

Corporate Governance Initiatives

Topcon has established the TOPCON Corporate Governance Guidelines, in pursuit of the sustainable growth and medium- to long-term enhancement of the corporate value of the Topcon Group (hereinafter, referred to as the "Group"), comprising the Company and its affiliates. The Guidelines are based on the TOPCON WAY, which forms a set of fundamental values, evaluation standards, and basic principles of conduct that are to be shared by directors, executives, and all other employees of the Group to achieve effective corporate governance.

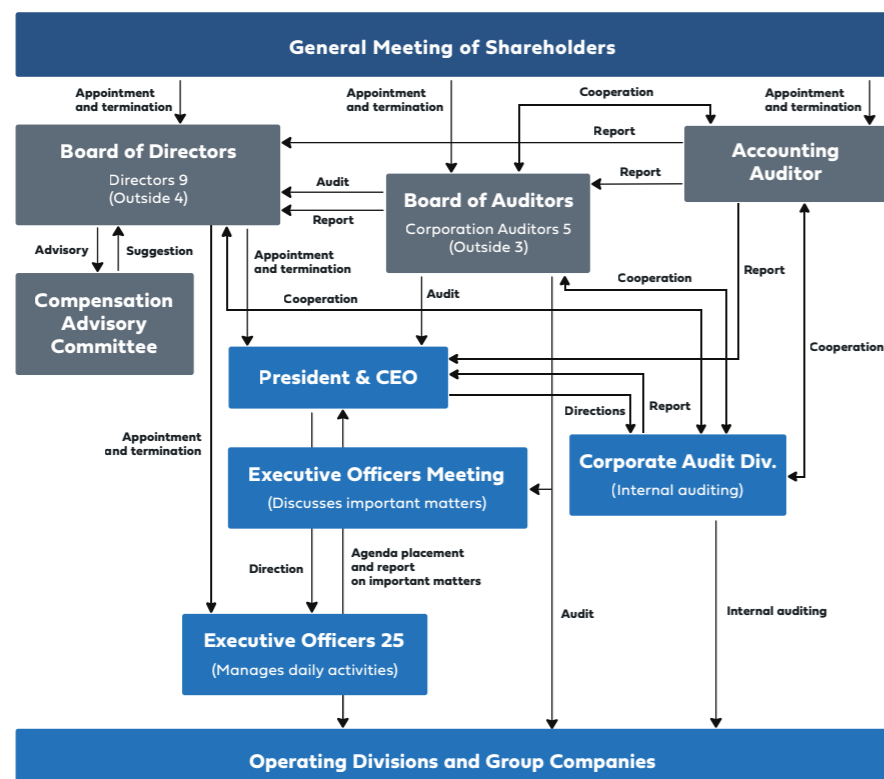


Outline of Corporate Governance

Outline of the Corporate Governance Structure

Corporate Organization

Topcon has adopted the corporate structure of a Company with a Board of Corporate Auditors under the Companies Act. The Board of Corporate Auditors and the Corporate Audit Division (internal audit department) mutually discuss audit plans and policies, and work in mutual cooperation by regularly sharing information throughout the fiscal year, in order to increase the efficiency and effectiveness of the work of the Corporate Auditors.



* Reports to the Board of Directors, the Board of Corporate Auditors, and President & CEO in a timely manner if any significant issue is discovered.

Board of Directors

Roles and responsibilities of the Board of Directors

The Board of Directors recognizes its fiduciary responsibility to the shareholders, towards the sustainable growth and medium- to long-term enhancement of the corporate value of the Group. Based on such recognition, the Board of Directors works to achieve improved management efficiency, in addition to maintaining management soundness, ensuring transparency in management, and fulfills its responsibilities towards all stakeholders of the Group.

- To fulfill the above-stated responsibilities, the Board of Directors conducts assessments of performance, appropriate development and implementation of the internal control system and the risk management system, and supervision of the overall business management of the Group, from an independent and objective standpoint.
- The Board of Directors makes decisions on matters provided for in laws and regulations, and the Articles of Incorporation, as well as on important matters relating to business management. The Board of Directors has adopted the Executive Officer System as a business execution system

based on its decision making, and delegates day-to-day business execution to Executive Officers. Executive Officers are appointed by a resolution of the Board of Directors, taking into account their level of knowledge and experience required by the business domains of the Group.

- The Board of Directors has established a system to respond to cases where a Corporate Auditor or the Accounting Auditor discovers misconduct and requests appropriate measures, or identifies any inadequacies or problems.
- The Board of Directors conducts an analysis and assessment of the overall effectiveness of the Board of Directors, and discloses a summary of the results.

