# 2014Q3 Building Glass Industry Analysis Report

2015.04















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#### **1. China Building Glass Industry Export Trend Analysis**

| HS Code | Product Name  | Abbreviation                |
|---------|---|-----------------------------|
|         | Cast Glass and Rolled Glass, in sheets or profiles,       |                             |
| 7003    | whether or not having an absorbent, reflecting or         | Cast Glass and Rolled Glass |
|         | nonreflecting layer                                       |                             |
|         | Drawn Glass or Blown Glass, in sheets, whether or not     |                             |
| 7004    | having an absorbent, reflecting or non-reflecting layer,  | Drawn Glass or Blown Glass  |
|         | but not otherwise worked                                  |                             |
|         | Float Glass and surface ground or polished glass, in      |                             |
| 7005    | sheets, whether or not having an absorbent, reflecting or | Float Glass                 |
|         | non-reflecting layer, but not otherwise worked            |                             |
| 7007    | Safety glass, consisting of toughened (tempered) or       | Tempered Glass              |
| 1001    | laminated glass   |                             |
| 7008    | Multiple-walled insulating units of glass                 | Insulated Glass             |

1.1. China Cast Glass and Rolled Glass (HS: 7003) Export Trend Analysis, from Jan. to Sep. 2014

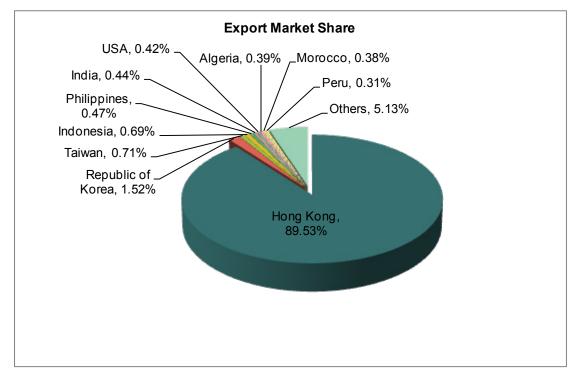
## 1.1.1. China Cast Glass and Rolled Glass Export Volume and Value, from Jan. to Sep. 2014

| Month     | Volumo (Kilogram) |             | Compared to the Same Period of Last Year |        |  |
|-----------|-------------------|-------------|--|--------|--|
| Month     | Volume (Kilogram) | Value(USD)  | Volume                                   | Value  |  |
| January   | 15,071,989        | 63,317,196  | -33.2%                                   | 687.7% |  |
| February  | 15,777,017        | 32,490,407  | -13.2%                                   | 374.4% |  |
| March     | 25,929,817        | 82,368,669  | -0.3%                                    | 751.7% |  |
| April     | 20,542,459        | 71,954,982  | 12.9%                                    | 863.3% |  |
| Мау       | 18,318,424        | 66,125,047  | -22.7%                                   | 322.6% |  |
| June      | 19,602,973        | 76,096,411  | -6.8%                                    | 667.8% |  |
| July      | 23,162,263        | 53,873,588  | 9.8%                                     | 44%    |  |
| August    | 22,051,094        | 49,481,578  | -6.9%                                    | -13.4% |  |
| September | 21,279,462        | 99,658,834  | -9.9%                                    | 33.9%  |  |
| Total     | 181,735,498       | 595,366,712 | -8.2%                                    | 162.8% |  |

China Cast Glass and Rolled Glass export volume has reached 182,735 ton, from Jan. to Sep. 2014, decreasing by 8.2% compared to the same period of last year. The total export value has reached 595 million USD, increasing by 162.8% compared to the same period of last year. In a word, China Cast Glass and Rolled Glass tend to decrease in export volume but increase in export value during the first three quarters of 2014.

### **1.1.2.** China Cast Glass and Rolled Glass Main Export Countries/Areas Distribution, from Jan. to Sep. 2014

| No. | Country Volume (Kilogram) | Value(USD) | Compared to the Same Period of Last<br>Year |        |         |
|-----|---------------------------|------------|---|--------|---------|
|     |                           |            |   | Volume | Value   |
| 1   | Hong Kong                 | 15,917,645 | 533,023,207                                 | 292.7% | 239.6%  |
| 2   | Republic of Korea         | 26,798,319 | 9,056,061                                   | -28%   | -13.8%  |
| 3   | Taiwan                    | 9,768,093  | 4,246,200                                   | -2.6%  | -20%    |
| 4   | Indonesia                 | 8,662,281  | 4,100,092                                   | 31.2%  | 116.4%  |
| 5   | Philippines               | 9,959,758  | 2,802,180                                   | -53.2% | -65.2%  |
| 6   | India                     | 488,041    | 2,640,190                                   | -29.7% | 1024.3% |
| 7   | USA                       | 6,096,668  | 2,489,505                                   | 25.4%  | -44.4%  |
| 8   | Algeria                   | 8,337,895  | 2,307,989                                   | 52%    | 49%     |
| 9   | Morocco                   | 9,705,102  | 2,286,679                                   | 2.3%   | -22.9%  |
| 10  | Peru                      | 6,594,247  | 1,867,242                                   | -23.6% | -25.2%  |



The export data from Jan. to Sep. 2014 shows that the main export markets of China Cast Glass and Rolled Glass are Hong Kong, Republic of Korea, Taiwan, Indonesia, Philippines, India, USA, Algeria, morocco and Peru.

The largest export market of China Cast Glass and Rolled Glass is Hong Kong. The export value that we have got in Hong Kong market accounted for 89.53%, nearly ninety percent, of the total export value of that particular product from Jan. to Sep. 2014.

Among the top 10 export markets of China Cast Glass and Rolled Glass from Jan. to Sep. 2014, India enjoyed the highest growth rate in export value, increasing by 1024.3% compared to the same period of 2013.

