

**IMPORTANT INFORMATION!!!**

***Thank you for Purchasing the JURA Art-graver System !***

You are the lucky owner of one of our four machine;

# **JURA Micromotor/** Micromotor only. Includes the micromotor bench top holder & holder for handpiece.

# **JURA Art-graver/** Engraving system only. Includes: 10 quick changes with colour coding, set of gravers, micromotor bench top holder & holder for handpiece.

# **JURA Art-graver PLUS/** Micromotor and Engraving system in one box. Includes: 10 quick changes with colour coding, set of gravers, micromotor bench top holder & holder for handpiece.

# **JURA Art-graver PRO:** This system combines the Micromotor and Engraving system in one box including the Hot Air and Cool Air guns\*\*\*. Includes: 10 quick changes with colour coding, set of gravers, micromotor bench top holder & holder for handpiece.

**Please read this manual carefully for essential warranty instructions!!!**

**JURA Micromotor:**

The new JURA Micromotor uses a high torque brushless micro motor combined with a slim NSK E Type handpiece. This combination produces the necessary low speed torque that is required for effortless and precise drilling in even the hard metals like platinum and titanium. The NSK handpiece is slim like a pen, allowing for stress free work all day. The included bench top holder for the cable, will prevent the cable from pulling and discomfort during your work.

The torque produced is rated at 7.8 Ncm. What does that mean? That torque number means you get consistent low speed drilling at your chosen speed. The motor doesn't "bog down" and you are not constantly manipulating the foot control to maintain speed. It is exactly what you need for all types of stone setting application. The precise application of speed and torque for drilling in hard metals at low speed.


The JURA Micromotor has a digital readout that shows rpm speed by the 1000 rpm. It also has a digital display for elapsed time that is used in factory production work or whenever you need to know how much time was involved in a particular task. The speed is controlled by a large dial in the center of the control box. The three control box functions are on/off, hand speed control by dial/foot speed control by foot control and Forward/Reverse.

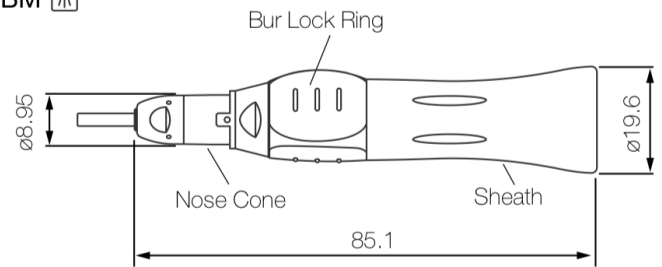
The brushless motor and the control box will allow speeds up to 25,000 rpm.

*Jura's advise on rpm; Cylinders & Tapered burs: 5000 - 6000 rpm / Drills & Ball burs: 3000 - 4000 rpm / Polishing: approximately 18,000 rpm*

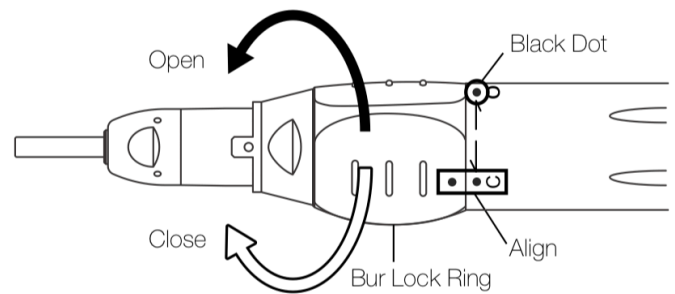
## Please take the following in account before using the NSK E-TYPE handpiece;

- To connect the motor and the handpiece, align the positioning marks of the motor and the handpiece, and insert straightly. To disconnect, hold the front part of the motor and the back part of the handpiece, and pull out straightly. Do not connect or disconnect the handpiece until the motor has completely stopped.
- To mount the bur, insert it into the chuck and turn the Bur Lock Ring in the direction of the mark [C] until it clicks and the Black Dots align (\*See the picture below). To remove the bur, turn the Bur Lock Ring in the direction of mark [O] until it clicks. Most common mistake is that people start working in the middle position, between the lock and unlock. Never do that!
- Never use bent, off-centered or damaged burs. Excessive loads generated by defective burs will quickly damage ball bearings.
- This handpiece is designed for (dental) treatment and precision technical use. Longtime excavation with high torque with thick burs such as 2,8mm up may cause a short life to the handpiece chuck.
- Always insert a bur all the way into chuck. This will prevent “BUR- WALK-OUT”, and/or damage to the ball bearing.
- Never operate Straight Nosecone without a bur or bur blank securely in place, or bur lock ring at different positions.
- Make sure if the Os of the bur lock ring line up after fixing the bur. Rotating the bur in an improper position may cause heat generation, which results in burns

EX-6B  
EX-6BM 



Allowable Max.Speed ... 40,000min<sup>-1</sup>(rpm)  
Burs ... ISO 1797-1 Type2  
Accept Doriot Type Head



## JURA Engraving system:

What makes the JURA Artgraver special beyond the air compressor free feature? It's the handpiece. The single handpiece can be quickly modified by switching out the piston to allow for a wide variety of engraving styles from light bulino work to heavy engraving in hard metals like steel and titanium.