Composition of the Board of Directors

- The Board of Directors of the Company comprises nine Directors (including four Outside Directors).
(Members of the Board of Directors)
Satoshi Hirano (Chairman, Representative Director), Takashi Eto (Representative Director), Haruhiko Akiyama (Director), Takayuki Yamazaki (Director), Kaoru Kumagai (Director), Kazuyuki Matsumoto (Outside Director), Ryo Sudo (Outside Director), Naoko Yamazaki (Outside Director), Yoshiharu Inaba (Outside Director)
- The Company ensures that there is a system in place to supervise the operation of the Company by appointing at least two Independent Outside Directors, who express their opinions from an independent and objective standpoint at the meetings of the Board of Directors.
- The Board of Directors is composed of Directors with different backgrounds in terms of expertise and experiences, and maintains an appropriate number of Directors to ensure that the Board of Directors can effectively exercise its decision-making and supervisory functions.

Internal control system

To ensure smooth business operations under appropriate controls, the Board of Directors sets forth basic policies regarding the development of the internal control system, and supervises the establishment of the Group's structure and its operational status in terms of compliance, ensuring appropriate financial reporting, and risk management.

- The Company has established the Corporate Audit Division as an internal audit department to validate the appropriateness and effectiveness of internal management systems, and maintains a system that facilitates the timely reporting of significant matters to the Board of Directors.
- The Company has established the Basic Rules for Risk and Compliance, for a risk management system capable of responding to any risk that arises within the Group in a timely and appropriate manner, depending on the nature of the risk.

- Competing transactions of Directors, transactions between Directors and the Company, and transactions that involve conflicts of interest between the parties shall be matters to be approved by the Board of Directors.

Board of Corporate Auditors

Roles and responsibilities of the Board of Corporate Auditors

The Board of Corporate Auditors recognizes its fiduciary responsibility to the shareholders, towards the sustainable growth and medium- to long-term enhancement of the corporate value of the Group. Based on this recognition, the Board of Corporate Auditors ensures corporate soundness and strives for the common interests of the shareholders.

- The Board of Corporate Auditors collaborates with Outside Directors and the internal audit department.

Composition of the Board of Corporate Auditors

- At least half of the Board of Corporate Auditors shall be Independent Outside Corporate Auditors, in order to ensure transparency and fairness.
- The Board of Corporate Auditors of the Company consists of five Corporate Auditors (including three Outside Corporate Auditors).
(Members of the Board of Corporate Auditors)
Shokyu Nakamura (Chairman, Full-time Corporate Auditor), Nobuyuki Ryu (Full-time Corporate Auditor), Tatsuya Kuroyanagi (Corporate Outside Auditor), Kiyoshi Suzuki (Corporate Outside Auditor)
- Corporate Auditors with the appropriate experience and skills have been appointed.
- The Board of Corporate Auditors appoints Corporate Auditors with the knowledge of finance, accounting, and legal matters necessary to serve on the Board of Corporate Auditors, and in particular, appoints at least one Corporate Auditor with sufficient knowledge of accounting.

Relationships with the Accounting Auditor and the internal audit department

The Board of Corporate Auditors has established a system to conduct sufficient and appropriate audits, in collaboration with the Accounting Auditor and the internal audit department.

- The Board of Corporate Auditors checks the independence and expertise of the Accounting Auditor, by formulating standards for the proper appointment and assessment of the Accounting Auditor.
- The Board of Corporate Auditors has established a system to respond to cases where the Accounting Auditor or the internal audit department discovers misconduct and requests appropriate measures, or identifies any inadequacies or problems.

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Accounting Auditor

The Accounting Auditor assumes an important role in guaranteeing the reliability of the financial information of the Group, and bears responsibility toward the shareholders and investors.

- A system has been secured under which the Accounting Auditor can conduct appropriate audits in collaboration with the Board of Corporate Auditors.
- The Accounting Auditor ensures independence and expertise.
- The Accounting Auditor complies with quality control standards for audits, to ensure that accounting audits are conducted properly.

Compensation Advisory Committee

The Company has established a Compensation Advisory Committee that is independent of the Board of Directors, in order to ensure objectivity and transparency in relation to the handling of director compensation.

- The Compensation Advisory Committee is chaired by an Independent Outside Director, and the majority of the committee members are Independent Outside Officers. (Members of the Committee)
Kazuyuki Matsumoto (Chairman, Independent Outside Director), Satoshi Hirano (Representative Director, President & CEO), Tatsuya Kuroyanagi (Independent Outside Corporate Auditor)
- The Compensation Advisory Committee makes proposals to the Board of Directors upon receiving consultation from the Board of Directors.

Internal Audit Department, and Others

The Company has established the Corporate Audit Division consisting of seven members as an internal audit department. The Corporate Audit Division validates the appropriateness and effectiveness of the internal management systems, as described below.

- The Corporate Audit Division aims to contribute to the enhancement of the corporate governance and risk management of the Group. The Corporate Audit Division is responsible for the internal audit process, and develops a system under which the Division validates the appropriateness and effectiveness of the internal management system, including compliance, and reports to the Board of Directors, the Board of Corporate Auditors, and the President & CEO in a timely manner, if a significant issue arises.
- The Corporate Audit Division collaborates with Corporate Auditors and the Accounting Auditor.
- With respect to internal reports, the Corporate Audit Division contributes to the early discovery of risk information, and respond to whistleblower complaints in a prompt and appropriate manner.

