Iranian Ceramic Industry at a glance

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Professor in Ceramics at IUST

April 2015
Tehran, Iran

Introduction

Established: Sept. 1994
Activity field: Ceramic Science
Licensed by: Ministry of Science, Research & Technology
Society Ranking: A
Membership: Student, Associate, Full, Corporate
Ceramic Manpower in IRAN

<table>
<thead>
<tr>
<th>Year</th>
<th>Student (BSc &amp; above)</th>
<th>Industry (Engineers)</th>
</tr>
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<tbody>
<tr>
<td>2003</td>
<td>400</td>
<td>200</td>
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<tr>
<td>2005</td>
<td>200</td>
<td>1000</td>
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<tr>
<td>2007</td>
<td>300</td>
<td>2500</td>
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<td>2009</td>
<td>1000</td>
<td>300</td>
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<tr>
<td>2011</td>
<td>2500</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>3000</td>
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</tbody>
</table>

Other Companies | Industry | University | Students |
--- | --- | --- | --- |
400 | 200 | 1000 | 300 | 2500

Iranian Ceramic Society Members

<table>
<thead>
<tr>
<th>Year</th>
<th>Student</th>
<th>Corporate</th>
<th>Associate</th>
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<tbody>
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<td>79</td>
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</table>
Publications

ICerS Divisions

• Refractory
• Tile & Porcelain
• Glass & Glaze
• Electroceramic
Conferences

Recent Conferences

- First International Conference on Tile, Ceramic & Sanitary Ware
- 10th Biennial Congress of the Iranian Ceramic Society and 1st International Conference on Advanced Ceramics
- 2nd Iranian Refractory Symposium
Participation in Ceramitec 2015

Upcoming Events

May 25, 2016

May 10, 2016
Glass Division

From University:
- Dr. A. Yousefi
- Prof. B. Eftekhari Yekta
- Dr. A. Nemati
- Dr. S. Baghshahi
- Dr. S. Banijamali
- Dr. P. Alizadeh
- Dr. Z. Rahnavard

From Industry:
- Eng. H. Zojaji
- Eng. M. Moien Afshar
- Eng. K. Manzouri
- Eng. F. Rahmani
- Eng. J Rahimi
- Eng. M. Shokouhi

Recent Activities in Glass Division
Glass Industry

Establishment: 1940

Iran Float

In Tehran

Production sites in 2014:

Large-scale: 60 sites

Medium/low scale: >100 sites

Largest producer: Ardakan Glass in Yazd (220’000 ton)

<table>
<thead>
<tr>
<th>Year</th>
<th>Production capacity (mil. ton)</th>
<th>Real Production (mil. ton)</th>
<th>Consumption (mil. ton)</th>
<th>Export (mil. ton)</th>
<th>Import (mil. ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>2.35</td>
<td>2</td>
<td>2</td>
<td>0.4</td>
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</table>

Glass Industry

2% of global production
Glass Industry

Manpower:  • Approximately 40’000

Raw materials:  • Almost all are available in Iran.

Technology:  • Mainly imported from Europe and China.

Type of products:

• Flat Glass:
  Float and Sheet (clear & colored)
  Figured glass (clear & colored & wired)
  Coated Glass (reflective, Low E)

• Tableware:
  Soda – Lime
  Cristal
  Opal

• Container glass:
  Medical industries
  Food industries
Comparing the glass consumption between Iran & Europe

<table>
<thead>
<tr>
<th>Product</th>
<th>Iran</th>
<th>Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Glass</td>
<td>64</td>
<td>58</td>
</tr>
<tr>
<td>Jar Glass</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Tableware Glass</td>
<td>16</td>
<td>17</td>
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<tr>
<td>Bottle</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Etc.</td>
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<td>11</td>
</tr>
</tbody>
</table>

**Glass Industry**

**Opportunities**
- Raw material availability
- High export potentials
- Downstream industries

**Threats**
- Traditional technologies
- Low transportation capability
- Low investment interest
Thanks for your attention
on behalf of
Iranian Ceramic Society