Xaloy® Equatherm® Rolls

- Cast film extrusion
- Converting operations
- Laminating
- Coating
- Printing

Xaloy Equatherm® rolls are designed for the ultimate performance in double shell spiral heat-transfer rolls. In their unique proprietary construction, water flows through a stainless steel spiral with a PTFE gasket, forming a sealed flow path between the inner and outer shell. Our engineers optimize spiral size and pitch to the heat-transfer requirements of your application.

Features and Benefits

Benefits
- Maximum heat-transfer rate
  - Increased productivity. The heat-transfer efficiency of the Equatherm® design lets you specify your rolls for maximum line speed, minimum roll size or anywhere in between
  - Energy savings. The efficiency of the spiral design lets you operate at minimum flow rates, reducing costs associated with heating, cooling and pumping process water

- Improved product quality.
  Uniform temperature across the roll face, ±0.5°C (±1°F), combats across-the-web variations in gauge, appearance etc

Service Offering

Quality Assurance
- Computerized heat transfer and Mechanical Analysis
  - For most process applications including: Cast Film, Extrusion Coating, Laminating, Coating, Metallizing; General Heating, Cooling and Roll Design
- ASME code certified to manufacture and repair rolls
  - "U" and "R" Stamp Approved

- Hard chrome plating
  - 63-65 Rc hardness

- Acid Flushing and flow testing
  - Up to 10 tons - 500 GPM maximum

- Roll repair & refinishing
  - Up to 40 in diameter by 120 overall length
Roll Repair and Refinishing Services

Complete repair/remanufacturing services of chill rolls for sheet, film paper coating and heat transfer applications.

Regular maintenance and/or modified finish requirements are our specialty. Combine with total in-house chrome plating and finishing equipment, Nordson offers committed customer service and accurate delivery quotations with every request.

**Finish Options, Ra — µ in (µm)**

<table>
<thead>
<tr>
<th>Flawless Super</th>
<th>Bright Mirror</th>
<th>Standard Mirror</th>
<th>Polish Finish</th>
<th>Satin Finish</th>
<th>Coarse Matte</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;1” (&gt;.025)</td>
<td>1” - 2”</td>
<td>2” - 4”</td>
<td>6” - 32”</td>
<td>Variable</td>
<td>125” - 150”</td>
</tr>
<tr>
<td>(&lt;.025)</td>
<td>(.025 - .050)</td>
<td>(.05 - .10)</td>
<td>(.15 - .81)</td>
<td>(Variable)</td>
<td>(3.18 - 3.81)</td>
</tr>
</tbody>
</table>

Specialty finishes: water retention, flash plating over matte, pocket release, 30-50% gloss, tungsten carbide coating.

Our precision finishing facility enables us to provide 0.0005” (13 mm) TIR on every order regardless of size or weight.

For finishing, we offer optical mirror “superfinish” to coarse matte applied after chrome plating.

**Our capabilities include:**
- 42” (1065 mm) diameter and 210” (5330 mm) lengths
- Acid flush and flow testing
- Journal and body repairs
- Repolish existing chrome

**Plus specialty industry finishes:**
- Water retention
- Flash plating over matte
- Pocket release
- 30-50% gloss
- Tungsten carbide coating

Final process in which repaired roll is receiving a standard mirror finish.