In response to the need for a new generation of formed sulphur to meet increasingly stringent standards resulting from environmental considerations and customer preferences, Enersul developed the GX™ sulphur granulation process. The GX™ granulation process has evolved to be the most utilized sulphur forming process for producing premium sulphur product around the world today. Enersul offers several unique versions of the GX™ granulation process, with varying ranges of production capacities from 50 to 1700 tonnes per day. The GX™ granulation units are shipped pre-assembled and skid mounted to the project site, which greatly reduces onsite construction time and installation costs. Multiple configurations of the GX™ can be combined to meet any daily production requirements needed.
The Most Trusted Sulphur Granulation Process in the World

152 Granulation Units Installed Worldwide
38 Years+ of field operational experience running the GX™ Process
44M+ tonnes Total annual GX™ granulating capacity installed worldwide

The GX™ Sulphur Granulation Process

The Enersul GX™ process is a PLC controlled system that uses a size enlargement or peeling process to grow granules. Granules are continuously sprayed with liquid sulphur to cause the enlargement with product sized material ranging 2-6mm in size.

Modular Design

Enersul’s skid-mounted modular granulation systems are delivered largely preassembled, pretested and pre-commissioned for lower construction costs, elimination of site non-conformances and shortened project schedules.

Combine Units To Meet Any Capacity

SINGLE CONFIGURATION GRANULATION CAPACITIES RANGE FROM 50-1700 TPD

GX™ Specifications

**UTILITY CONSUMPTION**
- Electrical: 2 kw per tonne
- Steam: 4 bar: 1.5 kg per tonne
- Water: 45 L per tonne

**PRODUCT QUALITY**
- Bulk density (poured): > 1655 kg/m³
- Bulk density (packed): > 1276 kg/m³
- Angle of repose: ≥ 25°
- Moisture: ≤ 0.5%
- Fluidity: SUDC Stress level: < 2% (+0.4% variation between tests)

**SIZE DISTRIBUTION**

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<th>Screen size</th>
<th>Miron</th>
<th>Retained %</th>
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<td>&lt; 5%</td>
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<tr>
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</tbody>
</table>

**The GX™ Process**

The GX™ granulation process is a size enlargement process. Small sulphur seeds are repeatedly coated with a liquid sulphur spray and cooled. This creates a spherical granule which is entirely dry and completely free of voids.

**Process Control**

Operation of GX™ granulation units is simple, resulting in high on-stream factors and low annual repair and maintenance costs. Labour requirements are minimal.

**Environmentally Responsible**

GX™ granulation units are completely self-contained. The only emissions are the scrubbed process air, which meet the most stringent environmental requirements.

**Optimal Safety**

Safety has been a primary consideration in the design and operation of the GX™ units. Years of hands-on operating experience have ensured that all areas of potential concern have been identified and addressed.