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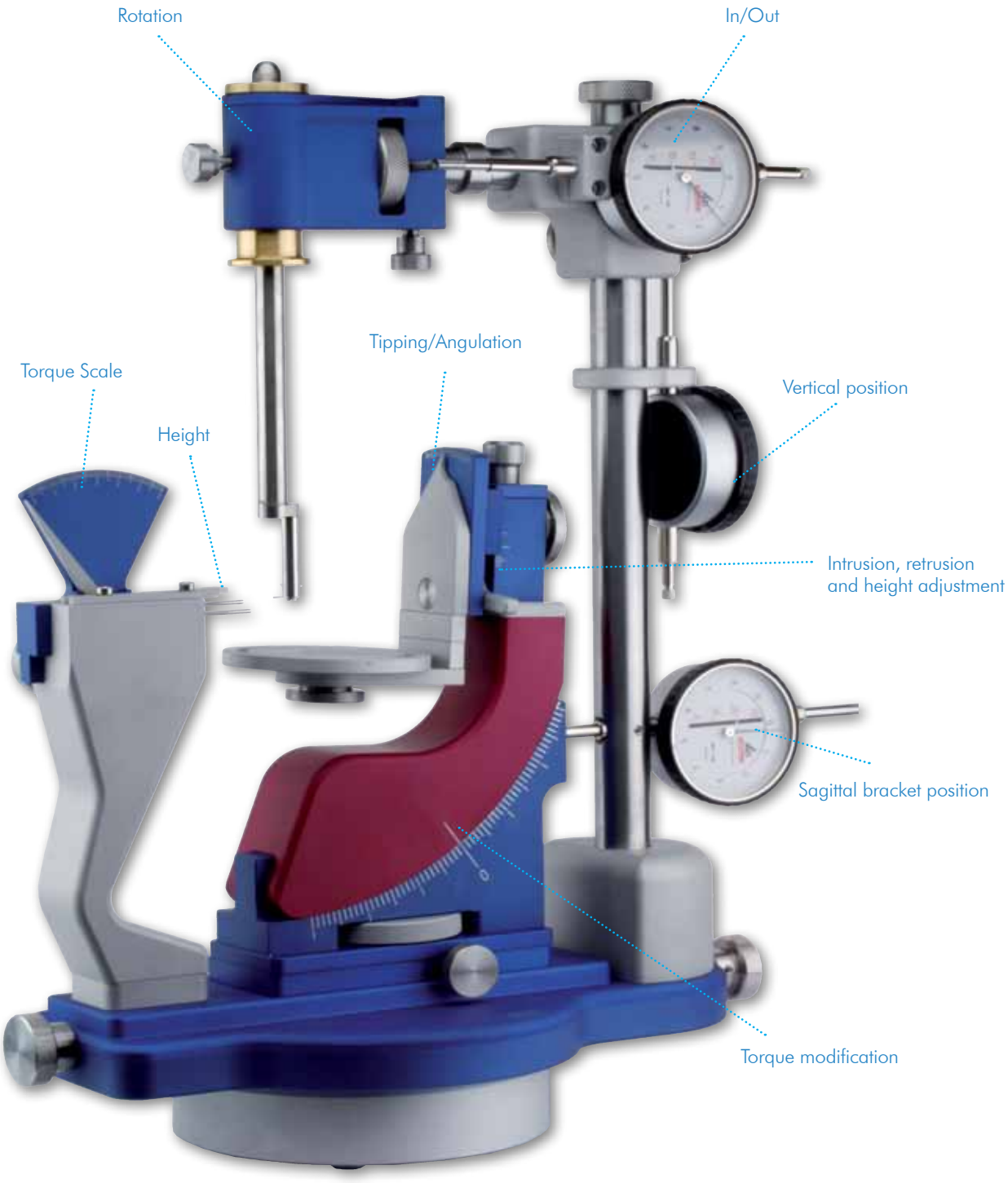
ACCURATE BRACKET POSITIONER™

Bringing German Engineering to Orthodontics

ABP™ - Accurate Bracket Positioner™

Precise mounting of any type of bracket both buccal and lingual without the need for set-up models.

