Henkel’s Solutions
for Touch Panels & Displays
Through close customer partnership, industry know-how and engineering support, we enable innovative design for touch panels and displays.

**YOUR TOTAL SOLUTION PROVIDER FOR ADHESIVES AND SEALANTS.**

Through close customer partnership, industry know-how and engineering support, we enable innovative design for touch panels and displays.

**Customer Intimacy**
Through close collaboration and intimate knowledge of customer applications and processes, Henkel creates exciting solutions that enable innovation.

**Engineering Support**
With unsurpassed development, engineering and field support – Henkel provides the expertise to empower customers to improve quality, efficiency and innovation.

**Innovation Leader**
As the innovation leader in sealing, bonding and coating – Henkel delivers solutions to meet fast design changes and developmental challenges.

**Design Partnership**
Our experienced team of engineers provide documented design and application support.

**Global Capabilities**
We are the global technology leader with an extensive network to support the customers’ value stream.

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**Achieving more with less**
Our commitment to leadership in sustainability is deeply embedded in our values. With our revised Sustainability Strategy for 2030, we are building on our strong track record. At the same time, we are aiming to address one of the central future challenges: to decouple growth from resource consumption. At the heart of this strategy is therefore the simple, yet challenging, ambition: to achieve more with less. It aims to create more value for our customers, consumers, communities and the company alike, while simultaneously reducing the environmental footprint.
Henkel. Improving your process, understanding your challenges.

Proven touch panel and display total solutions for all your needs – today and tomorrow.

Touch panel and display device manufacturers face daily challenges – reducing costs, improving efficiency, and staying ahead of the competition, to name just a few. Many suppliers can offer an adhesive. But Henkel offers much more: engineering expertise to integrate the adhesives into your manufacturing process; custom-formulated products to meet your specific application requirements; and the innovation pipeline to offer you a continuous stream of new and creative solutions.

Henkel is in the business of solving problems. With our history and experience in the industry, our experts can help find ways to improve your touch panel and display device process. We can show you how to reduce your adhesive consumption while improving performance and efficiency. And we’ll provide all the testing data to back up our recommendations.
Benefits of Functional Sealants

**Light Shielding Sealant**
- High bonding strength on glass/polarizer/stainless steel
- Fast cure after dispensing/jetting
- No permeation to back light unit during curing
- Easy for dispensing or jetting
- Excellent light shielding performance at 0.15 mm thickness

**Glass Edge Protection**
- Protect glass edge from handling issues
- Improve surface and side impact performance of the glass
- Simplify manufacturing process

**Liquid Assembly Tape**
- Ultra-fast fixture strength to eliminate clamping process
- Good re-workability
- Compatible with automation process
- Reduced total cost of ownership

**Water-proof Sealant**
- Good barrier performance against moisture
- Excellent reliability
- Good adhesion strength
- Fast cure

Benefits of Overcoat Materials

**Indium Tin Oxide (ITO) Overcoat**
- Good re-workability
- Excellent protection to ITO against moisture
- Compatible with various dispensing methods
- Compatible with LED UV curing

**Flexible Printed Circuit (FPC) Reinforcement**
- Provide excellent mechanical protection
- Good dispensing performance
- Excellent barrier performance against moisture
Benefits of Temporary Bonding

- High-temperature resistance
- Easy to debond
- Improved yield rate

Benefits of Liquid Optically Clear Adhesive (LOCA)

- Simple, low-cost process
- Vacuum reduces potential for bubbles
- 5 – 10% thickness uniformity
- ≤ 0.25 mm edge control
- Minimizes MURA

Benefits of Display Inks

**Fine Line Ink**
- Excellent fine-line and high-resolution printing
- Printability: 70 µm lines and spaces attainable
- Excellent adhesion to sputtered ITO and PET
- Good electrical conductivity

**Metal Mesh Ink**
- Good adhesion
- Excellent conductivity
- Enable a more flexible and more conductive transparent film compared to those using ITO

**Black Ink**
- Good compatibility to metal mesh ink
- Decrease reflection of silver ink effectively

**Ag Nanowire Ink**
- Excellent optical performance with high transmittance
- Low sheet resistance
- Excellent conductivity
- Compatible with various printing methods

**Transparent Protective Ink**
- Suitable for flatbed and rotary screen printing
- Excellent printability and open screen time
- Good adhesion to treated polyester film
- Improved UV stability

Benefits of Temporary Bonding

- High-temperature resistance
- Easy to debond
- Improved yield rate
OLED Solutions

