

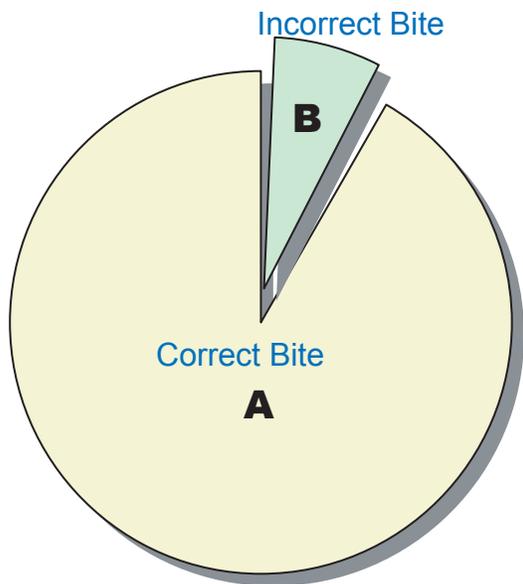
Bite Adjustment Just Got Much Easier

Artimax™ Heat Gun



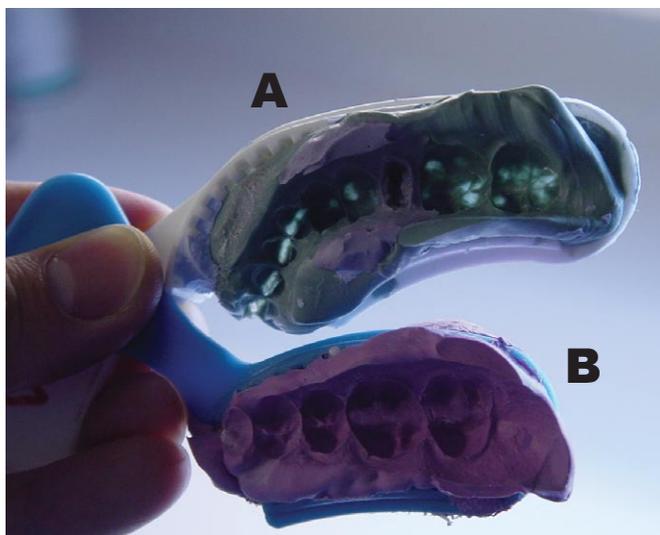
- No Black Marks
- No Flame
- No Burning, No Bubbles
- Can be heated multiple times

■ Articulation with Artimax is extremely easy



	Correct Bite (A)	Incorrect Bite (B)
% of cases received from doctors (Average)	90 - 95 %	5 - 10 %
Articulating method	Closed Bite Auto Articulation™	Hand Articulation Closed Bite Auto Articulation™ + Bite adjustment
Process	Pour the opposing side first → Insert the pins → Pour the prep side → Close the articulator, let it set and open	
Time for articulation	0 sec	less than 1 min.

■ How to save your time for articulation



Artimax is a Closed Bite Auto Articulation System. That means that 90-95% of all cases received do not require time for articulation purposes.

As seen in the picture to the left, patient A bit the impression completely, showing the occlusal contact as seen against the light. Patient B did not bite all the way down and as a result the bite is off.

Method 1

Just pour the impressions, totally disregarding the right or wrong bites. Finish all the model work and double check the bites with the actual cases mounted on the tray. This is what is recommended by most of the labs.

You will be amazed to see that only a small portion of all the incoming cases need a bite adjustment.

(Studies show the average rate of wrong bites is only 5-10% of all the incoming cases.)