Fast, precise & easy to use...



ABP™ - Accurate Bracket Positioner™ is a precision instrument designed specifically to provide an ultra precise and reproducible bracket position using the indirect bonding technique. Any type of bracket with a slot can be used with any type of prescription without the need for set-up models.

Indirect bonding has been used successfully for many years to accurately position lingual or buccal brackets, however we know this to be a long and time consuming procedure, mainly due to the need to prepare an ideal set-up model. The ABP™ was designed specifically to eliminate the need for this time consuming step, and create a system that offers the full range of dimensional measurements with an easy to operate appliance and fully individualize any kid of prescription.

Vestibular working-time is approx - 30 minutes per full arch.

Lingual working-time is approx- 45 minutes per full arch.

Key objectives in the development of the **ABP™**

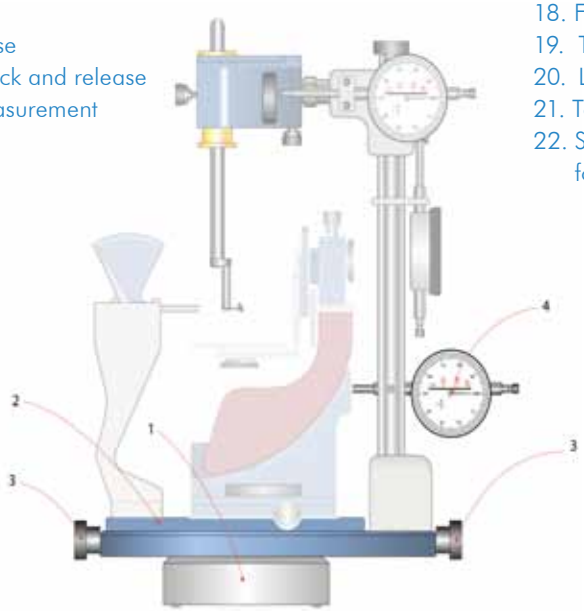
- Highly precise
- Easy to operate
- Capable of using any type of bracket with a slot in any dimension
- Independent measurement of bracket position parameters
- Easily reproducible positions
- Easily modify or accurately follow any prescriptions
- Requires no set-up model
- Transfer system can be directly prepared on the malocclusion model

The **ABP**™ has been furnished with a complete range of measuring tools. Brackets can be positioned with any prescription as each parameter of the bracket (in-out, height, rotation, tilt, mesio-distal and torque) can be adjusted and measured independently. This enables precise completion of indirect bonding cases, and eliminates the need for time-consuming set-up models, reducing working time substantially.

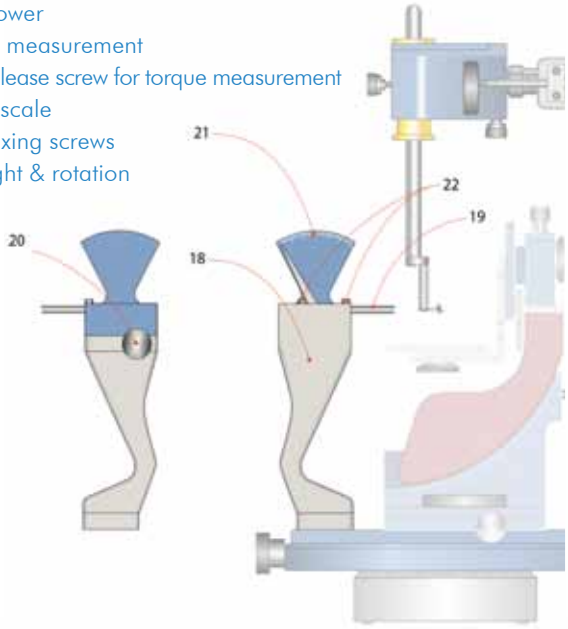
ABP™ Overview:

The **ABP**™ consists of a rotating base that allows for easy visualization and manipulation of the position of the bracket, from any angle. Each tower is designed to measure and lock crucial measurements precisely and securely.