### 1.1.3. China Cast Glass and Rolled Glass Original Places of Exported Goods, from Jan. to Sep. 2014

| No. | Area Volume (Kilogram) |             | Value(USD)  | Compared to the Same Period of Last<br>Year |        |
|-----|------------------------|-------------|-------------|---|--------|
|     |                        |             |             | Volume                                      | Value  |
| 1   | Guangdong              | 16,927,842  | 536,341,153 | 214.4%                                      | 240.9% |
| 2   | Shandong               | 133,861,795 | 39,057,047  | -6.6%                                       | -16.4% |
| 3   | Hebei                  | 23,523,212  | 7,533,472   | -29.9%                                      | -20.2% |
| 4   | Fujian                 | 450,772     | 3,447,546   | 132.8%                                      | 2072%  |
| 5   | Liaoning               | 2,980,835   | 3,325,362   | 317.1%                                      | 488.3% |
| 6   | Sichuan                | 170,558     | 1,420,069   | -32.9%                                      | -42.1% |
| 7   | Zhejiang               | 984,318     | 1,205,389   | 55.4%                                       | 14.5%  |
| 8   | Jiangsu                | 1,101,294   | 1,015,567   | -88.9%                                      | -83.4% |
| 9   | Tianjin                | 557,873     | 820,379     | 71.5%                                       | 8.5%   |
| 10  | Shanghai               | 71,148      | 254,322     | -33.8%                                      | -20.8% |

China Cast Glass and Rolled Glass major original places of exported goods are Guangdong, Shandong and Hebei. The export volume of the above three provinces accounted for 95.92% of the total export volume from Jan. to Sep. 2014, with its export value accounting for 97.91% of the total export value. Among the top 10 China Cast Glass and Rolled Glass original places of exported goods, Fujian enjoyed the highest growth rate, with its export value increasing by 2072%. Liaoning ranked second, with its export value increasing by 488.3%.



1.2. China Drawn Glass or Blown Glass (HS: 7004) Export Trend Analysis, from Jan. to Sep. 2014

**1.2.1.** China Drawn Glass or Blown Glass Export Volume and Value, from Jan. to Sep. 2014

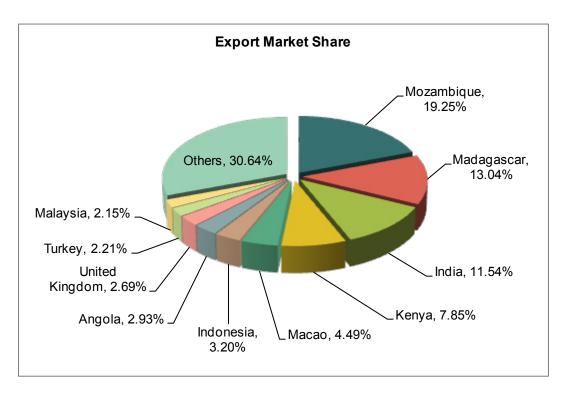
| Month     |                   |            | Compared to the Same Period of Last Year |        |  |
|-----------|-------------------|------------|--|--------|--|
| Month     | Volume (Kilogram) | Value(USD) | Volume                                   | Value  |  |
| January   | 12,647,770        | 18,889,511 | 20.1%                                    | 165.4% |  |
| February  | 4,817,655         | 2,678,149  | -46.2%                                   | -48%   |  |
| March     | 10,176,658        | 7,603,811  | -22.1%                                   | 26.7%  |  |
| April     | 10,285,967        | 8,778,284  | -4.2%                                    | 41.3%  |  |
| Мау       | 9,684,595         | 4,872,417  | -21.9%                                   | -20.3% |  |
| June      | 9,352,941         | 5,058,764  | 7.7%                                     | -42.2% |  |
| July      | 11,561,591        | 6,698,169  | 14.4%                                    | -23.6% |  |
| August    | 11,090,713        | 5,638,810  | 6%                                       | -53.8% |  |
| September | 9,422,712         | 11,048,834 | 17.5%                                    | 137.3% |  |
| Total     | 89,040,602        | 71,266,749 | -4.2%                                    | 9.7%   |  |

China Drawn Glass or Blown Glass export volume has reached 89,041 tons, from Jan. to Sep. 2014. The total export value has reached 71.27 million USD. Its export volume has decreased by 4.2% while its export value has increased by 9.7%, compared to the same period of last year.

## 1.2.2. China Drawn Glass or Blown Glass Main Export Countries/Areas Distribution, from Jan. to Sep. 2014

| No. | Country Volume (Kilogram) | Value(USD) | Compared to the Same Period of Last<br>Year |        |        |
|-----|---------------------------|------------|---|--------|--------|
|     |                           |            |   | Volume | Value  |
| 1   | Mozambique                | 2,937,119  | 13,716,534                                  | 196.6% | 153.7% |
| 2   | Madagascar                | 1,781,574  | 9,295,921                                   | 158%   | 128.9% |
| 3   | India                     | 27,873,414 | 8,222,110                                   | 9%     | 5%     |
| 4   | Kenya                     | 1,701,225  | 5,597,931                                   | 96.8%  | 25.7%  |
| 5   | Macao                     | 2,235,907  | 3,198,686                                   | 10.3%  | 21.4%  |
| 6   | Indonesia                 | 4,449,028  | 2,283,345                                   | -8.2%  | -16.7% |
| 7   | Angola                    | 1,526,671  | 2,088,377                                   | 108.4% | -12.2% |
| 8   | United Kingdom            | 5,777,712  | 1,917,794                                   | 49.3%  | 53.9%  |
| 9   | Turkey                    | 2,717,840  | 1,578,533                                   | 42%    | 114%   |
| 10  | Malaysia                  | 547,564    | 1,531,468                                   | -53.9% | -61%   |





The export data from Jan. to Sep. 2014 shows that the main export markets of China Drawn Glass or Blown Glass are Mozambique, Madagascar, India, Kenya, Macao, Indonesia, Angola, United Kingdom, Turkey and Malaysia.

The Top 3 export markets of China Drawn Glass or Blown Glass are Mozambique, Madagascar and India. The export value that we have got in the above mentioned three markets separately accounted for 19.25%, 13.04% and 11.54% of the total export value of that particular product from Jan. to Sep. 2014.

Among the top 10 export markets of China Drawn Glass or Blown Glass from Jan. to Sep. 2014, Mozambique enjoyed the highest growth rate in export value, increasing by 153.7% compared to the same period of 2013.

