

## X-in-1 debuts! Interview with all involved parties - e-Powertrain Plant Part 2



The third installment of our project, which takes a closer look at the electric powertrain "X-in-1," which began production in fiscal 2025, is finally here. This time, we visited the e-powertrain plant in the Fuji Area 4. We spoke to people who have tried out various new technologies and new construction methods that are different from those used in the AT/CVT era. In the second part, we will be looking at the gear, case, logistics, and assembly staff in the e-Powertrain Manufacturing Division.

### Gear

#### Suzuki, Manufacturing Department, e-Powertrain Plant

I am in charge of the raw gear processing line. We process the gears through processes such as broaching, gear cutting, and shaving, which are common to other gears, and then ship them for heat treatment. As my work became more electronic, I was anxious about how it would differ from my usual work, but at the same time, I was excited to learn new things. This time, we adopted a new electronic checklist that utilizes a strength robot and tablets, and we made progress by working with the manufacturer and the DX team to share it with our own group and other groups. To be honest, there are still many challenges ahead. I am not satisfied with the current situation, and if there were even the slightest change, I would like to

compare it with the better state.



Suzuki, who oversees gears at the e-Powertrain Plant Manufacturing Department.



First collaborative robot introduced

## Case

### Okano, Manufacturing Department, e-Powertrain Plant

I am the acting foreman for the cover and case lines. This was the first time we had done a simultaneous project (an activity in which each department cooperates and works simultaneously to speed up the start-up and maintain quality, delivery dates, and costs), so we thought of ways to make the work easier for ourselves, such as creating forms, standard operating procedures, and equipment inspection standards. I'm glad that I can now use Excel functions through Simul. There are about 180 people in charge of X-in-1 cases, and I am aware of how difficult it is to manage attendance and communication. Production has started in the blink of an eye, but we will continue to work hard and stay positive.



Okano, who oversees the case, is from the Manufacturing Department at the e-Powertrain Plant.

## **Logistics**

### **Ishihara, Manufacturing Department, e-Powertrain Plant**

I oversee logistics. When I heard that they were doing X-in-1, I was honestly just excited. We have been working on the project while talking with technical people with whom we have had little contact until now. I think I need to act myself to turn this experience into growth. I'm not the only one acting; JATCO currently has many energetic young employees, so I will convey my vision and thoughts to them.



Ishihara, who is in charge of logistics at the e-Powertrain Plant Manufacturing Department

### **Mochizuki, Manufacturing Section, e-Powertrain Plant**



The factories in the four regions are not only new, but also involve the logistics of existing parts, so it was difficult to handle the process effectively. Despite the various challenges and problems, we have been working to realize the lines we have envisioned as much as possible, keeping in mind that we should simply do what we can.



Mochizuki, who oversees logistics at the e-Powertrain Plant Manufacturing Department



## **Assembly**

### **Osumi, Manufacturing Department, e-Powertrain Plant**

I oversee leading the assembly process within the walls of the factory. We joined the project midway through Simul, so I'm honestly happy to be able to start production. When we started electrifying the car, we had to deal with magnets, and at first, we didn't even know the units used for these parts, so we started from scratch. Sometimes my employee ID card would react to a magnet while I was working. There were quite a lot of robots operating on this line, and it was quite difficult to operate them. We also trained the maintenance staff here. I think we will

be using a lot of robots at other bases in the future, so I would like to improve my skills and put them to good use in the future.



Osumi, who oversees assembly at the e-Powertrain Plant Manufacturing Department



Group photo at the shipping ceremony held in April 2025