1. Base
2. Rotation base
3. Screws to lock and release
4. Sagittal measurement



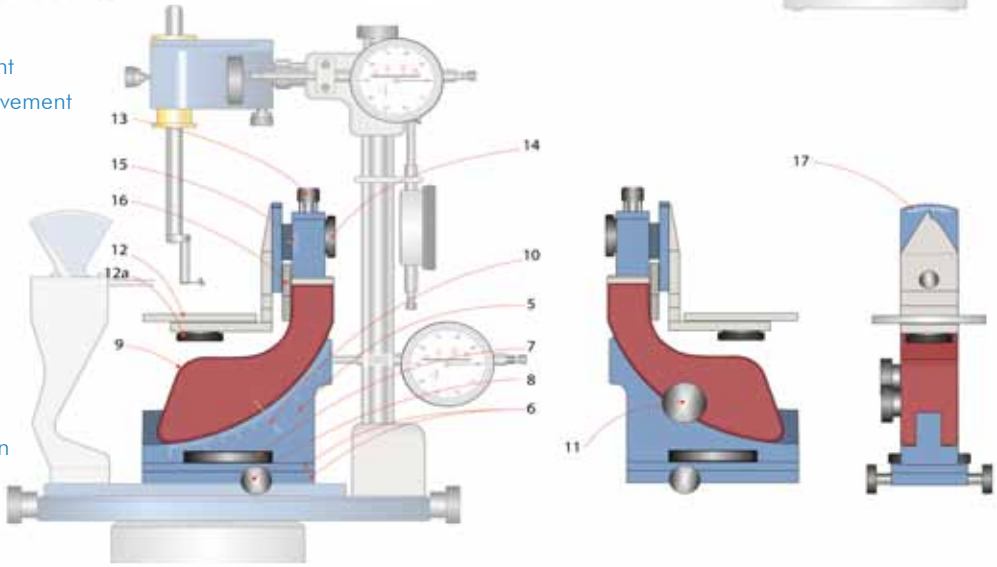
18. Front Tower
19. Torque measurement
20. Lock/release screw for torque measurement
21. Torque scale
22. Stylus fixing screws for height & rotation



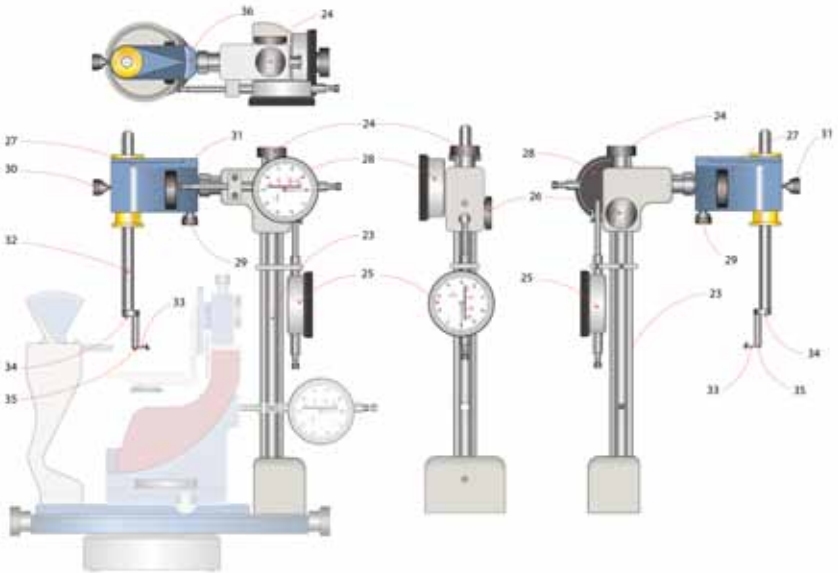
5. Model tower
6. Measurement of lateral movement
7. Lock/release screw for lateral movement
8. Wheel for lateral movement
9. Adjustment torque
10. Measurement scale for torque
11. Lock/release screw for torque
12. Turntable for model