#### 1.2.3. China Drawn Glass or Blown Glass Original Places of Exported Goods, from Jan. to Sep. 2014

| No. | Area      | Area Volume (Kilogram) Value(USD) |            | ame Period of Last<br>ear |        |
|-----|-----------|-----------------------------------|------------|---------------------------|--------|
|     |           |                                   |            | Volume                    | Value  |
| 1   | Guangdong | 9,550,881                         | 38,890,991 | 45.8%                     | 54.3%  |
| 2   | Hebei     | 57,553,633                        | 16,736,145 | -13.9%                    | -9.7%  |
| 3   | Zhejiang  | 1,921,483                         | 4,772,379  | -27.2%                    | -18.9% |
| 4   | Shandong  | 13,317,557                        | 4,147,638  | 247.5%                    | 153.7% |
| 5   | Liaoning  | 1,765,489                         | 1,498,443  | -67.6%                    | -66.6% |
| 6   | Jiangxi   | 327,980                           | 988,389    | -32.4%                    | -39.7% |
| 7   | Sichuan   | 333,759                           | 769,658    | -29.5%                    | -2.9%  |
| 8   | Jiangsu   | 393,672                           | 683,793    | -25.6%                    | 7.6%   |
| 9   | Anhui     | 947,402                           | 407,069    | -67.3%                    | -80.5% |
| 10  | Yunnan    | 635,560                           | 300,629    | -29.1%                    | 21.3%  |

China Drawn Glass or Blown Glass major original places of exported goods are Guangdong and Hebei. The export volume of the above two provinces accounted for 75.36% of the total export volume from Jan. to Sep. 2014, with its export value accounting for 78.05% of the total export value. Among the top 10 China Drawn Glass or Blown Glass original places of exported goods, Shandong enjoyed the highest growth rate, with its export value increasing by 153.7%. Guangdong ranked second, with its export value increasing by 54.3%.



1.3. China Float Glass (HS: 7005)Export Trend Analysis, from Jan. to Sep. 2014

1.3.1. China Float Glass Export Volume and Value, from Jan. to Sep. 2014

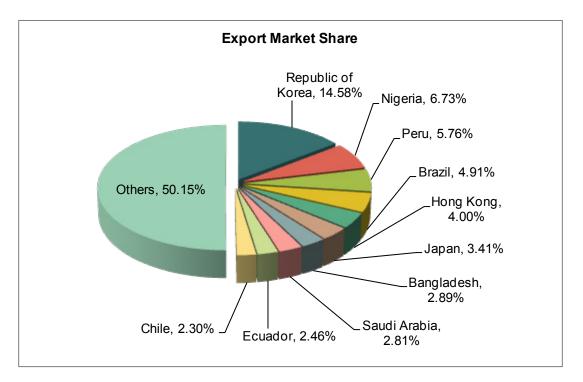
| Month     | Volumo (Kilogram) |             | Compared to the Same Period of Last Year |       |  |
|-----------|-------------------|-------------|--|-------|--|
| WOTUT     | Volume (Kilogram) | Value(USD)  | Volume                                   | Value |  |
| January   | 142,427,050       | 49,599,703  | 33.3%                                    | 50.6% |  |
| February  | 84,052,284        | 28,336,500  | -15.3%                                   | -6.4% |  |
| March     | 144,004,868       | 49,808,335  | -9.2%                                    | -1.2% |  |
| April     | 146,672,156       | 50,937,407  | 4.9%                                     | 12.8% |  |
| Мау       | 151,619,028       | 55,041,035  | 3.8%                                     | 13.3% |  |
| June      | 161,013,740       | 56,306,448  | 21.2%                                    | 26.5% |  |
| July      | 157,953,477       | 52,737,635  | 5.2%                                     | 5.6%  |  |
| August    | 172,674,167       | 58,958,914  | 27.5%                                    | 25.8% |  |
| September | 163,038,479       | 55,141,694  | 11.8%                                    | -8.9% |  |
| Total     | 1,323,455,249     | 456,867,671 | 8.9%                                     | 11.7% |  |

China Float Glass export volume has reached 1,324,455 tons, from Jan. to Sep. 2014. The total export value has reached 457 million USD. Its export volume has increased by 8.9% while its export value has increased by 11.7%, compared to the same period of last year.



### **1.3.2.** China Float Glass Main Export Countries/Areas Distribution from Jan. to Sep. 2014

| No. | Country           | Volume (Kilogram) |            |        | ame Period of Last<br>ear |
|-----|-------------------|-------------------|------------|--------|---------------------------|
|     |                   |                   |            | Volume | Value                     |
| 1   | Republic of Korea | 152,346,024       | 66,625,637 | 82.4%  | 94.5%                     |
| 2   | Nigeria           | 97,305,385        | 30,741,296 | -1.1%  | 3.7%                      |
| 3   | Peru              | 102,796,966       | 26,304,229 | 1.9%   | -1%                       |
| 4   | Brazil            | 78,187,798        | 22,445,502 | 17.7%  | 23.1%                     |
| 5   | Hong Kong         | 1,251,465         | 18,264,077 | 33.8%  | 87.4%                     |
| 6   | Japan             | 27,808,162        | 15,584,195 | -10.9% | -15.1%                    |
| 7   | Bangladesh        | 38,569,811        | 13,215,348 | 24.2%  | 32.3%                     |
| 8   | Saudi Arabia      | 34,754,682        | 12,833,127 | -6.7%  | -2.7%                     |
| 9   | Ecuador           | 40,922,046        | 11,223,214 | -4.1%  | -3.4%                     |
| 10  | Chile             | 38,556,277        | 10,503,131 | -1.7%  | -1%                       |



The export data from Jan. to Sep. 2014 shows that the main export markets of China Float Glass are Republic of Korea, Nigeria, Peru, Brazil, Hong Kong, Japan, Bangladesh, Saudi Arabia, Ecuador and Chile.

The Top 3 export markets of China Float Glass are Republic of Korea, Nigeria and Peru. The export value that we have got in the above mentioned three markets separately accounted for 14.58%, 6.73% and 5.76% of the total export value of that particular product from Jan. to Sep. 2014.

Among the top 10 export markets of China Float Glass from Jan. to Sep. 2014, Republic of Korea enjoyed the highest growth rate in export value, increasing by 94.5% compared to the same period of 2013. Hong Kong ranked the second, increasing by 87.4%.



