</b>	3.4	<b>M7 - 963</b>	<b>M7 - 964</b>	3.4		<b>M7 - 965</b>
8.5	<b>M7 - 926</b>						
9.0	<b>M7 - 927</b>						
9.5	<b>M7 - 928</b>						
10.0	<b>M7 - 929</b>						
10.5	<b>M7 - 930</b>						
11.0	<b>M7 - 931</b>						
11.5	<b>M7 - 932</b>						
12.0	<b>M7 - 933</b>						
12.5	<b>M7 - 934</b>						
13.0	<b>M7 - 935</b>						
13.5	<b>M7 - 936</b>						
14.0	<b>M7 - 937</b>						
14.5	<b>M7 - 938</b>						
15.0	<b>M7 - 939</b>						
15.5	<b>M7 - 940</b>						
16.0	<b>M7 - 941</b>						
16.5	<b>M7 - 942</b>						
17.0	<b>M7 - 943</b>						
17.5	<b>M7 - 944</b>						
18.0	<b>M7 - 945</b>						
18.5	<b>M7 - 946</b>						
19.0	<b>M7 - 947</b>						
DIN 58809							



**M7 - 710**  
Shaft only,  
With Harris connection  
For M7-750, M7-757



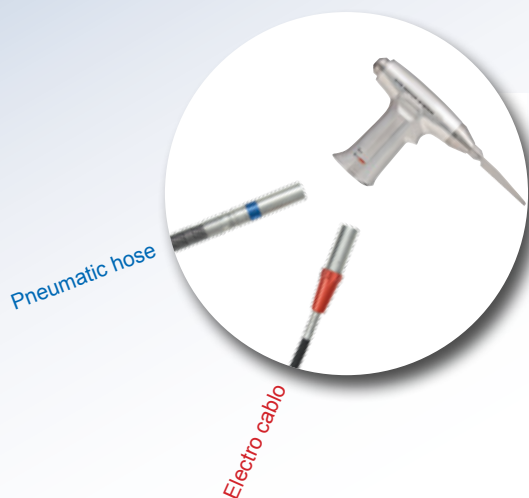
**M7 - 791**  
Movable protector case,  
fitting all reamer shafts  
sterilization: 3 atm 143° c

Only Acetabular Reamer		<b>M7 - 750</b>	Ø 46 mm
		<b>M7 - 751</b>	Ø 48 mm
		<b>M7 - 752</b>	Ø 50 mm
		<b>M7 - 753</b>	Ø 52 mm
		<b>M7 - 754</b>	Ø 56 mm
		<b>M7 - 755</b>	Ø 60 mm
		<b>M7 - 756</b>	Ø 64 mm
		<b>M7 - 757</b>	Ø 68 mm





## *Straight Reciprocating Saw*




It is possible for you to work handpiece either with electrical motor, foot control pedal and flexible cable given below or according to your preference with those components of pneumatic system; motor, hose and pedal



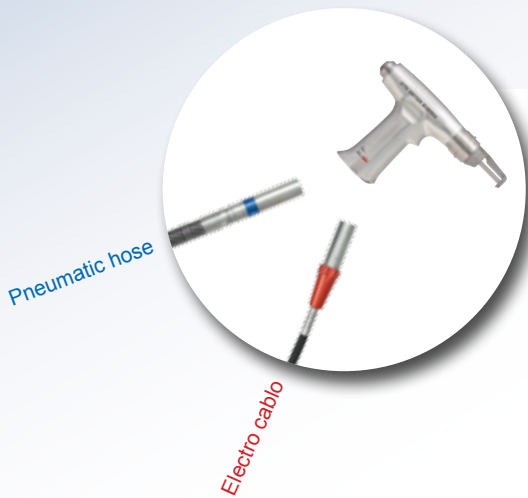
### **M4 - 500**

Straight reciprocating saw  
No key needed  
saw blade can be connected  
in two different position  
M4-521 blade is included

				
cat.no	working length	width max	thickness	cutting gap
<b>M4 - 520</b>	43 mm	7 mm	0.7 mm	0.9 mm
<b>M4 - 521</b>	60 mm	9 mm	0.7 mm	0.9 mm
<b>M4 - 522</b>	75 mm	12 mm	0.7 mm	0.9 mm

				
cat.no	working length	width max	thickness	cutting gap
<b>M4 - 523</b>	75 mm	12 mm	0.7 mm	0.9 mm



*Sternum Reciprocating Saw*

It is possible for you to work handpiece either with electrical motor, foot control pedal and flexible cable given below or according to your preference with those components of pneumatic system; motor, hose and pedal

**M4 - 700**

Sternum reciprocating saw  
No key needed  
Saw blade M4-710 and  
Saw guide M4-715 can be  
mounted in 2 different positions.