12a Lock block for turntable

13. Height adjustment screw
14. Lock/release screw for height
15. Measurement scale for height
16. Lever for fixing/adjusting angulation
17. Measurement scale for mesial/ angulation



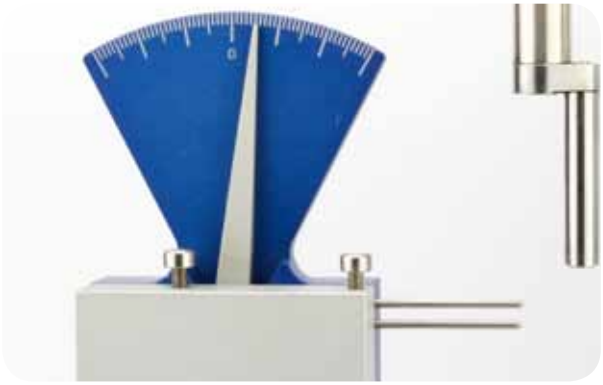
23. Back tower
24. Height fixation screw
25. Vertical position gauge
26. Lock/release height screw
27. Wheel screw for in/out adjustment
28. In/out measurement gauge
29. Lock bolt
30. Rotation fixation bolt
31. Fixation bolt for the clip
32. Bracket clamp arm
33. Bracket clamp
34. Lock/release screw to position bracket for either buccal or lingual brackets
35. Screw to secure bracket clamp
36. Scale measurement for bracket rotation



Snapshot - buccal setup

Position and customize lingual and vestibular brackets directly onto the malocclusion model.
Easily adjust torque, angulation, in/out, rotation, intrusion, extrusion etc, individually per tooth in precise degree and millimeter steps.

Torque positioner. Torque fixing screw



Torque scale (negative torque)

Torque scale (0°)

Torque scale (positive torque)

01 Draw the facial axes

02 Draw FA point

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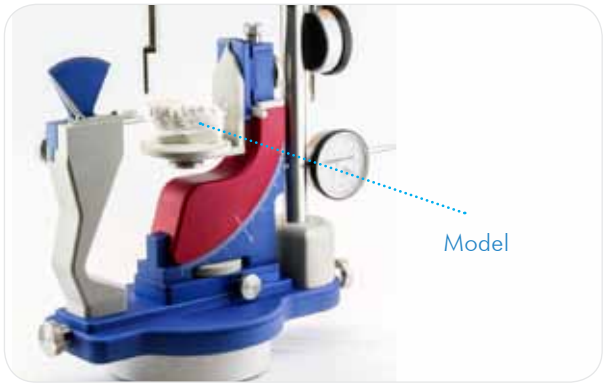
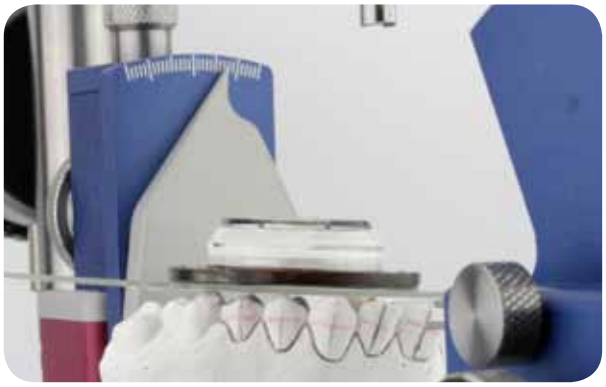
03 Draw gingival margins

