

Step One

After casts are mounted in the articulator in the conventional manner, the upper cast is removed and attached to the Centri-Check. Using a centric relation record the casts are occluded. (Figure 7)



Figure 7

Step Two

Insert a new set of recording inserts for comparison of bite records. Insert the first bite record. Stabilize the casts by using firm hand pressure. Insert the first bite record. Perforate the inserts with the recording pins. Remove the first bite record.

Step Three

The casts are occluded using the second centric relation record. Again the recording pins perforate the insert. If the points of contact are the same, the probability is that both bite records are valid, confirming accurately mounted casts.

If the pins contact at different points, color the second set. If the first two records do not coincide, a third record is tried in the same manner. (If the three bite records do not match, additional records should be taken of the patient and verified.)



RESTORATIVE ORAL HEALTH

Whip Mix Corporation - West
1730 East Prospect Rd., Suite 101
Fort Collins, CO 80525
Toll-Free: 1-800-201-7286
Fax: 1-970-472-1793
www.whipmix.com

Whip Mix®, Denar® and logos are registered trademarks of Whip Mix Corporation.

CENTRI-CHECK SYSTEM

INSTRUCTIONS FOR USE



The Centri-Check can be used with the Denar® Combi, Automark, Anamark PLUS and Mark II PLUS Articulators or other Denar articulators with condyle ball channels.

The Centri-Check System uses a set of precision recording inserts which permit continuous tracking of condylar position on the same reusable record. It can be removed and filed in the Centri-Check Patient Recording Kit or with the patient's models. When reused, it is compared with previous recordings on the millimeter graph showing movement or stability in the temporomandibular joints. The Centri-Check System provides:

- Comparative condylar joint position.
- Measurement of mediolateral displacement.
- Verification of centric relation records.

Step One

Mount the patient's maxillary cast on the articulator using a Slidematic Facebow (or Denar® D31AB). The mandibular cast is then mounted with centric relation bite record.

Note: For accuracy in comparative recordings, the facebow must be accurately related to the condylar axis. An earbow is also acceptable for most analysis if comparative bite records are taken at the same vertical dimension.

Step Two

Remove the maxillary cast from the upper bow of the articulator and attach to the Centri-Check. (Figure 1)



Figure 1



Figure 2

Step Three

Slide the recording inserts into each side of the Centri-Check. Note the left (L) and right (R) designations are indicated on the pairs of recording inserts. Verify that each insert is firmly placed in the slot to coincide with the patient's left and right. (Figure 2)

NOTE: The screws at the back of the Centri-Check bow have been pre-set to hold the recording inserts in place. After extended use they may require tightening with the provided wrench.

COMPARATIVE CONDYLAR RECORDINGS

Step One

Place a 'carefully made' centric relation bite record on the mandibular cast. It must fit precisely. The bite record should be made of a wax or compound firm enough so that it will not distort under firm pressure from the casts.



Figure 3

Step Two

Seat the maxillary cast on the bite record. Make sure that it does not rock. The casts must be held firmly in place during the recording procedure. (Figure 3)

Step Three

Insert the left and right recording pins through the channels in the condyle balls. While stabilizing the casts with firm hand pressure, perforate the millimeter graph (12 millimeters square) with the recording pin for the left and the right. The pin will make a needle point dot in the graph. (Figure 4)



Figure 4

Step Four

Using the four-color Centri-Check pen (or colored articulating ribbon), color the dot to match the colored box (sequence is red, blue, green and black) on the entry recording line of the label. For example, the first entry recording line has a red box. Record the first recording date on that line and color the first dot with red. (Figure 5)



Figure 5

MEDIOLATERAL DISPLACEMENT

Each recording pin is calibrated in millimeter increments. After recording the condylar position in Step Three above, perforate the recording graphs with the pins and note the amount of mediolateral displacement. (Figure 6) This measurement is recorded on the Centri-Check Patient Recording Envelope.



Figure 6

VERIFICATION OF CENTRIC RELATION RECORDS

After obtaining two or more centric relation bite records, use the Centri-Check to determine if condyle position is the same for each bite record. A comparison of joint position can be made for each bite record.