

Visit KIRIN beer factory

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Abstract: What do you do as you feeling bad, happy or emotional state? You must have alcohols, especially THE BEER! Unfortunately almost all engineers don't know how to make it or experience manufacturing process. We have to learn that the process of beer is made delicious. In this event, we visited KIRIN beer factory and discussed beer with professionals in KIRIN.

Time schedule

16th Sep, 2016

13:50 - 14:05 Invitation about IEEE YP

14:05 - 14:10 Greeting deputy factory director

14:10 - 14:30 Lecture from KIRIN engineers

14:30 - 14:50 Q&A

15:00 - 16:10 Factory tour

1. Invitation about IEEE YP

IEEE Nagoya YP Chair Dr. Suzuki told about its activities.



Fig.1. Invitation about IEEE YP

We provide the opportunity to touch the research and development process in the traditional industries.

2. Greeting deputy factory director

Deputy factory director, Mr. Kajiyama,

welcomed us and introduced KIRIN company which treat many kind of fields, which are not only beverage but also bio, medical engineering and so on.



Fig.2. Greeting deputy factory director

3. Lecture from KIRIN engineers

There were two lectures by Mr. Kawaguchi who is packaging engineer and Mr. Nishiyama who is environment safety engineer.

Mr. Kawaguchi taught us about beer packaging system in KIRIN. It was very interesting for us because he referred in great detail about manufacturing technology.

Mr. Nishiyama taught us about monitoring system for manufacturing. They use complex networking system to monitor easily whole factory.

After this lecture, we discussed technical issue about beer manufacturing. It was very significance for all participants.



Fig.3. Teachers and participants

4. Factory tour

We visited KIRIN factory to learn how beer is delicious. Beer manufacturing process is as follows.

- 1) Peel the wheat
- 2) Preparation in the cauldron
- 3) Fermentation
- 4) Aging beer
- 5) Filtration
- 6) Packaging (Lectured in this event)

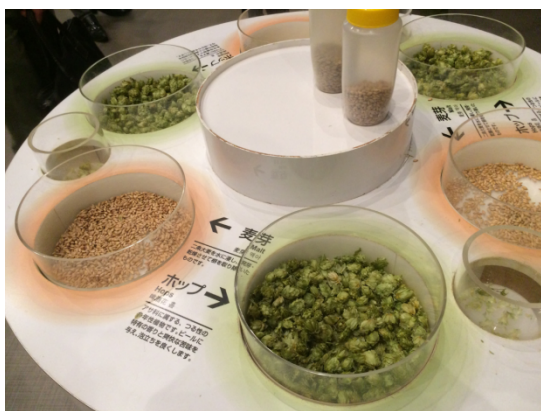


Fig.4. Raw materials of beer
– Wheat and hop

We tried to eat wheat and hop. It was not good tasty yet.

Beer was poured in cans very quickly.

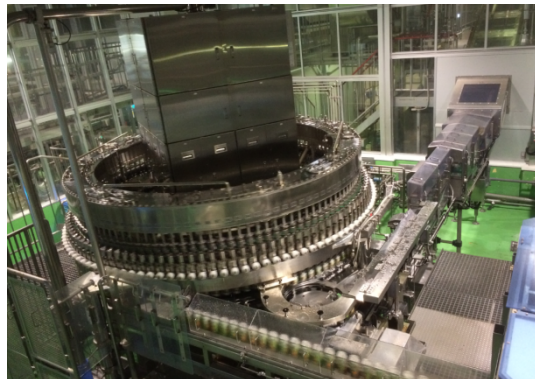


Fig.5. Pour the beer in cans (Packaging)

We tried three kinds of KIRIN beer.



Fig.6. Fresh KIRIN beer

5. Acknowledgments

I would like to express the deepest appreciation to Mr. Kajiyama, Mr. Nishiyama, Mr. Kawaguchi, and Ms. Ishiguro. Without their encouragement, this event would not have materialized. Also we give thanks to the people who have participated in this event. “As beer will be delicious in your life.” Thank you.