04 Draw rotation axes

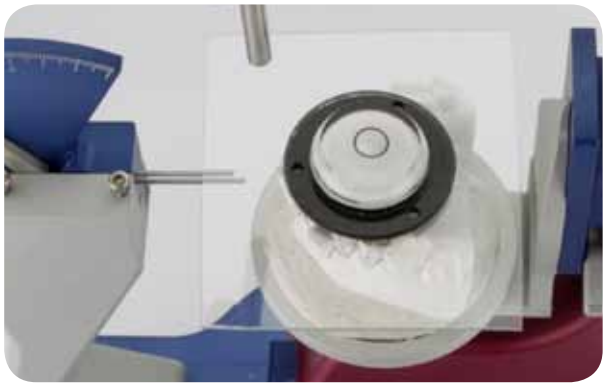


05 Fix model on the ABP

06 Occlusal Plane leveling with transparent plate and level



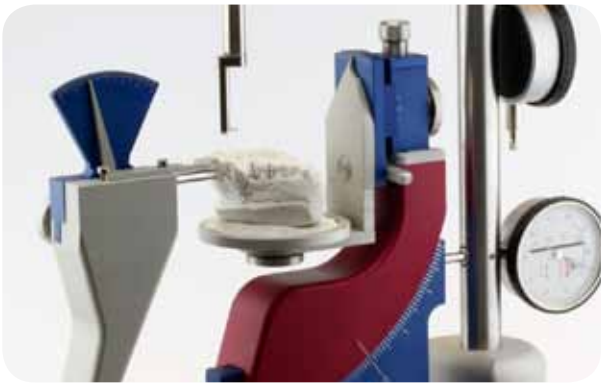
07 With horizontal occlusal plane, adapt the positioner to the dental axis



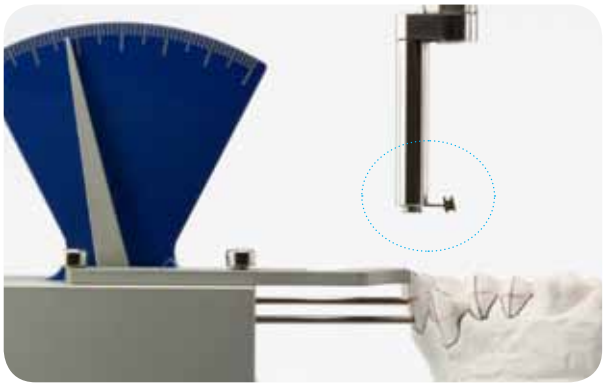
08 Occlusal Plane leveling with transparent plate and level with bubble in center

09 Measuring the torque and the tipping/angulation

10 Measuring the tipping/angualtion



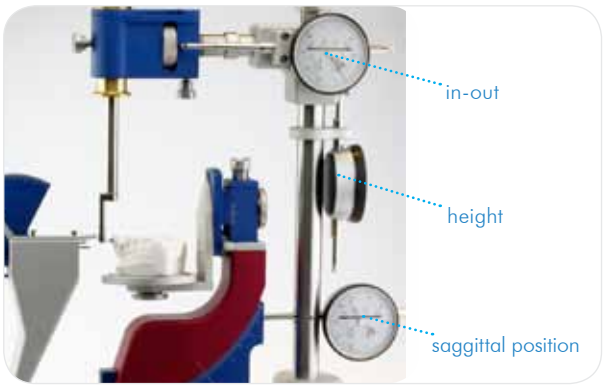
11 Adapt the torque and angulation position and the height gauge



12 Fixing the bracket in the bracket holder

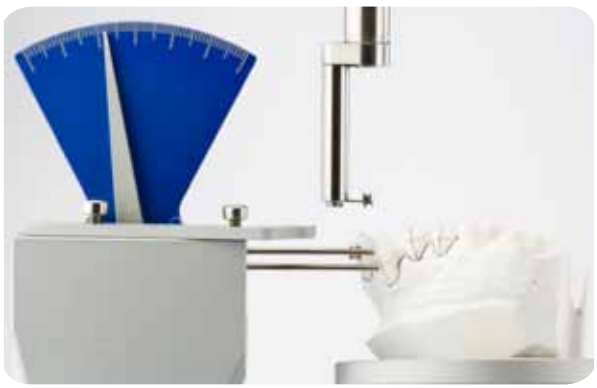
13 Move backward the torque and tip positioner

