CoJet™ System
Intraoral Repair and Surface Pre-treatment

Reliable pretreatment and repair that creates strong bonds.

Summary of advantages
- Ideal for pre-treatment of resin nano ceramics, ceramics, composites, all porcelain-fused-to-metals, alumina and zirconia
- Excellent choice for intraoral repair and extraoral surface conditioning
- Highly esthetic repair of resin nano ceramic, ceramic or composite restorations
- Economical alternative to replacing the restoration
- Repairs can be made in one session
- Forms a micro-mechanical and a chemical bond with resin nano ceramics, ceramics and alloys

The CoJet System delivers consistent high bond strength for:

Intraoral repair of composites, resin nano ceramics, ceramics and alloy surface of indirect and direct restorations, as well as;

Extraoral pre-treatment of inlays/onlays, veneers, crowns and bridges, and pins and posts for adhesive luting.

Blasting with the CoJet system embeds a ceramic layer on the restoration surface, producing dramatically enhanced bond strengths. Embedded ceramic layer enables silane coupling with composite for a true chemical bond with ceramics, resin nano ceramics, composites and alloy surfaces.

This innovative system allows for highly esthetic chairside repairs of direct and indirect restorations, providing an economical alternative to replacing the restoration. Plus, repairs can be made in one session.
How Tribochemical coating with the CoJet™ System works.

Bond Strength to Cements after Abrasion and/or Silica-coating (CoJet)

<table>
<thead>
<tr>
<th>Shear Bond Strength (MPa)</th>
<th>No treatment</th>
<th>Sandblasting (50 µm)</th>
<th>Sandblasting (110 µm)</th>
<th>CoJet™ (30 µm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
<td>5</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Results from the study show that CoJet and silanization achieved the highest shear bond strength.


“I highly recommend CoJet because it’s versatile, durable, and easy to use — even inside the oral cavity. CoJet’s excellent bond strength to metal-oxide ceramics and metal-alloys is proven in numerous studies. CoJet is ideal when composite resins are bonded to metal-oxide ceramics and metal, or when composite resin luting agents are used for final cementation of such restorations.”

Markus B. Blatz, DMD, PhD, Professor of Restorative Dentistry, University of Pennsylvania

Ordering Information

The CoJet System delivers consistent high bond strength in repairs of resin nano ceramic, metal, ceramic and composite surfaces of defective indirect restorations.

3M ESPE offers an excellent system for both intraoral repair and extraoral pre-treatment: CoJet Adhesive Repair System, the CoJet Sand, the coating medium for cold silicatization of the restoration surface; 3M™ ESPE™ Sil, the silane coupling agent for silicated surfaces; Sinfony™ Opaquer for masking exposed metal surfaces; and Visio™ Bond, the bonding agent for use with the restorative or veneering composite of your choice.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Product Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>68421</td>
<td>CoJet™ System Intro Kit</td>
</tr>
<tr>
<td>68411</td>
<td>3 – 40g Bottles CoJet™ Sand</td>
</tr>
<tr>
<td>68300</td>
<td>1 – 8ml Bottle 3M™ ESPE™ Sil Primer</td>
</tr>
</tbody>
</table>

Call 1-800-634-2249 or visit www.3MESPE.com