

MOTOR HANDPIECE

UG33

- Please read this instruction before
- Please keep this instruction close to the practical operation
- Please use UG33 with the Upower dental

[APPLICATIONS] Dental Laboratory

- before happenes. safely and correctly, which prevents you from any danger or damage The following precautionary articles advise you how operate our products
- Never fail obeying to any article, in which matteres are shown concerning safety. crucial and important

· CAUTION	• WARNING		
This symbol advises the risk of injury or damage of the material if the Appliance is operated incorrectly regardless of this instruction	This symbol advises the risk of death or serious injury if the Appliance is operated incorrectly regardless of this instruction.		

1.1 Clothes while at work • WARNING

* Please wear the suitable clothes. Knitted long hair is danger of being caught in the Appliance. gloves, clothes with open cuffs

CAUTION

Please Please also put the protection mask on, not to absorb dusts and put the goggles on, not to enter dusts and grits into eyes. grits.

Safety Operation

- Please use Appliances in a place where the temperature is from 0 to 40°C and the relative humidity is from 20 to 80% (no dew condensation) rain. It may invite electric shock or fire, weaken insulation and rust or bad Please never use them, either in humid, wet places and outdoors in the www.WARNING www.www.www.www
- Do not use absolutely in any place where there are flammable or explosive materials such as lacquer, paints, thinner, gasoline, gas and adhesives. Also, ensure that there is no corrosive gas areas
- * Please do not damage Motor unit cord to prevent electric leakage and shock or fire.
- * Please use tools such as bur and point with specified standard within the permitted range of rotation.
- * Please use the Appliance in a room where well-lighted and clean, and enough space is provided.
- by cords And please be careful not to stumble over the cords or not to be caught

***************** •CAUTION

- * Please do not cover the ventilation slits of Appliance with cloth or anything else is accumulated around the ventilation slits.

 Please be careful not to allow any alien substances such as water, oil, anything else. Also, please do not use the Appliance if dusts
- dust into Appliances.
- * Please do not blow something like compressed air into ventilation slits Appliance. of.
- Do not leave the equipment rotating on table or floor.

 $\widehat{\omega}$

tool not to hurt fingers.

the tool is securely fixed. Spin the tool by fingers to

- Please keep Appliances in well dried areas.
- Please keep Appliances away from children.
- Please never make any modification, which may damage original performance and safety.

We thank you for your purchasing our

* Please do not disassemble or adjust the Appliance by yourselves.

- * Please do not use the Appliance for the other applications not appointed

1.3

people who are going to use the Appliance

Please stop the operation if any bad rotation or other abnormal movement is the rotating parts CAUTION

* While the handpiece is operating, keep hands, eyes and face away from all

Precautions while at work

- out while at work.
- * Please ensure that any tool should be well chucked by the * When changing tools, make sure that Handpiece is stopped. collet.
- * Please make sure that the tool has not been bent, cracked or broken. Also, please make sure that the shank size of tool is correct.
- Please do not use the defective tool.

 Do not operate the Handpiece if the Set Ring is at TRJ side.

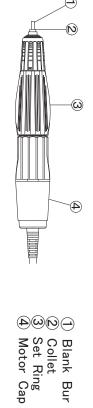
 Do not turn the Set Ring when the Handpiece is rotating.
- When Appliance defective.
- * When the Handpiece is rotating, please do not press the tool too much. When the operation is over please insert the Blank Bur into the Collet, and turn the Set Ring back to 「S」 direction and please keep it.

 Please do not turn the Set Ring back to 「S」 direction without the Blank Bur.
- It is not only the inefficient working but also, the Appliance may be damaged.
- Please be careful not to drop the Handpiece. If dropped, make sure that the tool is all right, and start to operate the Handpiece from the MIN Ispeed position and increase gradually.