**M4 - 715**  
Saw guide



**M4 - 710**  
Saw blade  
usable length 35 mm

**CONTAINER AND ACCESSORIES**



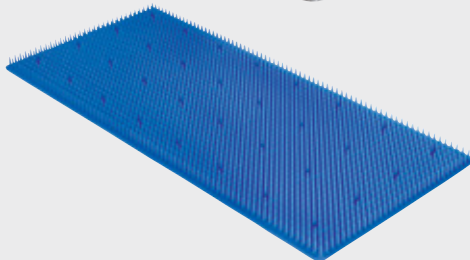
**K6 - 029D**  
Container Window Model  
580x280x200 mm Yellow



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



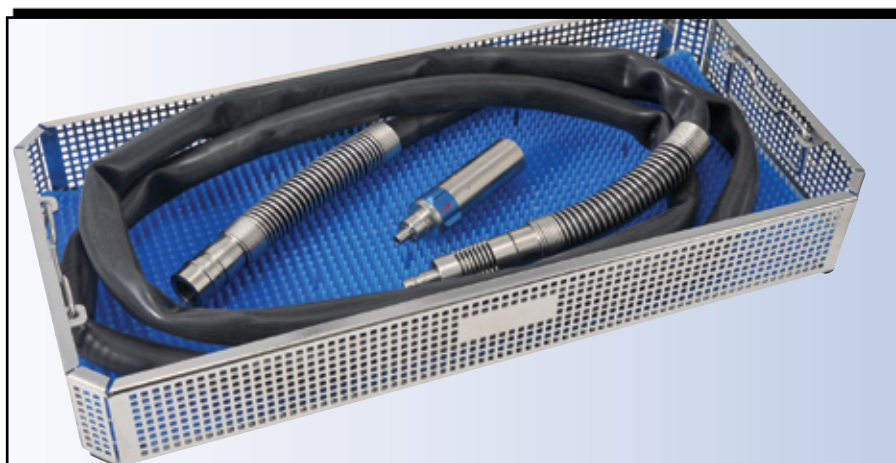
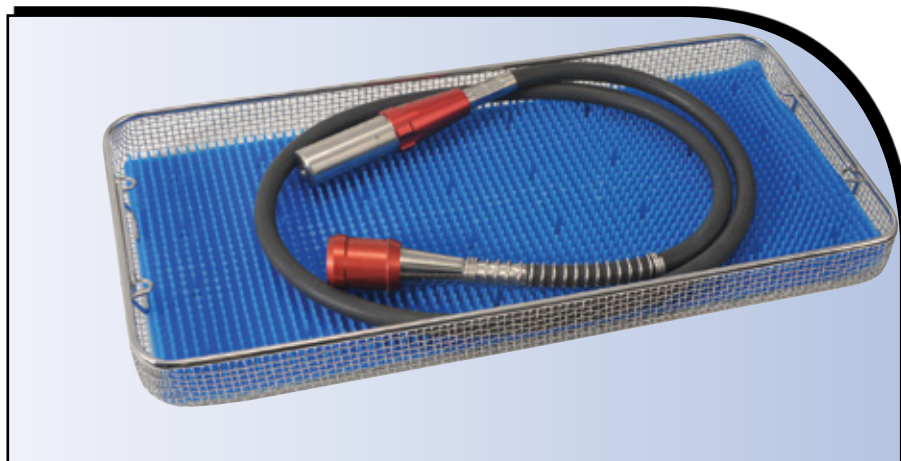
**K2 - 462**  
Wire basket  
540x250x70 mm



**K2 - 526**  
Silicone mat  
520x230 mm

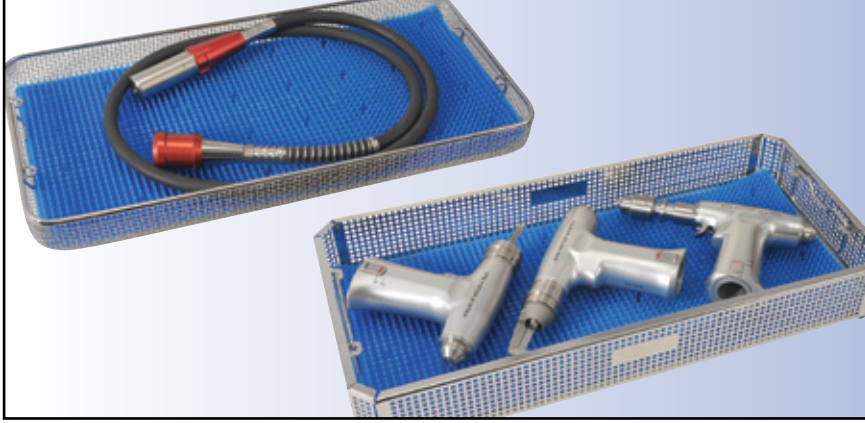
For more information and alternative please see our Sterile Container System catalog.





# Power System

EPS ELECTRO / PNEUMATIC SURGICAL MOTOR



*Edition 6*

*Meeting Point For Surgery*

**AYGUN®**  
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