Benefits of OLED Sealant
- Good barrier against moisture and oxygen
- Good adhesion performance
- Low outgassing
- Fast curing at lower UV energy
- Good dispensing performance

Benefits of OLED Anisotropic Conductive Film (ACF) / Flexible Printed Circuit (FPC) Reinforcement
- Good adhesion to PI
- Good flexibility
- Compatible with various dispensing methods
- Compatible with LED UV curing

Benefits of Interconnect Materials
- High elongation and low modulus for stress release
- Good conductivity
- Good dispensing performance
COVER LENS

OLED DISPLAY
- Interconnect Material
- OLED Sealant
- ACF/FPC Reinforcement

THIN FILM TRANSISTOR (TFT)
Cleaner Solutions for LCD & OLED Panels

Manufacturing Process

COLOR FILTER PHOTO FABRICATION PROCESS
- Resist Coating
- Expose
- Remove Edge
- Develop
- Post-Bake

REWORK PROCESS
- Clean Glass
- Color Filter
- Base Glass
- Clean Glass
- Remove Rework
- Defective Product
Benefits of LCD Cleaners

**Glass Cleaner**
- Strong cleaning ability
- Easily cleaned with de-ionized (DI) water
- No damage to the glass or metal

**Color Filter Developer**
- Excellent performance on fine pitch patterning process
- Universal formulation with strong compatibility to most photo resists
- Outstanding anti-corrosion performance to protect metals (Al, Cu…)
- High concentration
- Production efficiency

**Rework Stripper**
- Applicable to all kinds of color filter, black matrix and overcoat materials
- Reduced total cost of ownership based on short cleaning process time and long bath life
- Low damage to glass
# Product Selector Guide

## FUNCTIONAL SEALANT

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Curing Condition</th>
<th>Typical Application</th>
<th>Appearance</th>
<th>Chemistry</th>
<th>Viscosity (Pa·s)</th>
<th>Application Temperature</th>
<th>Open Time</th>
<th>Light Transmittance</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE HHD 3573</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>453</td>
<td>90–110°C</td>
<td>3 min.</td>
<td>0.1</td>
</tr>
<tr>
<td>LOCTITE HHD 3574</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>6.5</td>
<td>90–110°C</td>
<td>1 min.</td>
<td>0.04</td>
</tr>
<tr>
<td>LOCTITE HHD 3579</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>6.3</td>
<td>90–110°C</td>
<td>2 min.</td>
<td>0.15</td>
</tr>
<tr>
<td>LOCTITE HHD 3597</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>5.7</td>
<td>90–110°C</td>
<td>1.5 min.</td>
<td>0.05</td>
</tr>
<tr>
<td>LOCTITE LAT 3990</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Liquid assembly tape</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>5.6</td>
<td>160–180°C</td>
<td>4 min.</td>
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</table>

## OLED SEALANT

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Curing Condition</th>
<th>Typical Application</th>
<th>Appearance</th>
<th>Chemistry</th>
<th>Viscosity (Pa·s)</th>
<th>Application Temperature</th>
<th>Water Permeability (g·mil/100 in²·day)</th>
<th>Die Shear Strength @ RT, 4 x 4 mm glass/glass (kgf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE ECOBOND DS 8027UV</td>
<td>UV &amp; Heat Cure</td>
<td>2400 J/cm²</td>
<td>Edge reinforcement for LCM</td>
<td>Transparent</td>
<td>Acrylic</td>
<td>11</td>
<td>260</td>
<td>51 Shore A</td>
<td>1.5</td>
</tr>
<tr>
<td>LOCTITE HHD 3574</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>6.5</td>
<td>90–110°C</td>
<td>1 min.</td>
<td>0.04</td>
</tr>
<tr>
<td>LOCTITE HHD 3579</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>6.3</td>
<td>90–110°C</td>
<td>2 min.</td>
<td>0.15</td>
</tr>
<tr>
<td>LOCTITE HHD 3597</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Light shielding</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
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<td>90–110°C</td>
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<td>0.05</td>
</tr>
<tr>
<td>LOCTITE LAT 3990</td>
<td>Self-cure</td>
<td>Room Temperature</td>
<td>Liquid assembly tape</td>
<td>Black</td>
<td>Polyurethane Hotmelt</td>
<td>5.6</td>
<td>160–180°C</td>
<td>4 min.</td>
<td>-</td>
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</table>

