2K Control Systems
For Finishing Operations
This guide provides an overview of 2K control systems currently available from the CFT™ family of product line brands; including Ransburg® and Binks® products made to deliver efficient, reliable control for multi-component material systems.

The CFT™ brand offers exceptional equipment, reliable resources and straightforward processes in the finishing industry. CFT™ 2K control systems provide a large range of options with a singular goal:

**The precise, on-demand mixing, metering and application of paints, coatings and applied materials featuring two to four components.**

These versatile electronic controllers are designed to deliver fine finishes on metal, wood, plastic and other non-ceramic substrates in a wide range of applications. They enable customizable, configurable manual and automatic systems that combine quality, ease and simplicity.

We strive to provide the right answer for every application. Tell us your needs and, together, we can determine the best, most straightforward finishing solution.
### Automotive OEM Tier 1, 2 and Industrial Applications
- 2-component formulations
- Electrostatic spray
- “Class A” finishes
- Up to 10 colors
- Fast color changes
- Controls up to 4 fluid panels
- Fast trigger response
- Ethernet/IP capabilities
- Low maintenance

### Automotive OEM Tier 1, 2 and Industrial Applications
- 2- or 3-component formulations
- Electrostatic spray
- “Class A” finishes
- Up to 10 colors
- True closed-loop control
- Multiple flow meter options
- Controls up to 4 fluid panels
- High pressure capabilities
- Ethernet/IP capabilities

### Automotive OEM Tier 1, 2, Industrial and Woodworking Applications
- 2- or 3-component formulations
- Electrostatic spray
- “Class A” finishes
- Up to 10 colors
- True closed loop, 3-channel control
- Multiple flow meter options
- High pressure capabilities
- Ethernet/IP capabilities

### Industrial, Heavy-Duty Vehicle, Equipment, Machinery, Aerospace, Aviation, Appliance, Electronics, Woodworking, Plastic Component, Leather Goods, Footwear, Sporting Goods, Automotive OEM Tier 1, 2 Applications
- 2-3- or 4-component formulations
- Conventional spray
- Up to 29 colors
- Multiple flow meter options
- Optional high-pressure capabilities
- Ethernet/IP capabilities

### Industrial, Heavy-Duty Vehicle, Equipment, Machinery, Aerospace, Aviation, Woodworking, Plastic Component, Sporting Goods, Non-OEM Automotive Applications
- 2-component formulations
- Conventional spray
- Up to 5 colors
- Wide viscosity range
- Fast trigger response
- Optional high-pressure capabilities
- Ethernet/IP capabilities
- Best data acquisition

---

(1) Total of 32 valves available. Allocating one for color, one for catalyst and two for solvents leaves 28 valves available for additional colors or catalysts – with a maximum potential of 29 colors.
<table>
<thead>
<tr>
<th>Physical Data</th>
<th>Screen Dimensions</th>
<th>Power Requirements</th>
<th>Air Requirements</th>
<th>Viscosity Range</th>
<th>Maximum Fluid Temperature</th>
<th>Maximum Fluid Pressure</th>
<th>Mixing Method</th>
<th>Key Features</th>
<th>Media Flow</th>
<th>Standard Features</th>
<th>Flow Rate Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>12” x 9”</strong></td>
<td>120 / 240 VAC @ 10A / 5A, 50 / 60 Hz</td>
<td>90 - 100 psi</td>
<td>20 - 1,000 cPs</td>
<td>180°F (82.2°C)</td>
<td>200 psi (13 bar)</td>
<td>Gear Pump</td>
<td>YES</td>
<td>YES - 4 panels</td>
<td>NO</td>
<td>NO</td>
<td>2</td>
</tr>
<tr>
<td><strong>12” x 9”</strong></td>
<td>120 / 240 VAC @ 2A, 50 / 60 Hz</td>
<td>90 - 100 psi</td>
<td>10 - 1,200 cPs</td>
<td>180°F (82.2°C)</td>
<td>3,000 psi (206 bar)</td>
<td>Dynamic</td>
<td>NO</td>
<td>YES - 4 panels</td>
<td>YES</td>
<td>NO</td>
<td>3</td>
</tr>
<tr>
<td><strong>5” x 4”</strong></td>
<td>120 / 240 VAC @ 2A, 50 / 60 Hz</td>
<td>90 - 100 psi</td>
<td>10 - 1,200 cPs</td>
<td>140°F (60°C)</td>
<td>3,000 psi (206 bar)</td>
<td>Dynamic</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>3</td>
</tr>
<tr>
<td><strong>6” x 3.5”</strong></td>
<td>100 - 240 VAC @ 1.5A, 50 - 60 Hz</td>
<td>87 - 116 psi</td>
<td>20 - 100 cPs</td>
<td>158°F (70°C)</td>
<td>580 psi / 3,626 psi / 5,800 psi (40 bar / 250 bar / 400 bar)</td>
<td>Dosing / Injection Valve</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td><strong>6” x 4”</strong></td>
<td>100 - 240 VAC, 50 - 60 Hz</td>
<td>75 - 105 psi</td>
<td>20 - 3,000 cPs</td>
<td>122°F (50°C)</td>
<td>250 psi / 1,000 psi (17 bar / 69 bar)</td>
<td>Dispense Pump</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

*Dynamic control | **Two guns per fluid panel | **Ransburg® DynaFlow and RansFlow available with gear, coriolis or piston flow meter. **Binks® MagicFlow 2 available with gear or coriolis. | **Programmable control | **Optional | **Total of 32 valves available. Allocating one for color, one for catalyst and two for solvents leaves 28 valves available for additional colors or catalysts – with a maximum potential of 29 colors. | **Up to 5,800 psi with optional packages | **Maximum 1,000 psi with GEMS 1000 model |

RIO = Remote Input / Output (I/O) | EIP = Ethernet/Industrial Protocol (IP) | Ransburg® and Binks® are registered trademarks of Carlisle Fluid Technologies, Inc. | Models and specifications subject to change without notice. All rights reserved.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1</td>
<td>199 / gun</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>_options</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(RIO or EIP)</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>99 / gun</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>_options</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(RIO)</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>99 / gun</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>options</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20(4)</td>
<td>3+</td>
<td>50 / gun</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>options</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Up to 5 colors with individual ratios per color</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>options</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The brands you trust

Carlisle Fluid Technologies, a wholly-owned subsidiary of Carlisle Companies, Inc., is dedicated to providing customers industry-leading solutions for the supply, control, application and curing of a wide range of paints, powders, sealants, adhesives and other application materials. From manual finishing equipment, to highly automated mass-production installations, the company solves customers’ material application challenges through the combination of product innovation and decades of technical expertise. Focused on efficient, cost-effective global solutions for the transportation and other industrial markets, the company offers an expanding collection of pioneering product brands — DeVilbiss®, Ransburg®, ms®, BGK®, Binks®, Hosco® and Ecco™. Today Carlisle Fluid Technologies provides innovative process solutions under the CFT™ brand platform for customers’ wide range of material application demands.

Let’s start a conversation

We want to work together to help answer your application challenges. To learn more about what we can offer, visit our website at CarlisleFT.com or call us today.