



**Apex Dental Milling margin settings for open format scanners and software**

Basic machine parameters for milling system:

- STL file format
- 0.5mm (500 microns) standard wall thickness
- Drill Compensation, Diameter = 1.1 mm or Radius = 0.55 mm
- Enforce Drill Compensation in CAD Software

**3Shape:**

- Margin line offset = 0.15 mm
- Offset angle = 75
- Extension offset = 0.10 mm

**Dental Wings:**

- Margin thickness = 0.15 mm
- Emergence angle = 75

**ApexCAD/exocad:**

- Horizontal crown margin = 0.15 mm
- Angle = 75
- Angled crown margin = 0.10 mm

**Evisra / Cynovad:**

- Delta R value = 150
- Cervical angle = 75

**Delcam DentCAD**

- Finishing margin thickness = 0.150

**Cadent Itero**

- Export to 3Shape file format

**Cement Gap:**

- 0.02 mm Cement Gap
- 0.07 mm Extra Cement Gap (Total cement gap of 0.09)
- 0.01 / 0.05 Cement Gap over implant abutments
- Additional 0.01 mm Extra Cement Gap for large span bridge abutments