## DISPLAY INK

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Curing Condition</th>
<th>Typical Application</th>
<th>Solid Content, TGA (%)</th>
<th>Thixotropic Index</th>
<th>Viscosity (Pa·s)</th>
<th>Sheet Resistance (Ω/mil)</th>
<th>Electrical Resistance (mΩ/m/mil)</th>
<th>Haze</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE ECI 1006</td>
<td>Heat cure</td>
<td>10 min. @ 130°C</td>
<td>Fine line ink</td>
<td>75</td>
<td>72</td>
<td>57</td>
<td>0.03</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LOCTITE ECI 1006</td>
<td>Heat cure</td>
<td>3 min. @ 85°C +5 min. @ 140°C</td>
<td>Ag nanowire ink</td>
<td>3</td>
<td>-</td>
<td>0.23</td>
<td>&lt; 100</td>
<td>-</td>
<td>9%</td>
</tr>
<tr>
<td>LOCTITE ECI 1006</td>
<td>Heat cure</td>
<td>10 min. @ 130°C</td>
<td>Metal mesh Ag nano ink</td>
<td>76</td>
<td>1.6</td>
<td>2</td>
<td>&lt; 0.005</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LOCTITE ECI 1006</td>
<td>Heat cure</td>
<td>5 min. @ 130°C</td>
<td>Transparent protective ink</td>
<td>-</td>
<td>-</td>
<td>0.45</td>
<td>-</td>
<td>-</td>
<td>0.03%</td>
</tr>
<tr>
<td>LOCTITE ECI 1006</td>
<td>Heat cure</td>
<td>30 min. @ 130°C</td>
<td>Metal mesh black masking ink</td>
<td>38</td>
<td>2</td>
<td>4</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>
### OVERCOAT MATERIAL

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Full Cure Energy (mJ/cm²)</th>
<th>Typical Application</th>
<th>Appearance</th>
<th>Tg by DMA (°C)</th>
<th>Viscosity (Pa·s)</th>
<th>Shelf Life</th>
<th>Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE ECCOBOND DS 3318</td>
<td>UV LED cure</td>
<td>350</td>
<td>Chip on Flex</td>
<td>Blue</td>
<td>86</td>
<td>2.25</td>
<td>6 months</td>
<td>Pass</td>
</tr>
<tr>
<td>LOCTITE ECCOBOND DS 3318BK</td>
<td>UV light or UV LED cure</td>
<td>425/350</td>
<td>Chip on Flex</td>
<td>Black</td>
<td>75</td>
<td>1.75</td>
<td>6 months</td>
<td>Pass</td>
</tr>
<tr>
<td>LOCTITE ECCOBOND DS 3318BLX</td>
<td>UV LED cure</td>
<td>&gt; 1,000</td>
<td>Chip on Glass</td>
<td>Blue</td>
<td>68</td>
<td>2.05</td>
<td>6 months</td>
<td>Pass</td>
</tr>
<tr>
<td>LOCTITE ECCOBOND DS 3318BLVT</td>
<td>Mercury Lamp</td>
<td>FPC reinforcement</td>
<td>Transparent</td>
<td>64</td>
<td>0.97</td>
<td>12 months</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>LOCTITE ECCOBOND DS 3318LV</td>
<td>Mercury Lamp</td>
<td>Chip on Glass</td>
<td>Transparent</td>
<td>96</td>
<td>0.14</td>
<td>6 months</td>
<td>Pass</td>
<td></td>
</tr>
</tbody>
</table>

### INTERCONNECT MATERIAL

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Curing Condition</th>
<th>Typical Application</th>
<th>Thixotropic Index</th>
<th>Volume Resistivity (ohms-cm)</th>
<th>Viscosity (Pa·s)</th>
<th>Elongation</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE ICP 4015</td>
<td>Heat Cure</td>
<td>30 min. @ 80°C</td>
<td>Display grounding</td>
<td>2.5</td>
<td>0.0001</td>
<td>22</td>
<td>&gt; 100%</td>
<td>85%</td>
</tr>
</tbody>
</table>

### CLEANER

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Recommended Working Temp</th>
<th>Recommended Dilution Rate</th>
<th>Typical Application</th>
<th>PH Value Undiluted @ 25°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>BONDERITE C-AK TRA</td>
<td>35 — 45°C</td>
<td>1 — 5 %</td>
<td>Glass cleaner</td>
<td>&gt; 12</td>
</tr>
<tr>
<td>BONDERITE C-AK HAC</td>
<td>Room Temperature</td>
<td>0.5</td>
<td>RGB / Black Matrix / Photo Spacer color filter developer</td>
<td>&gt; 12.5</td>
</tr>
<tr>
<td>BONDERITE C-AK 930</td>
<td>65 — 75°C</td>
<td>No Dilution</td>
<td>Rework stripper on RGB / Black Matrix UV/Heat cure overcoat / Photo Spacer</td>
<td>&gt; 12</td>
</tr>
</tbody>
</table>