#### 1.3.3. China Float Glass Original Places of Exported Goods, from Jan. to Sep. 2014

| No. | Area Volume (Kilogram) | Value(USD)  | Compared to the Same Period of Last<br>Year |        |        |
|-----|------------------------|-------------|---|--------|--------|
|     |                        |             |   | Volume | Value  |
| 1   | Shandong               | 445,354,164 | 157,106,577                                 | 13%    | 22.5%  |
| 2   | Hebei                  | 437,108,467 | 137,037,143                                 | 22.7%  | 24.2%  |
| 3   | Guangdong              | 72,156,622  | 42,970,188                                  | 17.7%  | 15.1%  |
| 4   | Jiangsu                | 93,677,346  | 34,625,354                                  | -26.5% | -21.7% |
| 5   | Tianjin                | 87,821,396  | 24,678,855                                  | 5.8%   | -2.9%  |
| 6   | Liaoning               | 76,848,774  | 24,419,992                                  | 68%    | 23.4%  |
| 7   | Fujian                 | 23,985,542  | 9,426,820                                   | -51%   | -38.8% |
| 8   | Hainan                 | 15,793,498  | 6,354,300                                   | 45.3%  | 50.7%  |
| 9   | Anhui                  | 18,029,026  | 5,442,348                                   | 9.1%   | 23.5%  |
| 10  | Heilongjiang           | 13,969,814  | 3,198,872                                   | 9.1%   | 3.6%   |

China Float Glass major original places of exported goods are Shandong and Hebei. The export volume of the above two provinces accounted for 66.68% of the total export volume from Jan. to Sep. 2014, with its export value accounting for 64.38% of the total export value.



1.4. China Tempered Glass (HS: 7007) Export Trend Analysis, from Jan. to Sep. 2014

1.4.1. China Tempered Glass Export Volume and Value, from Jan. to Sep. 2014

| Month     | Volumo (Kilogram) | Value(USD)    | Compared to the San | ne Period of Last Year |
|-----------|-------------------|---------------|---------------------|------------------------|
| WOTUT     | Volume (Kilogram) | value(USD)    | Volume              | Value                  |
| January   | 156,066,279       | 202,158,099   | 34.5%               | 31.8%                  |
| February  | 97,117,808        | 121,212,298   | 10.5%               | 1.4%                   |
| March     | 145,060,496       | 177,710,174   | 10%                 | 8.1%                   |
| April     | 155,079,186       | 191,079,076   | 17.9%               | 14.4%                  |
| Мау       | 152,809,441       | 187,089,919   | 10.2%               | 11.9%                  |
| June      | 146,730,437       | 174,566,686   | 16.6%               | 7.9%                   |
| July      | 166,677,591       | 204,359,719   | 19.7%               | 21.1%                  |
| August    | 159,425,155       | 200,851,406   | 15.6%               | 19.3%                  |
| September | 148,271,759       | 180,805,214   | 6.9%                | 6.9%                   |
| Total     | 1,327,238,152     | 1,639,832,591 | 15.6%               | 13.9%                  |

China Tempered Glass export volume has reached 1,327,238 tons, from Jan. to Sep. 2014. The total export value has reached 16.4 billion USD. Its export volume has increased by 15.6% while its export value has increased by 13.9%, compared to the same period of last year.



### **1.4.2. China Tempered Glass Main Export Countries/Areas Distribution, from Jan. to Sep. 2014**

| No. | Country           | ountry Volume (Kilogram) | Value(USD)  | Compared to the Same Period of Last<br>Year |        |
|-----|-------------------|--------------------------|-------------|---|--------|
|     |                   |                          |             | Volume                                      | Value  |
| 1   | USA               | 166,229,552              | 283,698,785 | 19.1%                                       | 25.6%  |
| 2   | Japan             | 152,506,967              | 188,877,514 | 7.4%  | 14.4%  |
| 3   | Hong Kong         | 25,738,473               | 92,949,543  | -1%   | -15.9% |
| 4   | Republic of Korea | 94,494,834               | 83,397,449  | 25%   | 24.4%  |
| 5   | Germany           | 57,428,030               | 72,829,492  | -18%  | -1.9%  |
| 6   | Canada            | 67,935,955               | 68,471,856  | 38.9%                                       | 31.7%  |
| 7   | Australia         | 70,308,862               | 66,304,155  | 14.3%                                       | 7.8%   |
| 8   | Malaysia          | 69,797,907               | 63,118,206  | 45.7%                                       | 49.6%  |
| 9   | Singapore         | 54,523,672               | 53,796,559  | 15%   | 19.5%  |
| 10  | Brazil            | 36,846,283               | 44,485,406  | 12.4%                                       | 4%     |



The export data from Jan. to Sep. 2014 shows that the main export markets of China Tempered Glass are Republic of USA, Japan, Hong Kong, Republic of Korea, Germany, Canada, Australia, Malaysia, Singapore and Brazil.

The Top 3 export markets of China Tempered Glass are USA, Japan and Hong Kong. The export value that we have got in the above mentioned three markets separately accounted for 17.30%, 11.52% and 5.67% of the total export value of that particular product from Jan. to Sep. 2014.

## 1.4.3. China Tempered Glass Original Places of Exported Goods, from Jan. to Sep. 2014

| No. Area |           | Volume (Kilogram) | Value(USD)  |        | ame Period of Last<br>ear |
|----------|-----------|-------------------|-------------|--------|---------------------------|
|          |           |                   |             | Volume | Value                     |
| 1        | Guangdong | 370,929,109       | 656,871,966 | 12.7%  | 13.2%                     |
| 2        | Fujian    | 120,612,558       | 225,177,758 | 4.6%   | 9%                        |
| 3        | Jiangsu   | 190,172,694       | 171,318,608 | -10.6% | -8.1%                     |
| 4        | Zhejiang  | 249,717,864       | 170,487,935 | 63.9%  | 59.3%                     |
| 5        | Shanghai  | 49,099,806        | 99,914,372  | -25.2% | -1.9%                     |
| 6        | Shandong  | 113,233,929       | 74,336,573  | 12.6%  | 10.8%                     |
| 7        | Henan     | 68,017,759        | 53,487,574  | 70.4%  | 48.7%                     |
| 8        | Anhui     | 78,779,577        | 48,758,047  | 36.8%  | 36.5%                     |
| 9        | Hebei     | 29,065,635        | 28,788,743  | 20.4%  | 23%                       |
| 10       | Tianjin   | 22,774,256        | 24,923,136  | 308.2% | 185.4%                    |

China Tempered Glass major original places of exported goods are Guangdong, Fujian, Jiangsu and Zhejiang. The export volume of the above four provinces accounted for 70.18% of the total export volume from Jan. to Sep. 2014, with its export value accounting for 74.63% of the total export value. Guangdong accounted for 27.95% of the total export volume and 49.49% of the total export value. Among the top 10 China Tempered Glass original places of exported goods, Tianjin enjoyed the highest growth rate, with its export value increasing by 185.4%. Zhejiang ranked second, with its export value increasing by 59.3%.



