

PORCELAIN MARGIN PREPARATION GUIDE

For Porcelain Fused To Metal Crowns

The **Porcelain Margin** can be an integral part of a premium restoration, maximizing esthetics and oral health. The porcelain margin helps avoid metal visibility, tissue discoloration and possible over-building of the gingiva.

PREPARATION NOTES

- Where a porcelain margin is desired, the crown preparation must be either a 90 degree shoulder (preferred) or a deep chamfer (Figs.1 & 2).
- All preparations should be smooth and display no sharp line angles.
- As in all other fixed prosthodontic procedures, any undercuts must be blocked out on the die.
- Axial reduction should be a minimum of 1.3 - 1.5 mm for porcelain (0.5 mm for metal lingual). (Fig. 3)
- For porcelain margins; beveled margins, knife-edge margins, feather-edge margins, slice preparations and light chamfers should be avoided.
- All margins must be clean and well recorded in the impression so that all margins on the dies are clearly visible.

