



**UNITE**<sup>®</sup>  
FOOT & ANKLE

Setup and User Guide

# MIS POWER SYSTEM



# System Features

- High torque, low speed capabilities
- Integrated irrigation at the surgical site
- Ergonomic handpiece for more precise control
- Compatible with Medline's 4:1 reducer and MIS burrs
- Compact system provides smooth power delivery and quiet pump operation

# System Components



# MIS Power Kit Contents

Product No. MPOWER00

Manufacturer REF#	Medline REF#	Description	Qty in Kit
3390	MSN50008	MIS Power System, HS30	1
1510nou	MSN50011	Foot pedal, MIS Power	1
1770	MSN50017	IV pole, MIS Power	1
2097nou	MSN50010	Corded electronic motor, 2m	2
ESG-30AR	MSN50003	4:1 Speed reducer	2
1029	MSN50014	Case, MIS Power Kit	1
FXSRY9010	MSN50013	Irrigation nozzle, MIS Power	2
6024	MSN50016*	Irrigation tubing, MIS Power	N/A
1873	MSN50015*	Irrigation tubing clips (PK/10)	N/A

\*Additional disposables (not included in kit)



## Power Console Processing

The corded motor, 4:1 speed reducer, irrigation nozzle, and irrigation tubing clips require disassembly and sterilization prior to surgery. Components may be placed in a sterilization basket or peel-packed for sterilization. See the manufacturer IFU for more complete processing and sterilization instructions.



# Power Console Setup

- 1 Plug the power cord and foot pedal into the back of the console and press the on/off switch (Figure 1).
- 2 On the sterile field, attach the 4:1 reducer to the motor. An audible click will be heard when properly engaged (Figure 2).
- 3 Slide the irrigation nozzle over the tip of the 4:1 reducer. Line up the cut-out on the nozzle to the notch on the 4:1 reducer so that the nozzle sits flush at the base of the 4:1 reducer. Introduce the irrigation tubing to the sterile field and attach the tubing to the base of the irrigation nozzle. Assemble the irrigation tubing clips to the motor cord and irrigation tubing as needed for cord management (Figure 3).
- 4 Pass the console-end of the motor cord and irrigation tubing off the sterile field and plug the motor cord into the console. Ensure proper connection by lining up the two red dots on the motor cord and the console (Figure 4).
- 5 On the console, press the release key to open the irrigation pump (Figure 5). Weave the irrigation tubing under the bracket so that the saline bag will face the back of the console. Close the irrigation pump. Spike a sterile saline bag and fully open the roller clamp and bleed valve on the irrigation tubing.
- 6 Introduce the appropriate burr onto the sterile field and insert into the 4:1 reducer by turning the collet counterclockwise. Turn the collet clockwise and confirm that the collet is locked into place (Figure 6).



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

# Console Operation



Function Key	Setting
1 Pump	Irrigation pump speed. Press the up/down arrows simultaneously to turn the irrigation on/off
2 Speed	Motor speed
3 Motor 1/2	Motor input (1 or 2). Hold to change the motor direction
4 Handpiece	Handpiece (do not change from 4:1)
5 Torque/Frequency	Torque value


## Recommended MIS foot surgery settings


- Speed: 6,000 min<sup>-1</sup>
- Torque: 18 Ncm
- Handpiece: 4:1
- Irrigation: 100%
- Motor 1


# Pedal Functions



1. Collapsible carrying bracket

2.  Irrigation settings  
Tap: Switches the pump on/off  
Hold: Increases the pump speed

3.  Program settings  
Tap: Switches the program (+1)  
Hold: Switches the program (-1)

4.  Motor settings  
Tap: Switches the rotational direction  
Hold: Changes the motor input

5. Step plate  
Motor and pump activation

# MIS Burr Reference Chart

Image	Product Description	Applications	Item Number
	2.0 x 8 mm, Shannon Corta	Hammertoe	MBUR2008
	2.0 x 13 mm, Shannon Recta	Akin, DMMO	MBUR2013
	2.2 x 12 mm, Shannon Larga	Akin, Bunion, Joint Prep	MBUR2212
	2.2 x 20 mm, Shannon Recta Larga	Bunion (Cutting), Joint Prep, Calc Slide	MBUR2220
	2.9 x 13 mm, Straight Wedge	Akin, Bunion (Shaving), Cheilectomy	MBUR2913
	3.1 x 20 mm, Shannon Recta 3 Larga	Calc slide	MBUR3120
	4.3 x 13 mm, Conical Wedge	Cheilectomy, Joint Prep	MBUR4313



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