1.5. China Insulated Glass or Vacuum Glass (HS: 7008) Export Trend Analysis, from Jan. to Sep. 2014

**1.5.1.** China Insulated Glass or Vacuum Glass Export Volume and Value, from Jan. to Sep. 2014

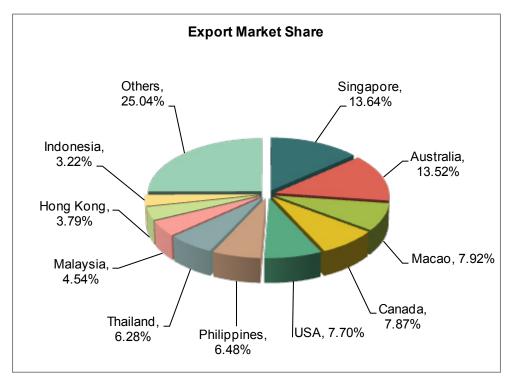
| Month     | Volumo (Kilogram) |             | Compared to the San | ne Period of Last Year |
|-----------|-------------------|-------------|---------------------|------------------------|
| WORLD     | Volume (Kilogram) | Value(USD)  | Volume              | Value                  |
| January   | 9,722,199         | 21,354,530  | 68%                 | 76.4%                  |
| February  | 4,947,081         | 10,793,064  | 21.9%               | 29%                    |
| March     | 8,423,257         | 18,066,858  | 46.4%               | 48.7%                  |
| April     | 8,900,432         | 19,646,766  | 46.9%               | 54.4%                  |
| Мау       | 8,980,915         | 18,410,104  | 22.7%               | 4.3%                   |
| June      | 6,989,686         | 14,466,486  | 15%                 | -3.5%                  |
| July      | 8,215,017         | 16,888,816  | 27.8%               | 19%                    |
| August    | 6,892,631         | 13,576,816  | -12.6%              | -22%                   |
| September | 8,718,722         | 17,186,679  | 7.6%                | -6.8%                  |
| Total     | 71,789,940        | 150,390,119 | 24.9%               | 17.5%                  |

China Insulated Glass or Vacuum Glass export volume has reached 71,790 tons from Jan. to Sep. 2014, increasing by 24.9% compared to the same period of last year. The total export value has reached 150 million USD, increasing by 17.5%, compared to the same period of last year.



#### **1.5.2.** China Insulated Glass or Vacuum Glass Main Export Countries/Areas Distribution, from Jan. to Sep. 2014

| No. Country |             | Volume (Kilogram) | ) Value(USD) | Compared to the Same Period of Last<br>Year |         |
|-------------|-------------|-------------------|--------------|---|---------|
|             |             |                   |              | Volume                                      | Value   |
| 1           | Singapore   | 5,825,111         | 20,508,430   | -26.6%                                      | -5.5%   |
| 2           | Australia   | 7,580,927         | 20,335,125   | -3.1%                                       | -16.9%  |
| 3           | Macao       | 5,238,124         | 11,918,065   | 1048.4%                                     | 1447.1% |
| 4           | Canada      | 3,788,384         | 11,842,272   | 24.4%                                       | 13.7%   |
| 5           | USA         | 4,564,221         | 11,585,124   | 13.8%                                       | -4.5%   |
| 6           | Philippines | 5,966,537         | 9,744,382    | 208.5%                                      | 293.9%  |
| 7           | Thailand    | 5,639,827         | 9,440,810    | 36.5%                                       | 45.2%   |
| 8           | Malaysia    | 4,096,512         | 6,822,068    | 29.2%                                       | -2.5%   |
| 9           | Hong Kong   | 3,503,539         | 5,701,913    | 16%   | -18.6%  |
| 10          | Indonesia   | 3,834,916         | 4,839,942    | 40.6%                                       | 33.3%   |



The export data from Jan. to Sep. 2014 shows that the main export markets of China Insulated Glass or Vacuum Glass are Singapore, Australia, Macao, Canada, USA, Philippines, Thailand, Malaysia, Hong Kong and Indonesia.

The Top 2 export markets of China Insulated Glass or Vacuum Glass are Singapore and Australia. The export value that we have got in the above mentioned two markets separately accounted for 13.64% and 13.52%.

Among the top 10 China Insulated Glass or Vacuum Glass export market, Macao enjoyed the highest growth rate from Jan. to Jun. 2014, with its export value increasing by 1447.1% compared to the same period of 2013.

### **1.5.3.** China Insulated Glass or Vacuum Glass Original Places of Exported Goods, from Jan. to Sep. 2014

| No. Area |           | Volume (Kilogram) | Value(USD) | Compared to the Same Period of Last<br>Year |        |
|----------|-----------|-------------------|------------|---|--------|
|          |           |                   |            | Volume                                      | Value  |
| 1        | Guangdong | 35,910,079        | 81,713,896 | 18%   | 5.1%   |
| 2        | Shanghai  | 12,181,971        | 26,842,274 | 23.6%                                       | 33%    |
| 3        | Jiangsu   | 6,290,778         | 10,684,028 | 47.8%                                       | 59.2%  |
| 4        | Beijing   | 4,603,070         | 9,533,671  | 71.8%                                       | 53.9%  |
| 5        | Liaoning  | 1,475,635         | 4,542,005  | -12.3%                                      | 42.4%  |
| 6        | Fujian    | 2,904,691         | 3,510,530  | 146.9%                                      | 149.8% |
| 7        | Tianjin   | 2,208,232         | 3,505,076  | 33%   | 26.2%  |
| 8        | Hubei     | 361,084           | 2,836,461  | -4.6%                                       | -2.4%  |
| 9        | Shandong  | 2,099,041         | 2,615,488  | 13.6%                                       | 18.4%  |
| 10       | Zhejiang  | 1,475,272         | 2,001,808  | -12.6%                                      | -3.8%  |

China Insulated Glass or Vacuum Glass major original places of exported goods are Guangdong, Shanghai, Jiangsu and Beijing. The export volume of the above four provinces accounted for 82.16% of the total export volume from Jan. to Sep. 2014, with its export value accounting for 85.63% of the total export value. Among the major China Insulated Glass or Vacuum Glass original places of exported goods, Fujian enjoyed the highest growth rate, with its export value increasing by 149.8%.

