

- ❖ How many spring manufacturer are in your country
- ❖ If you have an association, how many are in this association
- ❖ Turnover in spring industry
- ❖ Structure of companies / turnover or employees
- ❖ How many employees are in spring industry
- ❖ Percentage of direct export
- ❖ What are the main customer industries
- ❖ Development of spring industry in the first 9 month 2017 in comparison with 2016
- ❖ Expectation for the next 3 month
- ❖ Development of the national economic situation in the next six month (some slides or sentences)
- ❖ the main challenges for the near future in spring industry (some slides or sentences)
- ❖ latest news

The Current Situation of Spring Industries in Japan

JSMA (Japan Spring Manufacturers Association)

Masahiko Nakatani

How many spring manufacturer are in your country ?

Spring Manufacturer

548 (2014)

Spring Manufacturer Trend

738 (2005) → 548 (2014)

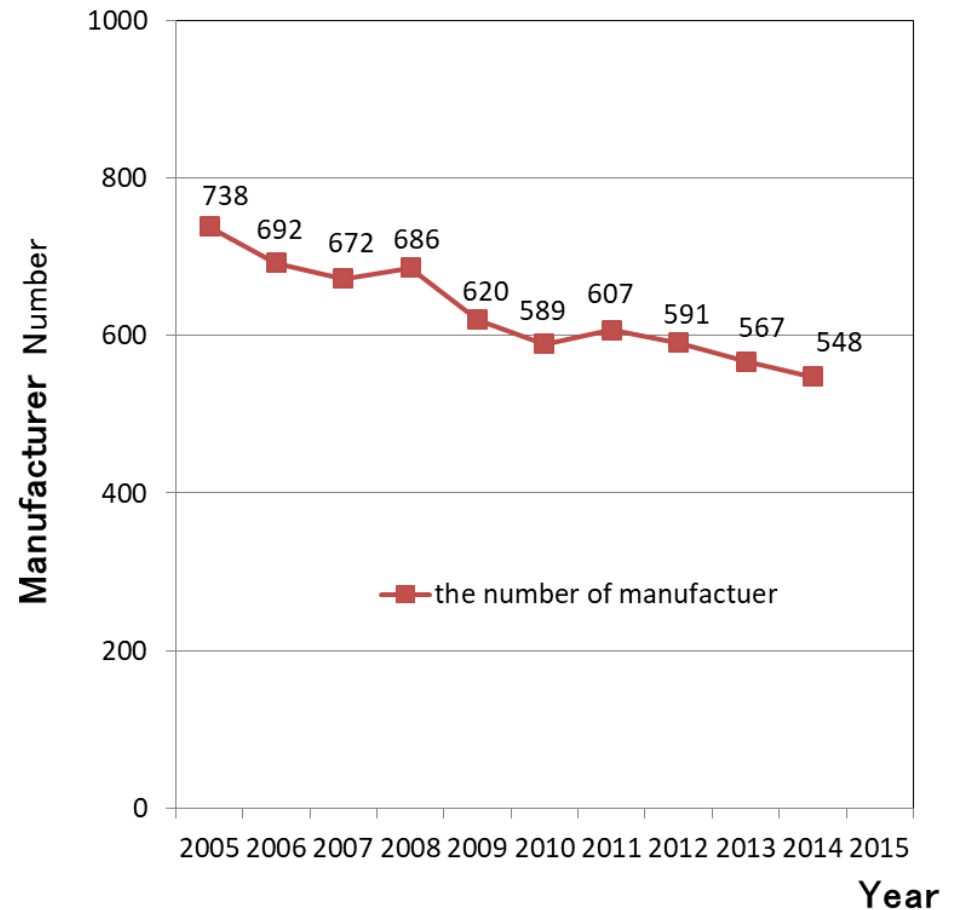


Fig.1 : The Trend of Manufacturer's Number

If you have an association,
how many are in this association ?

| Regular Member | Associate Member |
|----------------|------------------|
| 217 | 38 |

Regular Member :

Metal Spring Manufacturers with manufacturing operation in Japan

Associate Member :

Companies engaged in the manufacture or sale of materials for spring

Companies engaged in the manufacture or sale of equipment

/devices designed to improve the quality and performance of spring

Turnover in spring industry

Turnover

301,549 million yen
(2016)

