**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 kind of prescription.

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

![Vestibular working-time is approx - 30 minutes per full arch.](image)

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

![Lingual working-time is approx- 45 minutes per full arch.](image)

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

*Bringing German Engineering to Orthodontics*
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.

01 Draw the facial axes
02 Draw FA point
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/angulation
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.
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
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
11

Torque and tip positioner. Torque fixing screw

All the brackets, bonded.

Position the 1st bicuspid

16 Bond the 1st bicuspid

Repeat until all brackets are bonded

18 Create indirect transfer trays

Create double silicon transfer tray

19 Bonding using silicon tray

Or bond tray individually

20 Finish