(Source: China Customs)



#### 2. Global Building Glass Industry Import & Export Analysis

2.1. Global Building Glass Industry Import & Export Analysis, from Jan. to Sep. 2014

2.1.1. Cast Glass and Rolled Glass (HS: 7003) Main Import Countries/Areas, from Jan. to Sep. 2014

| No. | Import Countries/Areas | Import Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 901,953                     | 29.76%                                      |
| 2   | Malaysia               | 133,902                     | 3.92%                                       |
| 3   | USA                    | 75,357                      | 25.46%                                      |
| 4   | Taiwan                 | 54,955                      | -67.15%                                     |
| 5   | Republic of Korea      | 37,791                      | 183.14%                                     |
| 6   | Thailand               | 36,370                      | 51.16%                                      |
| 7   | Denmark                | 22,282                      | 541.39%                                     |
| 8   | Italy                  | 17,201                      | 13.05%                                      |
| 9   | Germany                | 15,657                      | -24.07%                                     |
| 10  | France                 | 15,126                      | 12.54%                                      |

Among the above 10 import countries/areas of Cast Glass and Rolled Glass from Jan. to Sep. 2014, China, Malaysia and USA are among the top 3, with import value separately of about 902 million USD (increasing by 29.76% year on year), 134 million USD (increasing by 3.92% year on year) and 75.36 million USD (increasing by 25.46% year on year).

What is noteworthy is that the Denmark's import value of Cast Glass and Rolled Glass has increased by 541.39% in the first three quarters of 2014, compared to the same period of 2013.

#### 2.1.2. Drawn Glass or Blown Glass (HS: 7004) Main Import Countries/Areas, from Jan. to Sep. 2014

| No. | Import Countries/Areas | Import Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 647,293                     | 9.42%                                       |
| 2   | Republic of Korea      | 441,968                     | -34.14%                                     |
| 3   | Taiwan                 | 89,155                      | 13069.13%                                   |
| 4   | Japan                  | 39,267                      | -23.59%                                     |
| 5   | USA                    | 38,949                      | 11.40%                                      |
| 6   | Thailand               | 10,916                      | 109.20%                                     |
| 7   | India                  | 10,443                      | -11.93%                                     |
| 8   | Canada                 | 7,103                       | 17.19%                                      |
| 9   | Hungary                | 6,797                       | -23.65%                                     |
| 10  | Qatar                  | 4,568                       | 50.26%                                      |

Among the above 10 import countries/areas of Drawn Glass or Blown Glass from Jan. to Sep. 2014, China, Republic of Korea and Taiwan are among the top 3, with import value separately of about 647 million USD (increasing by 9.42% year on year), 442 million USD (decreasing by 34.14% year on year) and 89.16 million USD (increasing by 13069.13% year on year).

#### 2.1.3. Float Glass (HS: 7005) Main Import Countries/Areas, from Jan. to Sep. 2014

| No. | Import Countries/Areas | Import Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 487,320                     | -6.37%                                      |
| 2   | Taiwan                 | 237,365                     | -56.01%                                     |
| 3   | Republic of Korea      | 200,331                     | -10.59%                                     |
| 4   | Canada                 | 181,125                     | 0.04%                                       |
| 5   | France                 | 154,076                     | 9.90%                                       |
| 6   | Poland                 | 149,314                     | 28.38%                                      |
| 7   | Turkey                 | 139,457                     | 27.29%                                      |
| 8   | Germany                | 131,104                     | -8.08%                                      |
| 9   | Italy                  | 119,596                     | 1.33%                                       |
| 10  | Belgium                | 118,743                     | -17.96%                                     |

Among the above 10 import countries/areas of Float Glass from Jan. to Sep. 2014, China, Taiwan and Republic of Korea are among the top 3, with import value separately of about 487 million USD (decreasing by 6.37% year on year), 237 million USD (decreasing by 56.01% year on year) and 200 million USD (decreasing by 10.59% year on year).



#### 2.1.4. Tempered Glass (HS: 7007) Main Import Countries/Areas, from Jan. to Sep. 2014

| No. | Import Countries/Areas | Import Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | Germany                | 1,153,062                   | 10.87%                                      |
| 2   | USA                    | 699,940                     | 32.97%                                      |
| 3   | France                 | 571,292                     | 12.36%                                      |
| 4   | Republic of Korea      | 562,350                     | -34.52%                                     |
| 5   | United Kingdom         | 463,649                     | -0.26%                                      |
| 6   | Canada                 | 411,571                     | 3.45%                                       |
| 7   | Belgium                | 404,914                     | 0.48%                                       |
| 8   | Japan                  | 238,129                     | 5.65%                                       |
| 9   | Italy                  | 228,251                     | -1.39%                                      |
| 10  | Spain                  | 197,434                     | 7.35%                                       |

Among the above 10 import countries/areas of Tempered Glass from Jan. to Sep. 2014, Germany, USA and France are among the top 3, with import value separately of about 11.53 billion USD (increasing by 10.87% year on year), 700 million USD (increasing by 32.97 % year on year) and 571 million USD (increasing by 12.36% year on year).

