Modular and upgradable – an automatic and manual gun controller with configurable gun triggering for all powder applications.

Encore Enhance brings advanced control functionality to your automatic powder spray system. Whether it’s venturi, dense-phase or Tribomatic®, Encore Enhance is the right choice no matter what powder application technology you use. Developed to provide a full range of offerings, the Encore controller is sure to enhance your powder productivity.

Features and benefits

• New system functionality
  – Peer-to-Peer (P2P) communication between controller interfaces makes life simple with ‘one-touch’ triggering, recipe copy, recipe selection and color change
  – Configurable automatic triggering enables
    • P2P triggering and gun grouping
    • ‘No part, no spray’ identification
    • Remote PLC triggering
    • Simple triggering
  – Control robot applications to paint complex parts and hard to reach areas
  – Self-diagnostic fault codes take the guesswork out of troubleshooting
  – Maintenance timers provide advanced replacement part notification
  – Configure in SCFM or m³/hr
  – Customize and store up to 99 recipes for repeatable application accuracy

• Scalable – As your production requirements change, this controller can adapt with you. Easily add up to 10 modular automatic or manual gun controllers to your powder coating system in a single stack!*  

• Flexible – Convert your venturi application to dense-phase technology by simply adding Encore HD guns and pumps to your system

Electrostatic and pneumatic operating modes

• Patented Nordson Select Charge technology is pre-set for deep cavity, re-coating or metallic powder applications
• Custom electrostatic control gives flexibility to set kV and AFC independently
• Closed loop airflow control ensures powder flow consistency
• Smart Flow air pressure control adjusts powder output without affecting your spray velocity

*Maximum of 4 manual guns per stack
## Encore Enhance Controller - available system components

### Encore Enhance controller specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Weight (Controller)</th>
<th>Input air pressure</th>
<th>Supply air hose</th>
<th>Gun air (electrode air wash)</th>
<th>Air consumption per gun (typ)</th>
<th>Electrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 71.16 in (1807.5 mm)</td>
<td>Controller: 404 lbs (183 kg)</td>
<td>Min: 90 PSI (6.2 bar) Max: 110 PSI (7.6 bar)</td>
<td>16 mm tube</td>
<td>0.25 scfm (0.42 m³/hr) @ 100 psi (6.9 bar) input pressure</td>
<td></td>
<td>Input: 100-250 VAC, 1 phase, 50/60 Hz, 450 VA Max Output: +/- 19 VAC, +/- 1.0 A</td>
</tr>
<tr>
<td>Width: 24.61 in (625 mm)</td>
<td></td>
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<tr>
<td>Depth: 23.68 in (601.4 mm)</td>
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</tr>
</tbody>
</table>

**Single gun at 50% flow with 1.5 scfm (2.5 m³/hr) pattern air**

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**Encore Enhance controller specifications**

<table>
<thead>
<tr>
<th>Automatic spray guns</th>
<th>Encore Manual Guns</th>
<th>Photo eye</th>
<th>Encore HD pump</th>
<th>Encore Venturi Pump</th>
<th>NHR Series Fluidizing Hoppers</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image_url" alt="Automatic spray guns" /></td>
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Performance by design

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