- The handpiece comes with two pistons included, 4 and 6 grams. Depending on the type of your work, the piston's can be easily replaced by unscrewing the handle and removing the spring.
- Left button "Power" on the control box regulates the stoke power of the engraving handpiece. The right button "Speed" is responsible for the frequency of the stokes.
- By pressing the pedal, the handpiece will start exhilarating from 0 up. Increasing the speed doesn't mean you'll get more power! Find the right speed for the chosen piston for your particular kind of work.

### **JURA Hot-air Gun:**

The difference between the Art-graver Plus & Art Graver PRO is that the PRO edition comes with additional Hot Air Gun for heating and cooling your shellac or thermoloc without burning it. The slim nose is suitable to work precisely on your piece while looking through the microscope!

- This item does need a small compressor, only for the air guns.

### **Please take the following in account before using the JURA Hot Air Gun;**

- Make sure that the JURA Hot Air Gun is properly connected to Air Supply and the Compressor is switched on and set on minimum; 80 psi / 5,5bar! Beware, Lower air pressure might damage/ burn the heating element. Never use the Hot-air Gun without the minimum required air pressure!
- Cold Air: Pull the trigger half way.
- Hot Air: Pull the trigger all the way.
- Cool after heating: Let go of the trigger half way and wait for a few seconds until the air start cooling down.
- The JURA Hot Air Gun comes standard with 4mm tube. Depending on your situation, you might need a custom connector. Please contact your local hardware store for advice or contact Jura at [info@diaset.nl](mailto:info@diaset.nl).
- Do NOT connect the Hot Air Gun to any other device rather than straight to the Compressor or the JURA System!

### **JURA Air Gun:**

The Art Graver PRO edition also comes with additional JURA Air blower. Very suitable for cleaning your piece and bench from dust. This item does need a small compressor.

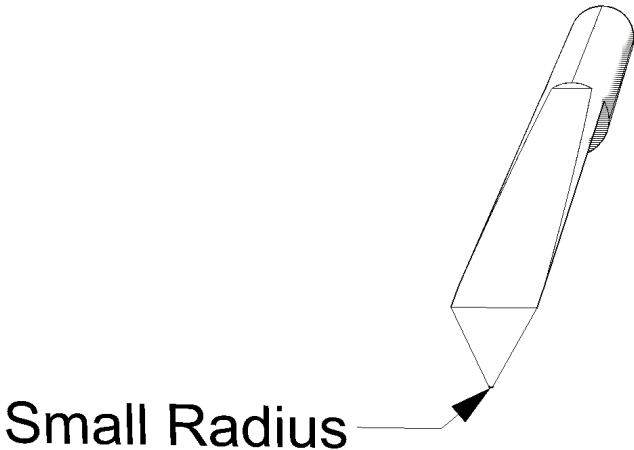
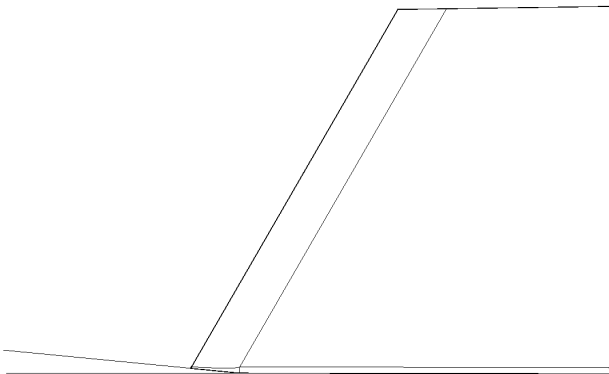
Product Note:

\*\*\* The Hot-air Gun & Air blower do require a small compressor. We advise to use the JURA oil free minicompressor. Low noise level a. 45dB, this compressor is most silent in it's category and very well suitable in a small workshop or even workplace at home!

**Please note that we don't give any warranty when the instructions above are not been followed properly!**

*Jura and his team wishes you many years of pleasant working with the Art-graver System!*

**“Small advise on how to prepare your gravers”**

 <p>Small Radius</p> <p>Minimum 60 Degrees</p>	
	<p><b><u>We recommend to use</u></b></p> <p>Set of Diamond Polishing Wheels For shaping, polishing and cutting of your gravers.</p> <p>SG.DP.YW: Yellow /Fine SG.DP.BE: Blue /Medium SG.DP.BK: Black /Rough SG.DP.CW: Cutting Wheel</p>