#### 2.1.5. Insulated Glass or Vacuum Glass (HS: 7008) Main Import Countries/Areas, from Jan. to Sep. 2014

| No. | Import Countries/Areas | Import Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | USA                    | 165,379                     | 16.05%                                      |
| 2   | Canada                 | 109,499                     | 17.69%                                      |
| 3   | Switzerland            | 65,660                      | 11.18%                                      |
| 4   | Holland                | 42,423                      | -19.42%                                     |
| 5   | Denmark                | 42,297                      | 10.14%                                      |
| 6   | Sweden                 | 41,312                      | -1.93%                                      |
| 7   | Norway                 | 36,866                      | -33.61%                                     |
| 8   | Austria                | 30,365                      | 2.58%                                       |
| 9   | Germany                | 29,413                      | 16.00%                                      |
| 10  | Belgium                | 27,080                      | 23.02%                                      |

Among the above 10 import countries/areas of Insulated Glass or Vacuum Glass from Jan. to Sep. 2014, USA, Canada and Switzerland are among the top 3, with import value separately of about 165 million USD (increasing by 16.05% year on year), 109 million USD (increasing by 17.69% year on year) and 65.66 million USD (increasing by 11.18% year on year).



2.2. Global Building Glass Industry Export Analysis, from Jan. to Sep. 2014

2.2.1. Cast Glass and Rolled Glass (HS: 7003) Main Export Countries/Areas, from Jan. to Sep. 2014

| No. | Export Countries/Areas | Export Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 595,367                     | 162.85%                                     |
| 2   | Taiwan                 | 127,713                     | -35.99%                                     |
| 3   | France                 | 78,435                      | 29.99%                                      |
| 4   | Germany                | 59,703                      | 8.65%                                       |
| 5   | Japan                  | 36,469                      | -39.22%                                     |
| 6   | Republic of Korea      | 22,636                      | -82.77%                                     |
| 7   | Colombia               | 22,254                      | 2.36%                                       |
| 8   | USA                    | 19,264                      | -2.84%                                      |
| 9   | Spain                  | 17,838                      | -20.83%                                     |
| 10  | Belgium                | 15,793                      | 37.74%                                      |

Among the above 10 export countries/areas of Cast Glass and Rolled Glass from Jan. to Sep. 2014, China, Taiwan and France are among the top 3, with export value separately of about 595 million USD (increasing by 162.85% year on year), 128 million USD (decreasing by 35.99% year on year) and 78.44 million USD (increasing by 29.99% year on year).

#### 2.2.2. Drawn Glass or Blown Glass (HS: 7004) Main Export Countries/Areas, from Jan. to Sep. 2014

| No. | Export Countries/Areas | Export Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | Japan                  | 847,859                     | -28.97%                                     |
| 2   | USA                    | 222,821                     | -27.76%                                     |
| 3   | China                  | 71,267                      | 9.71%                                       |
| 4   | Germany                | 39,511                      | -4.68%                                      |
| 5   | Switzerland            | 27,632                      | -0.54%                                      |
| 6   | Republic of Korea      | 11,107                      | 9.21%                                       |
| 7   | United Kingdom         | 6,222                       | -3.92%                                      |
| 8   | Thailand               | 5,677                       | -10.65%                                     |
| 9   | Czech Republic         | 1,957                       | -14.35%                                     |
| 10  | Turkey                 | 1,935                       | 60.85%                                      |

Among the above 10 export countries/Areas of Drawn Glass or Blown Glass from Jan. to Sep. 2014, Japan ranked the first, with export value of about 848 million USD, decreasing 28.97% year on year. USA and China separately ranked the second and the third, with export value separately of about 223 million USD (decreasing by 27.76% year on year) and 71.27 million USD (increasing by 9.71% year on year).

| No. | Export Countries/Areas | Export Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 456,743                     | 11.63%                                      |
| 2   | Germany                | 456,155                     | 8.69%                                       |
| 3   | USA                    | 354,272                     | 0.31%                                       |
| 4   | Japan                  | 336,324                     | -28.87%                                     |
| 5   | Belgium                | 238,528                     | -31.55%                                     |
| 6   | France                 | 238,483                     | 3.73%                                       |
| 7   | Republic of Korea      | 131,402                     | -12.62%                                     |
| 8   | Italy                  | 104,831                     | 21.05%                                      |
| 9   | Russian Federation     | 93,135                      | 20.68%                                      |
| 10  | Poland                 | 90,714                      | -15.07%                                     |

#### 2.2.3. Float Glass (HS: 7005)Main Export Countries/Areas, from Jan. to Sep. 2014

Among the above 10 export countries/areas of Float Glass from Jan. to Sep. 2014, China ranked the first, with export value of about 457 million USD, increasing 11.63% year on year. Germany and USA separately ranked the second and the third, with export value separately of about 456 million USD (increasing by 8.69% year on year) and 354 million USD (increasing by 0.31% year on year).

### 2.2.4. Tempered Glass (HS: 7007) Main Export Countries/Areas, from Jan. to Sep. 2014

| No. | Export Countries/Areas | Export Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | China                  | 1,639,389                   | 13.89%                                      |
| 2   | Germany                | 931,950                     | 11.97%                                      |
| 3   | Poland                 | 667,309                     | 29.94%                                      |
| 4   | Italy                  | 584,461                     | 3.06%                                       |
| 5   | Belgium                | 486,532                     | -7.36%                                      |
| 6   | USA                    | 357,652                     | 5.94%                                       |
| 7   | Czech Republic         | 329,377                     | 29.43%                                      |
| 8   | France                 | 329,216                     | 19.97%                                      |
| 9   | Spain                  | 208,082                     | -50.28%                                     |
| 10  | Mexico                 | 167,375                     | -7.39%                                      |

Among the above 10 export countries/areas of Tempered Glass from Jan. to Sep. 2014, China, Germany and Poland are among the top 3, with export value separately of about 16.39 billion USD (increasing by 13.89% year on year), 932 million USD (increasing by 11.97% year on year) and 667 million USD (increasing by 29.94% year on year).