In 2016 spring production sales in Japan, **down 3.1%** from the previous year

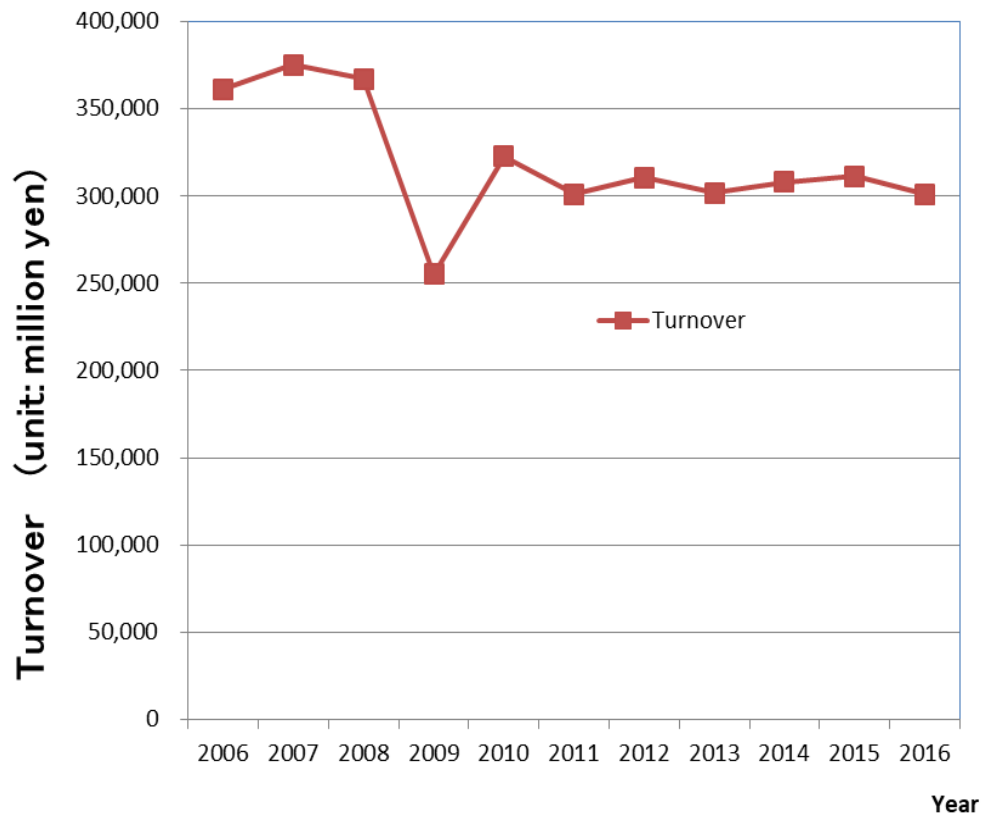


Fig.2 : The Trend of Turnover (Metal Spring)

Structure of companies / turnover or employees

Turnover

301,549
(million yen)

Employee

20,060
(person)

Company

548
(spring manufacturer)

