AR-900 Ultrasonic polisher

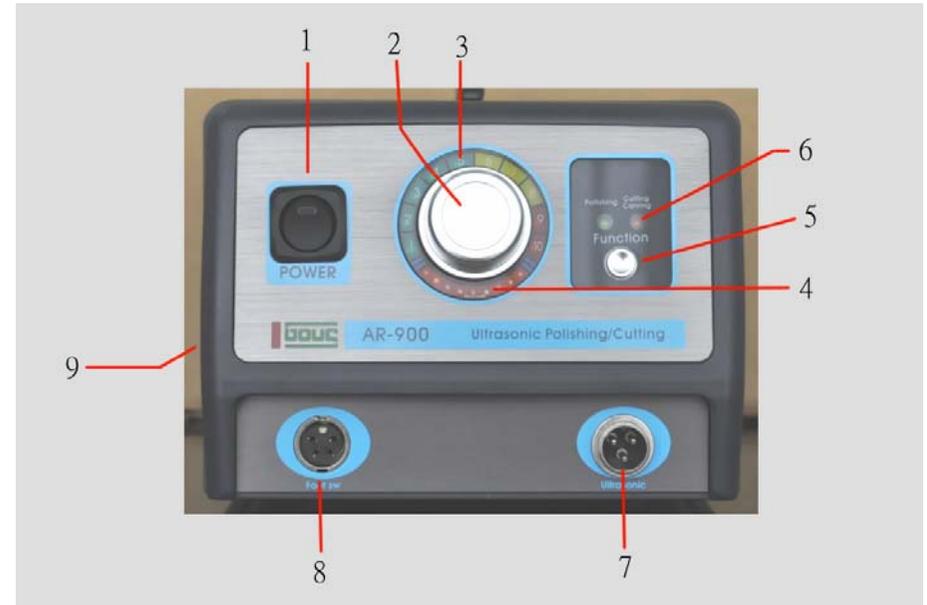## 1. Product features:

◎ Power supply of AC90-240V at 50/60Hz.

◎ High-efficiency microprocessor, with more flexible and user-friendly functions.

◎ Regulated power supply for low power consumption and over heating.

◎ Overload protective circuit and load indicator incorporated to enable safe and continuous usage.

Specification:

Power supply	AC90-240V 50/60Hz
Max. power consumption	60 Watts
Ultrasonic frequency range	18-26 KHz
Adjustment of Ultrasonic output	Continuous
Ultrasonic amplitude	3-40μM
Method of frequency adjustment	Auto-tracing
Suspension detection & protective circuit	Yes
Overload protection circuit	Yes
Load indicator	5 level led lamps
Fuse	2A 20mm time-lag type
Dimensions	W170xD226xH140 mm
Weight	2.0 Kg

2. Parts and descriptions of Main Unit

1. Power switch and indicator lamp
2. Output power adjusting knob.
3. Output setting level indicator.
4. Load indicator.
   Green LED – Normal usage
   Yellow LED – Heavy load.
   Red LED – Overloading
5. Function setting knob(For select out mode on polishing or cutting).
6. Function indicator
7. Ultrasonic hand-piece socket.
8. Foot switch socket.
9. Power input socket (at the rear): including 20mm fuse holder.

3. Usage

3-1 Ultrasonic lapping tools

1) Please confirm the voltage before connecting the power supply.
2) Install a correct holder or tool on to the Ultrasonic handpiece. **(Please use the tool changing rack to avoid damage.)**
3) Insert the hand-piece plug into the socket on both handset and main unit.
4) Turn on the power switch The power indicator lamp will light up, push button output speed indicator lamp will blink, which shows it is tracing the correct frequency. In about 3 seconds, the output speed indicator lamp will stop blinking and indicate min. level, and it is now ready to use.
5) Push function selection knob to select polishing output function mode.
6) Adjust the output power.
   During usage, the output power can be adjusted by turning the Output speed and power adjusting knob.
7) Tools and clamp horns must be securely fastened; otherwise full power will not be utilized. And the power pack cannot adjust to the correct frequency.
8) If the tool is not securely fastened and/or the clamp horn fully clamped a high pitched noise will be emitted. Please secure all joints. If the noise persists replace the tool clamp horn, switch power off and restart to activate the automatic frequency adjustment.

3-2 Foot switch
[ON/OFF-type foot switch]
1) This switch can be plugged in any time during use, when using the foot switch, keep depressing it to produce output.
2) The output (speed) indicator lamp blink after the foot switch is connected, but will light up at the level set by the knob after the foot switch is depressed.

3-3 Other notices
1) It is necessary to turn off the power before changing lapping and polishing tools each time.
2) Use only correct tools (Ultrasonic tool changing rack and wrenches) when changing tools to avoid damage.
3) On the ultrasonic function please switch the Power off & on to allow the unit to adjust to the correct frequency.
4) Insure your Leutor-Sonic equipment is protected from impact; moisture or corrosive materials.

4. AR-900 Accessories

4.1 Standard contents.

No.	Item	Article-No	Specification	Q/T
1	Small Hand-piece		Φ26mm×116mm 36 Watts	1
2	Hand-piece base		L112xD51xH35 mm	1
3	Plug/Power cord		18AWGx3C 180 cm	1
4	Small Hand-piece cord	31-PSAK	150 cm	1
5	Wrench		10mm/12mm	2
6	Hex wrench		2.5mm	1
7	Spare fuse		3A time-lag type	1
8	Tool holder A. T 1.1mm M6	31-PSW1	T 1.1mm M6 For ceramic oilstones	1
9	Tool holder B. Φ3.0mm M6	31-PSW2	Φ3.0mm M6 For φ3 shank	1
10	Tool holder C. T 3.1mm M6	31-PSW3	T 3.1mm M6 For oilstones	1
11	Foot switch (ON/OFF function)		Cord length:190cm Dimension: L73xD103xH33 mm	1

4.2　AR-900 Optional Accessories

No.	Item	Article-No	Specification	Q/T
1	Large Hand-piece		φ33x147 mm　45Watts	
2	Large Hand-piece cord		150 cm	
3	Tool changing rack of Large hand-piece		For W:12mm	
4	Large Tool holder A. T 1.1mm M8		T 1.1mm M8 For ceramic oilstones	
5	Large Tool holder B. Φ3.0mm M8		Φ3.0mm M8 For　φ3 shank	
6	Large Tool holder C. T 3.1mm M8		T 3.1mm M8 For oilstones	
7	Power cord		18AWGx3C 180 cm	
8	M6/M4　Adaptor			

The specifications and models contained in this manual are subject to actual delivery. Changes and modifications, if any, will not be further noticed.