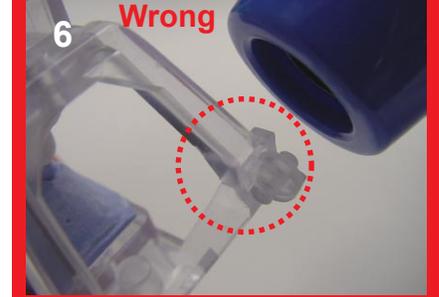
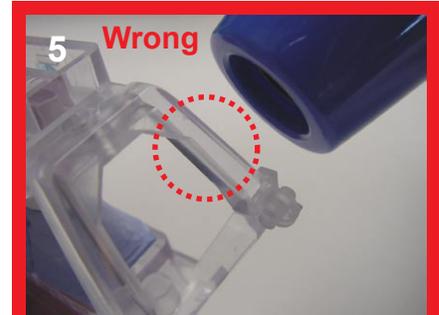
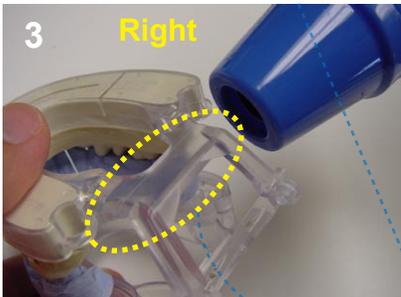
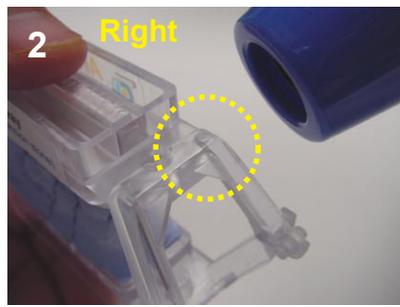
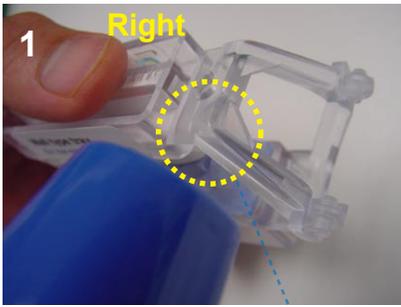
So why spend the time doing hand articulation for the majority of cases (90 - 95%) which could be automatically articulated directly from the doctor's bite? This method of Closed Bite Auto Articulation is both ideal and practical.

Method 2 Mark the impression with the wrong bites before you pour. After the model work is finished, pick only the cases that you marked and adjust the bite. (Double-checking the other cases is still a safe way to make sure all cases are properly articulated)



7. Q. (1 minute Bite Adjustment with Heat Gun - Recommended Method)

■ How to use the bite adjustment heat gun (Do's and Don'ts)



The bite adjustment heat gun facilitates easy re-articulation for cases in which the patients' bite is wrong. The bite can be adjusted in less than 1 minute by simply softening the neck of the hinge with the heat gun and then re-articulating. Heat the neck area (the yellow circled area) of either the opposing tray or the working tray for about 15 to 20 seconds. During this time, be sure to switch teeth every 5 to 6 seconds so that the neck area may be heated evenly. (Pic. 1 & 2)

While the hinge is soft, the bite can be adjusted. After finding the correct bite, hold the articulator still for about 20 seconds so the new bite can be set.

It is important to heat the legs at the area in which they connect with the tray

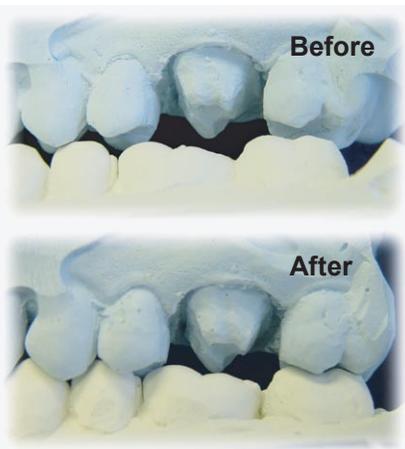
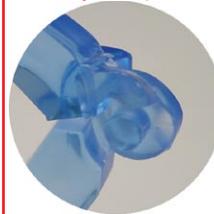
The ideal distance of the heat gun from the heating area is about 5mm. Be sure not to touch the heating area with the tip of the heat gun, otherwise the hot tip may stick to the articulator.



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Do not heat the middle area of the leg (Pic. 5), as the heat may transfer down to the joint.