#### 2.2.5. Insulated Glass or Vacuum Glass (HS: 7008) Main Export Countries/Areas, from Jan. to Sep. 2014

| No. | Export Countries/Areas | Export Value (Thousand USD) | Compared to the Same Period<br>of Last Year |
|-----|------------------------|-----------------------------|---|
| 1   | Germany                | 266,770                     | 8.14%                                       |
| 2   | China                  | 150,461                     | 17.53%                                      |
| 3   | USA                    | 124,211                     | 13.55%                                      |
| 4   | Poland                 | 103,012                     | 33.01%                                      |
| 5   | Austria                | 53,483                      | 10.99%                                      |
| 6   | Turkey                 | 50,112                      | 16.87%                                      |
| 7   | Mexico                 | 47,803                      | 2.82%                                       |
| 8   | Spain                  | 39,755                      | 9.17%                                       |
| 9   | Hungary                | 25,028                      | 3.29%                                       |
| 10  | Lithuania              | 23,637                      | 46.52%                                      |

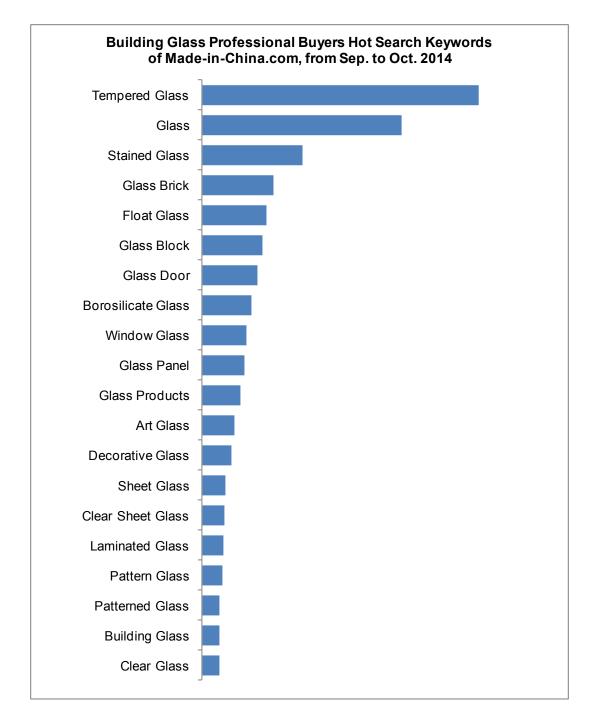
Among the above 10 export countries/areas of Insulated Glass or Vacuum Glass from Jan. to Sep. 2014, Germany, China and USA are among the top 3, with export value separately of about 267 million USD (increasing by 8.14% year on year), 150 million USD (increasing by 17.53% year on year) and 124 million USD (increasing by 13.55% year on year).

(Source:UN COMTRADE)



#### 3. Building Glass Industry Data Analysis of Made-in-China.com

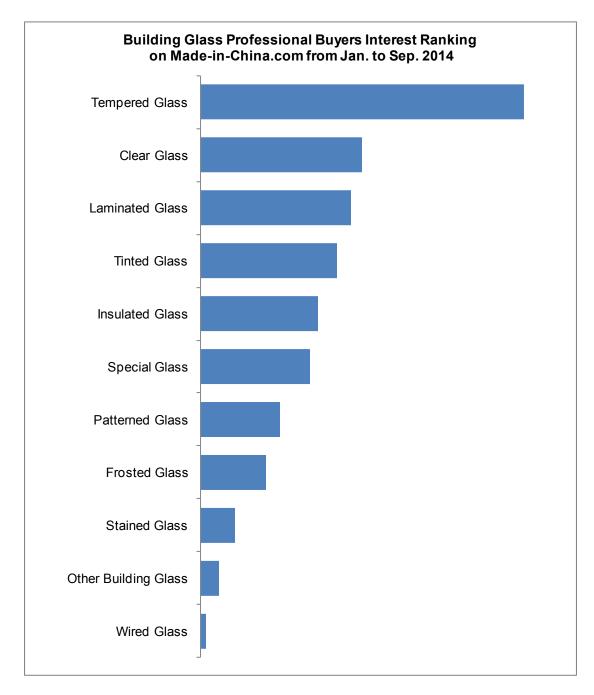
3.1. Building Glass Professional Buyers Hot Search Keywords of Madein-China.com, from Sep. to Oct. 2014



The most popular search keyword in Building Glasses industry is Tempered Glass on Made-in-China.com from Sep. to Nov. 2014, followed by glass.



3.2. Building Glass Professional Buyers Interest Ranking on Made-in-China.com from Jan. to Sep. 2014



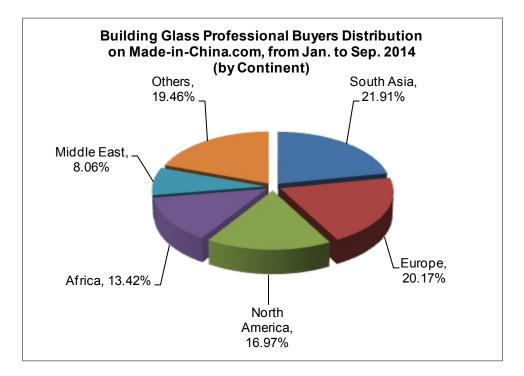
The data on Made-in-China.com show that from Jan. to Sep. 2014, Building Glass Professional Buyers paid most interest to Tempered Glass. Buyers' interest showed on it is much higher than that showed on Clear Glass, which ranked the second.





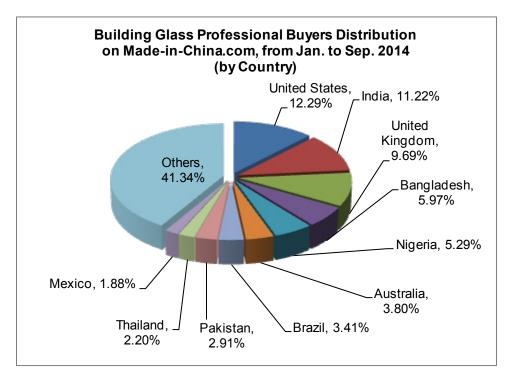
3.3. Building Glass Professional Buyers Distribution on Made-in-China. com, from Jan. to Sep. 2014

Time of Analysis:From Jan. to Sep. 2014. By Continent:





By Country:



Professional buyers of Building Glass on Made-in-China.com are mainly from the South Asia, Europe, North America, Africa and Middle East by continent, from Jan. to Sep. 2014.

Professional buyers of Building Glass on Made-in-China.com are mainly from the USA, India and United Kingdom by country, from Jan. to Sep. 2014.

(Source:Made-in-China.Com)

The IAR Team of Made-in-China.com dedicates to surveying, excavating and collating industry information for supplying the service of timely and exact information analysis, providing necessary information and dates for clients'decision.

Thanks for reading the report, if you have any questions, opinions or advices, please contact us.

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Web: http://www.made-in-china.com/communication/market-analysis.html





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