.4 Maintenance and Inspection

- * When the operation is over, please remove the dust or other debris brush or soft cloth. If something is inside of the Collet referring to the content of the collet referring to the content of the con Article 3.2 and clean the Collet.
- * If the Appliance is dirty, remove it with a cloth dipped in dilute detergent with water and well wrung. Finally, wipe with a dry cloth completely. When the operation is over, make sure that there is nothing unusual upon the
- contact with the supplier. If something unusual is found, do not leave the Appliance as it is, and please Appliance for providing the next use.
- Periodical inspection is recommended every 1 or 2 years to use the safely and efficiently. Please consult your supplier for the service. Appliance

PARTS IDENTIFICATION



HOW TO CHANGE

Changing

Please use only the tools with $\phi \, 2.34$ mm shank which have been authorized. Originally, ϕ 2.34mm Blank Bur is mounted.

- 8 \exists Holding the Handpiece in hand, turn the Set Ring fully toward TRJ direction. Take out the Blank Bur and put the tool into the bottom of Collet.
- Turn the Set Ring to [S] direction, to secure your tool.
- Then, be careful with the blade (edge) of confirm that (Tools can be removed) (Tools can be secured) S:to secure

3.2 Collet Changing

other size of Collet according to the demand. tighten the Col When replacing Originally, ϕ 2.3 let using the Wrench which has been supplied. 4mm Collet is mounted. It is possible to replace with the the Collet, insert the Blank Bur (or tool) and loosen or

(1) Holding the to hit the Wrench by Hammer at an instance, and remove the Collet. Please be Be sure that Holding the Handpiece in hand, turn the Set Ring fully toward $\lceil R \rfloor$ direction. careful not to Collet slips it toward the direction of "loosen" If the Place the Wrench on the Collet, and turn inside of Coll and impossible to loosen, try the Blank Bur (or tool) is hit your fingers by error.

Turn fully Set Ring to "R" direction and loosen and remove Collet by Wrench.

loosen

Make sure to secure the Collet firmly. (3) Take the Wrench out and turn the Se (2) Place the other Collet and turn the Collet toward the direction of "tighten". rench out and turn the Set Ring

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(4) Spin the tool by fingers to confirm that the back toward tool not to hurt fingers. Then, be careful with the blade (edge) of tool is securely fixed. 「S」 direction as it was.

Blank Bur

-Wrench

Set Ring

- When the Carbon Brush is worn out, the 3.3 Replacement of Carbon Brushes the Carbon Brush at the same time. We recommend Then, please replace the Carbon Brush. Handpiece rotates unstably or stops. to replace the both sides of
- \exists Turn the Motor Cap to the left and
- 2 Using a Phi remove remove Carbon Brush. the llips Type Screw Driver, Screw that is securing the Then, please be careful

Screw

Carbon Brush

- <u>ω</u> not to loose the screw. Take the worn out Carbon Brush out, and replace with a new one and secure it by the Screw. Removing
- 4 Turn the Motor cap to the right to fit onto the Handpiece.

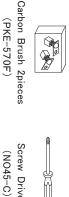
Motor Cap

Fitting

4 SPECIFIC, NTIONS

	1 1	Dim			
Weight	i 1 1 1	Dimensions 28mm(MAX.) × L163mm	1 1 1 1 1	r.p.m	
910g (not including Cord)	1 1 1 1 1	28m	11111	MAX.	
-(1 1 1	m(MAX		35,00	
oduding	1 1 1 1	×	1 1 1 1 1	0rpm	
	1 1 1	.163mı	1 1 1 1	MAX. 35,000rpm / DC30V	
_	!	3		<u> </u>	
		Collet			
<i>∲</i> 31-	φ3.0mm	Collet OPTION	1 1 1 1 1 1	ϕ 2.34mm (KP-036B	MOUNTED
7.5 mm		ž	1	mm (k	TED
φ 3.175mm (KP-033B)	(KP-032B		1	(P-03	
-033B)	032B)		1	3B)	

Standard Accessor les





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(KP-615A) Wrench

The specifications and designs in this Instruction manual are subject to change without notice.



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