### TEMPORARY BONDING

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Curing Type</th>
<th>Full Cure Energy (mJ/cm²)</th>
<th>Typical Application</th>
<th>Shear Modulus, G (kPa)</th>
<th>Chemistry</th>
<th>Viscosity (Pa·s)</th>
<th>Elongation (%)</th>
<th>Hardness</th>
<th>Haze (%)</th>
<th>Refractive Index</th>
<th>Transmittance, average 380 — 780 nm</th>
<th>Volume Shrinkage (%)</th>
<th>Adhesion glass to glass, (ultra)</th>
<th>Yellowness (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCTITE DSP 1714</td>
<td>UV</td>
<td>8,000</td>
<td>Temporary bonding</td>
<td>230</td>
<td>Acrylate</td>
<td>3.1 — 5</td>
<td>100</td>
<td>64 Shore</td>
<td>0.19</td>
<td>1.5</td>
<td>&gt; 98%</td>
<td>1.95</td>
<td>0.9</td>
<td>0.46</td>
</tr>
<tr>
<td>LOCTITE DSP 1715</td>
<td>UV</td>
<td>8,000</td>
<td>Temporary bonding</td>
<td>265</td>
<td>Acrylate</td>
<td>10.5 — 15.5</td>
<td>100</td>
<td>68 Shore</td>
<td>0.27</td>
<td>1.5</td>
<td>&gt; 98%</td>
<td>1.75</td>
<td>1.2</td>
<td>0.48</td>
</tr>
</tbody>
</table>
## LIQUID OPTICALLY CLEAR ADHESIVE (LOCA)

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>DIRECT BONDING LOCA</th>
<th>PSA DIRECT BONDING LOCA</th>
<th>HIGH VISCOSITY LOCA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LOCTITE DSP 3195DM</td>
<td>LOCTITE DSP 3196</td>
<td>LOCTITE DSP 3803</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Acrylic</td>
<td>Acrylic</td>
<td>Acrylic</td>
</tr>
<tr>
<td>Curing Method</td>
<td>UV</td>
<td>UV</td>
<td>UV</td>
</tr>
<tr>
<td>Full Cure Energy (mJ/cm²)</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Viscosity (Pa·s)</td>
<td>35</td>
<td>3.7</td>
<td>8.5</td>
</tr>
<tr>
<td>Hardness</td>
<td>60 Shore ∞</td>
<td>11 Shore ∞</td>
<td>6 Shore ∞</td>
</tr>
<tr>
<td>Shear Modulus, G (kPa)</td>
<td>166</td>
<td>17</td>
<td>-</td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>165</td>
<td>235</td>
<td>600</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.52</td>
<td>1.52</td>
<td>1.47</td>
</tr>
<tr>
<td>Transmittance (%)</td>
<td>&gt; 99</td>
<td>&gt; 99</td>
<td>&gt; 98</td>
</tr>
<tr>
<td>Volume Shrinkage (%)</td>
<td>1.3</td>
<td>1.4</td>
<td>3.7</td>
</tr>
<tr>
<td>Adhesion</td>
<td>0.9</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Glass to Glass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass to Polarizer, Nitto Denko AG 254 μm gap (MPa)</td>
<td>1</td>
<td>0.37</td>
<td>-</td>
</tr>
<tr>
<td>Glass to Polarizer, LG Bare 254 μm gap (MPa)</td>
<td>0.9</td>
<td>0.21</td>
<td>-</td>
</tr>
<tr>
<td>Yellowness (b⁺)</td>
<td>0.5</td>
<td>0.18</td>
<td>&lt; 0.5</td>
</tr>
<tr>
<td>Haze (%)</td>
<td>0.24</td>
<td>0.1</td>
<td>&lt; 0.5</td>
</tr>
<tr>
<td>Dielectric Constant, 1 MHz</td>
<td>2.59</td>
<td>2.67</td>
<td>5.04</td>
</tr>
</tbody>
</table>
### SILICONE LOCA