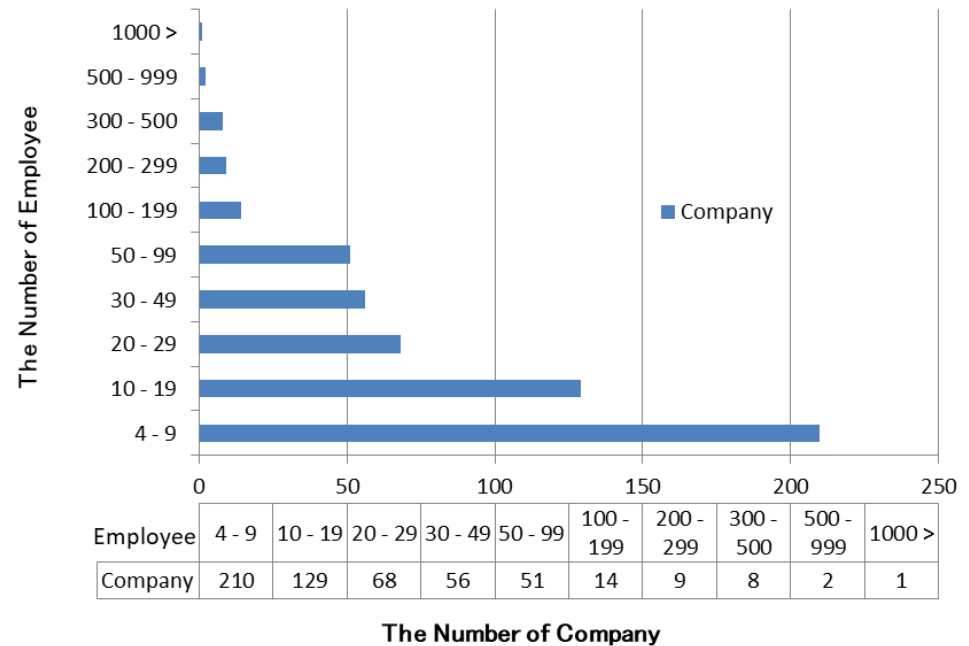


Fig-3: Company Size and Employee

Percentage of Direct Export

| Turnover | Export | Percentage |
|--------------------------|-------------------------|-------------|
| 301,549 (million yen) | 45,085 (million yen) | 15.0 (%) |

What are the main customer industries ?

| Main customer | Estimate Value |
|----------------------------------|-----------------------|
| Automotive | 65 - 70 % (67.5 %) |
| Electrical Machinery & Equipment | 10 - 15 % (12.5 %) |
| General Machinery | 10 - 15 % (12.5 %) |
| Other | 5 - 10 % (7.5 %) |

Development of spring industry in the first 6 month 2017
in comparison with 2016
Expectation for the next 6 month

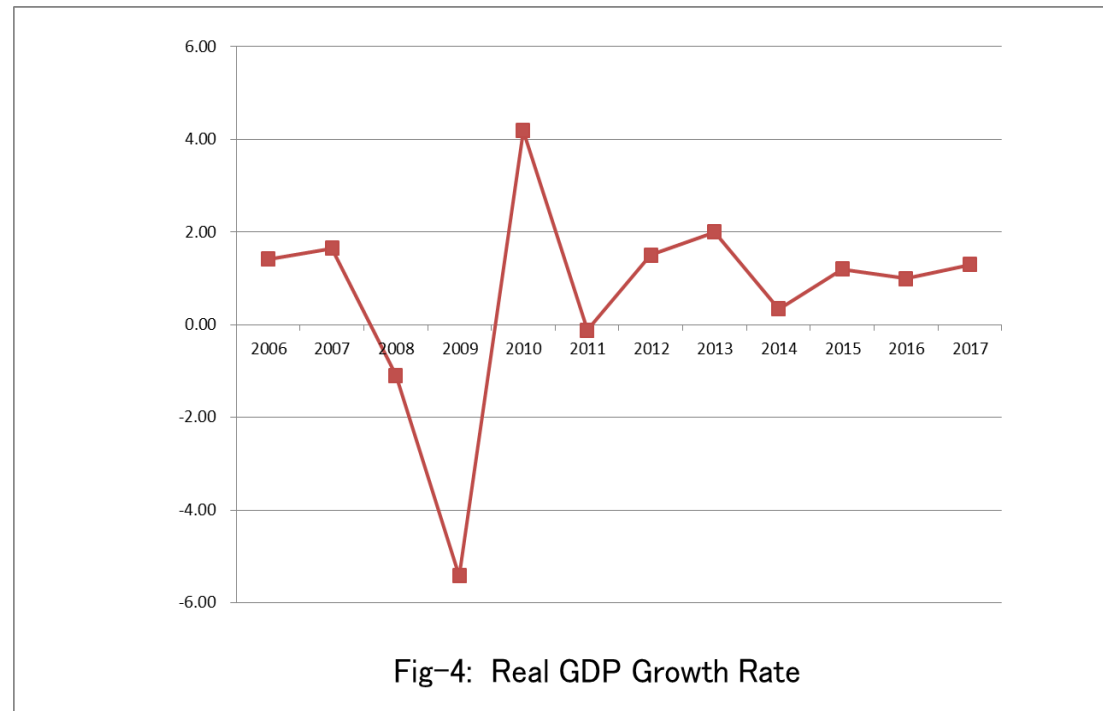
| Turnover 2016.1-6 | Turnover 2017.1-6 |
|--------------------------|--------------------------|
| 148,318 (million yen) | 155,398 (million yen) |

Metal Spring Production in Japan totaled 155,398 million yen,
up 4.8% from the previous year.

