[CMP Segment]

Question	Answer	
The precision reduction gear business seems sluggish,	We have currently observed no significant change in the market environment. We	
posting a year-on-year decrease of 6% in orders received	anticipate a strong trend in orders received for the current fiscal year. As far as monthly	
for June. Are there any changes in the current market	orders received are concerned, small changes may occur depending on the number of	
environment?	business days per month, which will generate a difference in orders received from the	
	actual trend of demand. (The discrepancy is partly attributable to the high number	
	recorded in the same month last year.)	
With regard to the market environment of precision	We once had a bitter experience during the period when market demand increased sharply	
reduction gears, you explained at the beginning of the	whereby industrial robot manufacturers, our customers, placed a large-volume order as	
current fiscal year that you had a concern regarding the	they had a concern about the limits of our production capability. Since then, we have	
standing stock of industrial robots in the Chinese market.	never failed to check the production plans and inventories. We are not in a position to	
What is your evaluation of such a risk right now?	know the entire market inventory of industrial robots. While it is likely that some local	
	sales agents, etc. have standing stock of robots, the growth trend remains unchanged as a	
	whole. Therefore, this is not a big concern for us.	
There are upward trends in both orders received and sales	We forecast future orders received and sales to grow, rather than remaining flat. At the	
in tandem with future market growth as robot	beginning of the current fiscal year, we had estimated growth in sales for the industrial	
manufacturers, as customers of Nabtesco, have	robot business at approximately 10% per annum, but we made an upward revision to	
aggressively enhanced capabilities. In contrast, however, I	approximately 25% per annum. From medium-term perspectives, the market growth rate	
have the impression that Nabtesco expects that future	of industrial robots up to 2020 is 15% per annum according to the forecasts made by the	
orders received and sales will remain flat. What is the	IFR (International Federation of Robotics). On the back of this market growth, our	
reason for those forecasts?	income will also continue to grow.	

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Question	Answer	
We hear that advance order placement often occurs in the	I would dare say that the supply of robot components of other companies may be delayed,	
factory automation industry by customers who have a	but as far as our precision reduction gears are concerned, we believe that our supply and	
concern about incapability of supply. How do you manage	demands from robot manufacturers are well balanced as we conduct production	
and examine the risk of such advance order placement?	adjustment very carefully. The risk of standing stock has not emerged so far as we	
	communicate closely with our customers on this matter.	
With regard to the plan to increase the production capacity	As of the beginning of 2017, the annual production capacity of the plants in Japan and	
for precision reduction gears, when do you plan to reach	China totaled 640,000 units. The Board of Directors already decided to increase this	
annual production of one million units? Please explain in	number to 760,000 at the end of 2017 and 840,000 at the end of 2018. These numbers,	
detail your outlook and the investment schedule.	however, show the production capacity measured on the regular operation basis, and will	
	be bigger, theoretically, if we increase the number of operation days. For example, if the	
	annual capacity reached 840,000 on the basis of regular operation at the end of 2018,	
	production can be increased to approximately one million per year. We plan to continue to	
	increase production capacity in consideration of market demand, and, according to our	
	estimate, we are likely to achieve one million units on a regular operation basis earlier	
	than we initially assumed.	
Please provide the approximate productivity per capita	We are not in a position to disclose the productivity per capita of precision reduction	
when the production capacity for precision reduction gears	gears only, but we aim to improve the productivity by 10% by 2020. Currently, in the	
reaches one million units.	precision reduction gear business, we focus on increasing production capability partly in	
	order to meet the requirement for delivery period, but in the future, we will also improve	
	productivity by investing in automatization, etc.	

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Question	Answer
Can selling price be raised as the market demands for	Basically, our price policy does not include the raising of selling price in response to an
precision reduction gears and hydraulic equipment	increase in market demand. We believe that we need to cooperate with our customers in
increase?	terms of price in order to maintain excellent relationships with them and steadily increase
	our market share. On the other hand, it is our policy to set selling prices of new products
	in consideration of their added value.

[TRS Segment]

Question	Answer
Please explain the sales plan and its breakdown of railroad	At the beginning of the current fiscal year, we had anticipated that annual sales of railroad
vehicle equipment in China.	vehicle equipment in China would reach 9.3 billion yen, of which high-speed railway
	vehicles and subway vehicles accounted for 60% and 40%, respectively. However, on the
	back of the slowdown of orders received in high-speed railway vehicles, we revised
	downward the annual sales plan to 7.7 billion yen, of which high-speed railway vehicles
	and subway vehicles accounted for 55% and 45%, respectively.
Do you see the possibility of achieving the sales target for	As to the sales target for the current fiscal year for the aircraft equipment business, we
the aircraft equipment business for the current fiscal year?	anticipate a decrease in sales compared with the previous fiscal year in line with the plan
Please explain the sales plan for the next fiscal year.	made at the beginning of the fiscal year, due to the impact of decreased production of the
	B777. In the next fiscal year, 2018, sales growth due to increased production and
	improvement of profitability can be expected compared with fiscal 2017 resulting from
	the increase in production of actuators for the B737 MAX, which was initiated from this
	year.
What are the factors of increase and decrease in operating	The negative factors in full-year operating income include the decrease in the railroad
income on a full-year basis? Please explain the impact of	vehicle equipment for the Chinese high-speed railways, although the positive factors,
purchase price allocation (PPA) of OVALO, which was	including the increase in profit due to sales growth in the precision reduction gear
acquired in March 2017.	business and hydraulic equipment business, exceeded the negative factors.
	The amortization arising from PPA of OVALO amounts to just several hundreds of
	million yen.

