Darby Dental Laboratory Supply Company, Inc. is proud to introduce CZR PRESS, North America’s first and only PRESS-TO-ZIRCONIA system. An innovative breakthrough in ceramic technology and the newest member of the Noritake family of porcelains. How do you improve perfection? PRESS it!

CZR PRESS technology consists of the marriage of two time-proven technologies, oxide ceramics and pressable ceramics. This synergy combines the strength, fracture toughness and cementability of pure zirconium oxide copings with the marginal integrity, versatility and beauty of pressable ceramics. The result...simply imPRESSive!

Features & Benefits >>

• CZR PRESS is indicated for use in fabricating single unit crowns and bridges in the anterior and posterior regions.

• Zirconium Oxide copings used in CZR PRESS exhibit exceptional fracture toughness, and possess a flexural strength in excess of 1000 MPa.

• CZR PRESS may be used with any manufacturer’s pure zirconia framework.

• Unlike traditional metal frameworks, Zirconium Oxide frameworks used in CZR PRESS facilitate light transmission into the root and papillae area, thus creating a natural, vital-looking smile.

• CZR PRESS offers 20 shades of fluorescent ingots, each in 2 translucencies:
  • L Ingots – for use when utilizing the “Layering Method”
  • H Ingots – for use when utilizing the “Staining Method”

• Noritake CZR Layering Porcelain perfectly complements CZR PRESS to provide unsurpassed esthetic results.

• CZR PRESS may be conventionally cemented using low expansion resin cements, thus saving valuable chairtime.
The CZR PRESS process consists of the following 6 easy steps >>

1) Prepare any pure zirconium-oxide framework as follows:
   • Thin framework as necessary (0.4mm minimum thickness)
   • Sandblast framework using 50Q aluminum oxide @ 25 psi & ultrasonic clean.
   • Weigh framework and record to determine number of ingots.

2) Apply 2 coats of CZR Shade Base Stain to produce the foundation shade.
   Note: Mix ILS (Internal Live Stain) liquid with Shade Base Stain to the consistency of maple syrup. Do not mix with water or other liquids!

3) Seat framework on die and wax the restoration as appropriate for the “lay- ering or staining method.”

4) Sprue, invest and press according to Noritake’s recommendations in any manufacturer’s Press Furnace.

5) Divest, cut off sprues and reduce and cut-back pressable material respective to chosen technique (i.e. “staining or layering method.”)

6) Complete the functional build-up using Noritake CZR ILS (Internal Live Stain) and Luster Opal Enamels, characterize with ES (External Stain) and apply glaze if using the “Staining Method.”

Noritake CZR PRESS is exclusively distributed by Darby Dental Laboratory Supply Company, Inc.