Development of the national economic situation in the next six month

| GDP | Growth Rate |
|------|-------------|
| 2014 | 0.34 % |
| 2015 | 1.20 % |
| 2016 | 1.00 % |
| 2017 | 1.30 % |

IMF Outlook
1.30 % (2017)



The main challenges for the near future in spring industry

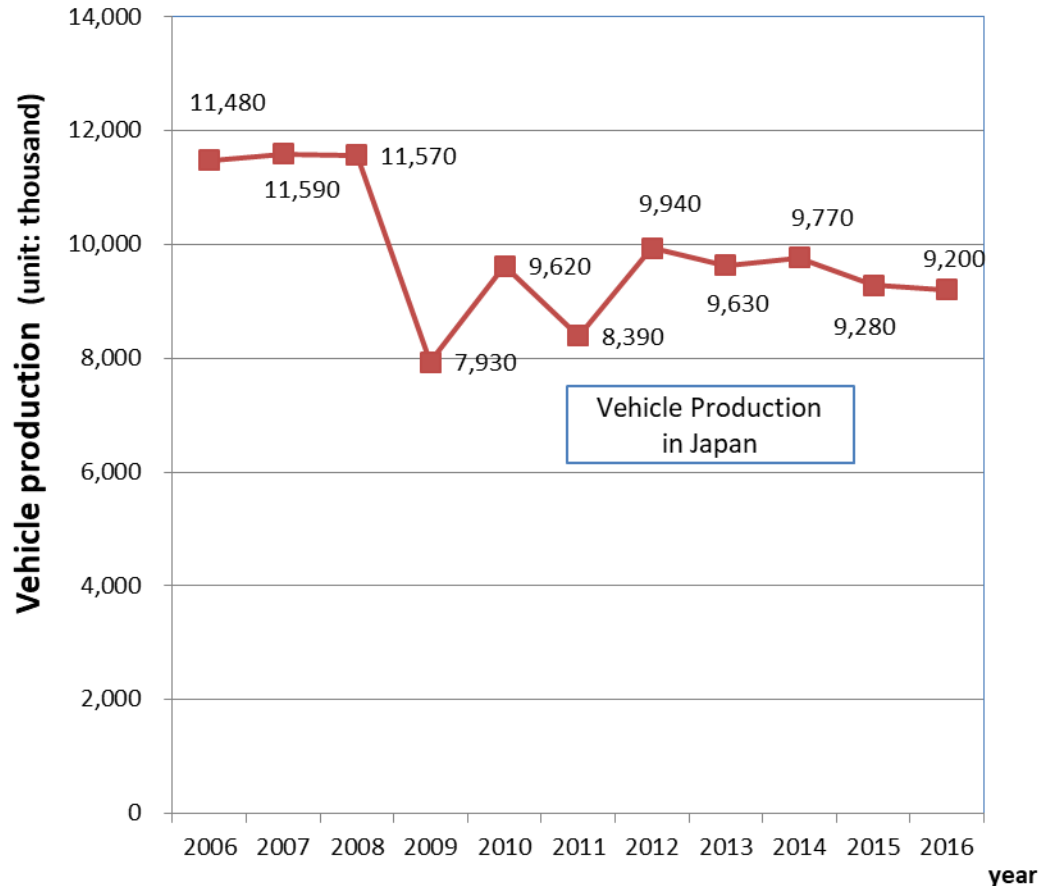


Fig-5: The Trend of Vehicle Production in Japan

Japan's economy is expected to grow again this year—at 1.3 percent. But a rapidly aging population and a shrinking workforce mean that the country will need to speed up reforms to boost wages, productivity, and growth, said the IMF about the Japanese economy.

Latest News

The ceremony marking the 70th anniversary of the foundation

2018.05.29 Shin Yokohama Prince Hotel

URL : <http://www.spring.or.jp>

< Name >

JSMA : Japan Spring Manufacturers Association

<Established>

March 25, 1948

<President>

Mr. Kazumi Tamamura

(Chairman & CEO: NHK SPRING CO.,LTD.)

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