14 Adapt the bracket to the dental labial surface



15 Bond the bracket with composite and take note of the height and the in-out

16 Measure sagittal position of the model



17 Position the lateral incisor with correct torque

18 Position the lateral incisor with correct tip/angulation

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19 Position the lateral incisor with correct height

20 Bond the lateral incisor bracket

21 Measure in-out

22 Repeat step 01-21 until all brackets are bonded

Snapshot - lingual setup

You can easily transfer your familiar vestibular prescription e.g. ROTH or MBT, directly onto the lingual surface or create your own prescription - the **ABP™** allows full and precise control of treatment without the need to make an ideal set-up model.

01 Draw the facial axes and FA point

02 Draw the rotation axes

03 Fix the torque

04 Fix the torque and the tip/angulation

05 Fix the angulation

06 Fix the height

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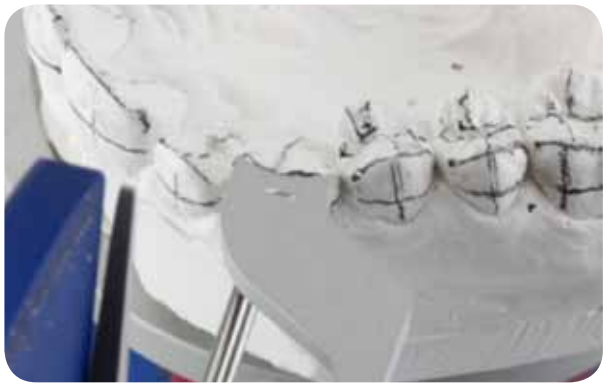
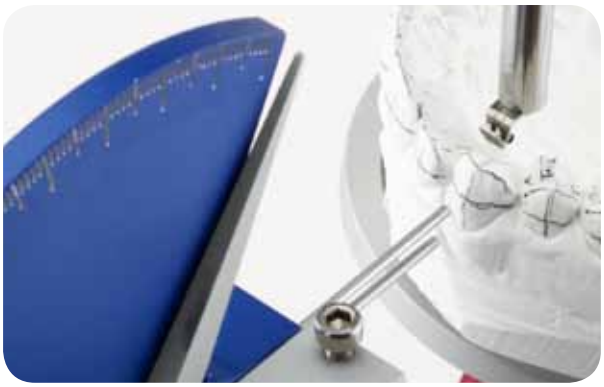


07 Fix the rotation

08 Place the bracket in the bracket holder (can be adjusted to any size)



09 Get the bracket as close as possible to the tooth

10 Adapt the bracket to the tooth

11 Measure the sagittal position of the model

12 Bond the bracket to the model with composite

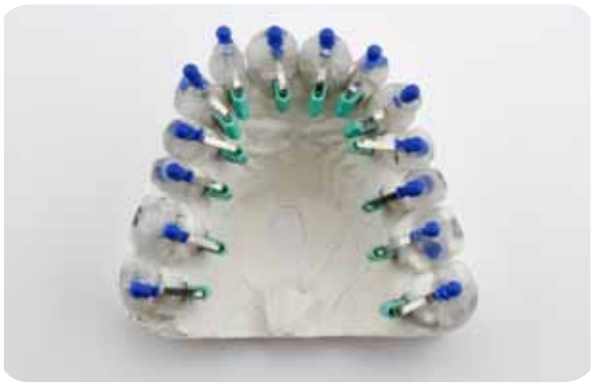
13 Measure the height

14 Cuspid to cuspid brackets should all be bonded at the same height and in-out position

15 Position the 1st bicuspid

16 Bond the 1st bicuspid

17 Repeat until all brackets are bonded



18 Create indirect transfer trays

19 Create double silicon transfer tray

20 Bonding using silicon tray

21 Or bond tray individually

22 Finish

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