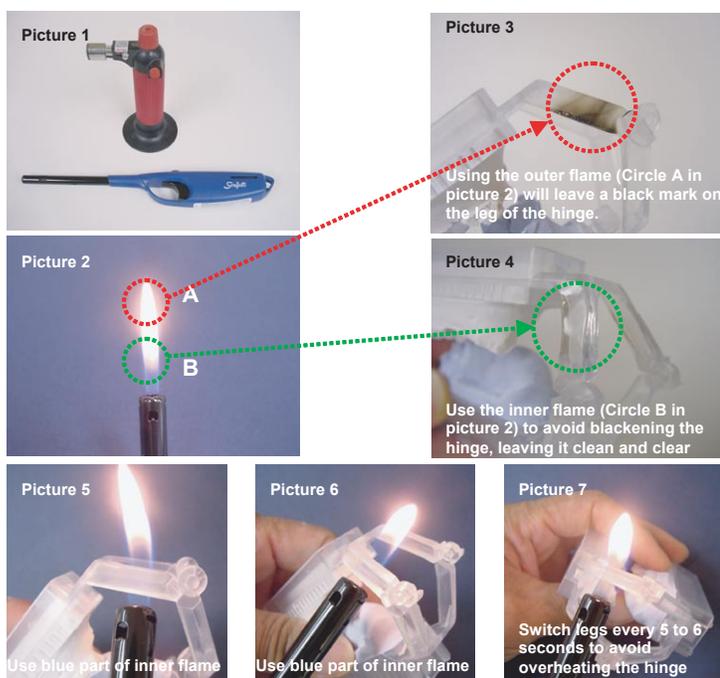
If the joint is heated it will not maintain its structural integrity and may affect the function of the hinge, causing the tray to pop open when you open the articulator.



■ What do you do when you want to adjust the bite ?

Vertex®	Artimax™
 <ul style="list-style-type: none"> ● Break off the hinge either at the ball & socket or directly off the stone base. Get a new hinge then re-articulate & glue it again. ● Very inconvenient method if the bite is still wrong after the adjustment ● Involves messy and hazardous glue for every adjustment 	 <ul style="list-style-type: none"> ● Simply soften the neck of the hinges with the heat gun and then re-articulate. Hold the articulator still so the new bite can be set. <p>Can be done multiple times without leaving any burning marks</p>

■ What other method is available to adjust the wrong bite ?



A microtorch or B.B.Q. torch (Pic 1) can also be used to adjust the hinge. Heat the legs at the area in which they connect with the tray of either the opposing or working side. Switch legs every 5 to 6 seconds (Pic 5,6 and 7). Be sure to avoid heating the joint area of the hinge.

The open flame makes the hinge more susceptible to burning (Pic. 3). So it is important to use the inner (blue) part of the flame (Pic. 2). This inner part of the flame will leave the hinge clean and clear (Pic. 4).

While the hinges are soft, the bite can be re-articulated. After finding the right bite, hold the articulator still for about 20 seconds so the new bite can set. For faster cooling you may also blow compressed air on the legs for about 5 seconds.

Microtorch/Flame method

Black marks or bubbles could be left on the hinge if outer part of the flame is used.

Heat gun method

No black marks, bubbles or burning under any circumstances

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Sufficient heating & Rearticulating of the hinge



1. When heating the hinge, hold the heat gun as close to the neck (the area at which the two legs meet the tray) of the articulator as you can without touching the heat gun to the articulator. Heat the entire neck area by moving the heat gun from side to side across the neck. It is important to heat the neck area of the hinge thoroughly in order to accurately adjust the bite. This will ensure that there is no memory left in the plastic, thereby allowing the technician to adjust to and maintain the correct bite. If the neck area has not been heated sufficiently, it will maintain some of its memory and may come back out of occlusion after being adjusted. Within about 30 seconds the neck area will look cloudy and become movable. It is normal for the legs to become a bit cloudy also as the heat may travel down them.
2. While the hinge is hot and moveable, adjust the model to the correct bite. Hold the model in the correct bite while it cools and regains its rigidity. This may take about 20-30 seconds and you will see the cloudiness disappearing as the hinge turns back to clear.
3. During cooling, it is best to let the hinge cool naturally. However, you may use compressed air to speed up the cooling by giving the hinge a few passing sprays. **Do not** use cold water to rapidly cool the hinge. The reaction that takes place is similar to the way glue shrinks and contracts when accelerator is used. The sudden change may cause the hinge to bounce out of occlusion.