[MFR Segment]

Question	Answer
What is the significance of holding CMET Inc., a 3D	For example, in the aircraft equipment business, we use CMET's technology in such cases
printer manufacturer, as a subsidiary of Nabtesco in the	as bringing trial products made using CMET's Stereo lithography systems to Boeing to
MFR segment?	explain our new design models. We also expect that the business of CMET Inc. has
	potential for future growth. Therefore, we will not exclude CMET from our portfolio.

[Group-wide basis]

Question	Answer
Please explain the trend of maintenance, repair and	While MRO accounts for about 20% of sales of the entire Company, there are almost no
overhaul (MRO) compared with the assumption.	sales recorded in MRO in both the precision reduction gear business and the hydraulic
	equipment business. Therefore, we see a trend in which the ratio of MRO sales to the total
	sales of the Company will decline if the ratio of sales for these businesses rises. At
	present, sales have been almost in line with the plan. On a full-year basis, we do not
	assume that there will be a significant difference in the ratio of MRO sales between the
	first half and the second half.
Please explain how the acquired companies have	ITG, which Nabtesco acquired last year in the commercial vehicle equipment business,
contributed to the improvement of income.	aims to demonstrate the effects of the acquisition mainly in the field of development, but
	it takes time to commercialize new products. With respect to OVALO, which was
	acquired in March 2017, we will manage it more closely through a European holding
	company established inside OVALO in May 2017 with the aim of realizing the effects
	such as the advancement of R&D as early as possible.
What are the short-term and long-term purposes of your	The purposes of introducing the work style reform are as follows: By shortening business
work style reform?	hours, the employees can carve out meaningful time away from work; they can enjoy
	their personal lives and feel refreshed when they perform their work. And as a result, the
	Company can expect increased income.

[Productivity Improvement]

Question	Answer	
Please explain the definition of "Productivity" in terms of	In general, "Productivity" is often measured by the difference between the standard cycle	
"the improvement of productivity."	time and the actual time, but we faced a challenge in uniformly defining "Productivity"	
	because the Company operates many businesses of different types. However, after the	
	Production Innovation Division was established, we worked on the unification of the	
	index of "Productivity." As a result, we have adopted "Per capita production added-value"	
	as the common index for "Productivity." If productivity can be improved by	
	approximately 10% from now during the period of the Medium-term Management Plan,	
	we expect that will be one of the factors underpinning the reference value of 12.7% for	
	operating margin in 2020.	
How do you expect ROIC (return on invested capital) to	Following the introduction of ROIC as an internal index this year, each department	
rise as a result of capital expenditure for the improvement	centering on the direct departments began to address the challenges to improve ROIC. As	
of productivity?	to capital expenditure, efforts have been made to contribute to the improvement of	
	profitability.	
What will be the impact of additive manufacturing on the	AM (additive manufacturing) will surely enable us to reduce manufacturing processes and	
"Monozukuri (Manufacturing) innovation" in innovative	the weight of products, but we still face challenges in terms of strength and accuracy.	
production technology development?	While we have already achieved success in the process of making prototypes for	
	development, verification is needed to apply AM to the production phase and mass	
	production of our products.	

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Question	Answer
What background factors were there for the growth in positive sentiment	About two years ago, when our businesses were sluggish, we had a
around manufacturing innovation within the Company?	renewed opportunity to search for possibilities for contributing to the
	improvement of profitability from the viewpoint of improving productivity
	as the starting point of manufacturing. That opportunity led us to launch
	new mechanisms to generate horizontal synergies in an effort to improve
	productivity, which until then had been carried out independently by each
	division and each plant.
Do you expect you will be able to reduce production facilities while	One of the viewpoints regarding the improvement of productivity is the
maintaining production capability in the near future?	output per unit area of a plant, which is significantly affected by the area
	in which machinery is located. For example, in the hydraulic equipment
	business, we improved the production line for higher efficiency four or
	five years ago, but we will pursue higher productivity by introducing
	machinery and facilities that occupy smaller space but are capable of
	higher production.