<table>
<thead>
<tr>
<th></th>
<th>LOCTITE DSP 5191</th>
<th>LOCTITE DSP 5192</th>
<th>LOCTITE DSP 5192DM</th>
<th>LOCTITE DSP 5193</th>
<th>LOCTITE DSP 5195</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>Silicone</td>
<td>Silicone</td>
<td>Silicone</td>
<td>Silicone</td>
<td>Silicone</td>
</tr>
<tr>
<td>Curing Method</td>
<td>UV</td>
<td>UV</td>
<td>UV/Moisture</td>
<td>UV/Moisture</td>
<td>UV</td>
</tr>
<tr>
<td>Full Cure Energy (mJ/cm²)</td>
<td>3,000</td>
<td>8,000</td>
<td>5,000</td>
<td>3,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Viscosity (Pa·s)</td>
<td>35</td>
<td>3.7</td>
<td>8.5</td>
<td>50</td>
<td>2.7</td>
</tr>
<tr>
<td>Hardness</td>
<td>60 Shore ∞</td>
<td>65 Shore ∞</td>
<td>42 Shore ∞</td>
<td>70 Shore ∞</td>
<td>32 Shore ∞</td>
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<tr>
<td>Shear Modulus, G (kPa)</td>
<td>166</td>
<td>17</td>
<td>-</td>
<td>319</td>
<td>70</td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>165</td>
<td>235</td>
<td>600</td>
<td>400</td>
<td>&gt; 200</td>
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<tr>
<td>Refractive Index</td>
<td>1.52</td>
<td>1.52</td>
<td>1.47</td>
<td>1.48</td>
<td>1.41</td>
</tr>
<tr>
<td>Transmittance (%)</td>
<td>&gt; 99</td>
<td>&gt; 99</td>
<td>&gt; 98</td>
<td>&gt; 99</td>
<td>&gt; 99</td>
</tr>
<tr>
<td>Volume Shrinkage (%)</td>
<td>1.3</td>
<td>1.4</td>
<td>3.7</td>
<td>0.9</td>
<td>&lt; 0.5</td>
</tr>
<tr>
<td>Adhesion</td>
<td>Glass to Glass</td>
<td>0.9</td>
<td>1</td>
<td>0.3</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>Glass to Polarizer, Nitto Denko AG 254 μm gap (MPa)</td>
<td>0.37</td>
<td>0.17</td>
<td>0.59</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>Glass to Polarizer, LG Bare 254 μm gap (MPa)</td>
<td>0.21</td>
<td>0.23</td>
<td>0.63</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>Yellowness (b*)</td>
<td>&lt; 0.5</td>
<td>0.15</td>
<td>0.07</td>
<td>0.18</td>
</tr>
<tr>
<td></td>
<td>Haze (%)</td>
<td>&lt; 0.5</td>
<td>0.2</td>
<td>0.2</td>
<td>0.3</td>
</tr>
<tr>
<td></td>
<td>Dielectric Constant, 1 MHz</td>
<td>2.59</td>
<td>2.67</td>
<td>5.04</td>
<td>2.82</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>
Henkel Display Centers

Henkel has invested in its own Display center and technical sites in key locations such as China, Taiwan, Korea and Japan to offer our customers access to rapid prototyping support and advanced product and process development in the Display industry. These facilities have been outfitted with state of the art equipment for assembling and testing displays, such as lamination machines, curing ovens and MURA detection machines. Henkel has the ability to assemble display sizes up to 65 inches with liquid optically clear adhesives (LOCA) using a wide range of lamination techniques.

Equipment Partners

The LOCA lamination process and equipment will have a large impact on the final quality, manufacturability and cost of the display. While Henkel has unparalleled expertise in fluid handling and light curing equipment, Henkel does not design or supply lamination equipment. To provide best-in-class process support for our LOCA product line, Henkel has formally partnered with three leading LOCA lamination equipment manufacturers.

Equipment Partner Operating Model

With each of our equipment partners, Henkel has purchased one or more mass production representative laminators. The laminating equipment is either located in a Henkel dedicated space at the partner’s facility or in a Henkel lab. Henkel has also funded a technician from our partner’s team to operate the equipment for Henkel. By locating the equipment in the partner’s facility and hiring an expert from the partner’s team to operate the equipment, it ensures that Henkel’s equipment has the maximum capability, productivity and availability as well as the fastest turnaround time when custom tooling is required to create prototype parts.

As our partners develop new innovations, Henkel will invest to ensure that our equipment maintains best-in-class capabilities.
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