C-188 Cobalt-60 Sources
The Gamma Source the World Trusts

For over 50 years, the Nordion C-188 double-encapsulated Cobalt-60 sources have set the industry standard for design, quality and safety. That’s why today the majority of the world’s installed Cobalt-60 sources take the form of a Nordion C-188.

Long-Term Supply
Nordion is a world leading supplier of Cobalt-60 sealed sources to the gamma processing industry. Our exclusive and diversified supply chain ensures reliable, long-term supply of Cobalt-60 to our customers.

Quality Manufacturing
Nordion C-188 double-encapsulated Cobalt-60 sources are manufactured at our state-of-the-art facilities to the latest regulatory specifications. We offer a standard 20 year product warranty with all Nordion C-188 Cobalt-60 sources.

Disposal Service
Nordion is committed to the longevity of the gamma industry and continues to invest in diversified disposal paths for Nordion C-188 Cobalt-60 sources providing full lifecycle management.

Worldwide Delivery
In five decades we have shipped nearly one billion curies of Cobalt-60 to destinations throughout the world. Our extensive fleet of shipping containers meets or exceeds all IAEA transport requirements and undergoes regular safety maintenance.

Installation and Support
Our installation, physics and engineering teams are comprised of highly trained professionals who provide immediate and ongoing technical support from source installation and source rack optimization to dosimetry and emergency response.
The Standard
Nordion C-188 Cobalt-60 sources meet or exceed all industry standards and regulatory requirements for sealed radioactive sources, such as:

- US Nuclear Regulatory Commission 10 CFR Part 36
- ISO 2919-1999(E) and the equivalent American National Standard ANSI/HPS N43.6-2007, under performance classification E65646

The Nordion C-188 Cobalt-60 Source Specs-at-a-Glance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Source Activity Range</td>
<td>(9000-11,000 Ci)</td>
</tr>
<tr>
<td>Standard Source Range Activity</td>
<td>Up to 14,500 Ci (527 TBq)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>451.6 mm (17.78 inches) in length</td>
</tr>
<tr>
<td></td>
<td>11.1 mm (0.437 inches) in diameter</td>
</tr>
<tr>
<td>Weight</td>
<td>0.24 kg (0.53 lbs)</td>
</tr>
</tbody>
</table>

Typical C-188 Configuration

1. Cobalt-60 slugs
2. Cobalt-60 inner source element
   (a capsule containing Cobalt-60 slugs)
3. Nordion source C-188 Cobalt-60 source
   (contains inner source elements), manufactured to meet required source activity
4. Irradiator source rack module (array of sources)
5. Irradiator source rack (contains modules in different configurations, depending on irradiator design)