Directors and Corporate Auditors

Directors

Directors recognize their fiduciary responsibility to the shareholders, and execute their duties as Directors towards the sustainable growth and medium- to long-term enhancement of the corporate value of the Group.

- Directors, as members of the Board of Directors, supervise the execution of business operations by Executive Directors and Executive Officers.
- Directors collect sufficient information to execute their duties, while requesting explanations on various matters, proactively expressing opinions, and holding open and constructive discussions at the Board of Directors' meetings.
- Directors proactively collect information to appropriately fulfill their roles and responsibilities, and if necessary, seek the advice of external experts at the expense of the Company.
- Directors set aside time to appropriately fulfill their roles and responsibilities in the Company, by limiting outside executive jobs to a reasonable extent when concurrently serving as executives at other companies.
- As an incentive for Directors (excluding Outside Directors), the Company offers compensation linked to its medium- to long-term business performance, towards the Group's sustainable growth and enhancement of the corporate value of the Group over the medium- to long-term.

Corporate Auditors

Corporate Auditors recognize their fiduciary responsibility to the shareholders and execute their duties as Corporate Auditors, thereby ensuring corporate soundness towards the sustainable growth and medium- to long-term enhancement of the corporate value of the Group.

- In accordance with the policies and assigned duties set forth by the Board of Corporate Auditors, Corporate Auditors conduct audits on the status of the execution of duties by the Directors and Executive Officers of the Company, through the following activities: attending important meetings of the Company, including the Board of Directors' meetings; receiving reports from Directors on the status of the execution of their duties; receiving materials and information on related matters; and, collaborating with the internal audit department and the Accounting Auditor.
- Corporate Auditors audit the decisions made by the Board of Directors, and the status of development and implementation of the internal control system.
- Corporate Auditors proactively collect the information necessary for audits through such as attending the Company's important meetings, and give appropriate feedback to Directors, as needed.
- Corporate Auditors proactively collect the information for appropriately fulfilling their roles and responsibilities, and if necessary, seek the advice of external experts at the expense of the Company.
- Corporate Auditors set aside time to appropriately fulfill their roles and responsibilities in the Company, by limiting outside executive jobs to a reasonable extent when concurrently serving as executives at other companies.

Independent Outside Directors and Independent Outside Corporate Auditors

Independent Outside Directors and Independent Outside Corporate Auditors supervise the execution of business operations, provide advice for the sustainable growth and the medium- to long-term enhancement of the corporate value of the Group, and manage conflicts of interest, while ensuring that the opinions of stakeholders, including minority shareholders, are reflected in the Board of Directors.

- The Company has four Independent Outside Directors and three Independent Outside Corporate Auditors.
- Independent Outside Directors share information regarding matters related to the business and corporate governance of the Group, and exchange opinions with each Director, Executive Officer, and Corporate Auditor.
- The Company appoints Outside Directors and Outside Corporate Auditors who meet the criteria for independence set forth by the Financial Instruments Exchange.
- Independent Outside Directors and Independent Outside Corporate Auditors strive to exchange information and share perspectives based on an independent and objective standpoint, by holding regular meetings and other occasions.

Support system for Directors and Corporate Auditors

The Company has established an effective and sufficient support system for Directors and Corporate Auditors, to assist them in fulfilling their roles and responsibilities, as described below.

- The Company runs the meetings of the Board of Directors to enable sufficient discussion at Board meetings, as follows.
 - 1) The Company prepares an annual schedule of the Board meetings and an annual plan of the matters for discussion.
 - 2) The Company sets aside time for sufficient discussion at the Board meetings.
 - 3) The Company distributes materials on matters for discussion of the Board meetings, well in advance.
 - 4) In addition to the above, the Company provides information that the Directors need for decision making and information that the Corporate Auditors need to execute their duties, as necessary.
- The Company appoints an assistant to help in the duties and other activities of the Corporate Auditors, as necessary, in order to provide the corporate information that the Corporate Auditors need, and to coordinate in-company collaboration.

Executive Compensation

Policy on Determining Details of Individual Compensation for Directors

Compensation for Directors (excluding Outside Directors) consists of fixed compensation and performance-linked compensation (short-term performance-linked compensation, medium-term performance-linked compensation, and stock options). Outside Directors and Corporate Auditors receive only fixed compensation.

The Company has established a Compensation Advisory Committee in order to ensure objectivity and transparency in relation to the handling of compensation for Directors. The Committee is chaired by an Independent Outside Director, and the majority of its members are Independent Outside Officers. The Committee makes proposals to the Board of Directors upon receiving consultation from the Board of Directors. The policy on compensation for Directors is determined by a resolution of the Board of Directors based on the discussions and proposals of the Compensation Advisory Committee.

The amount of compensation for each individual Director is determined within the total amount of compensation for

- The Company proactively provides information when Outside Directors and Outside Corporate Auditors request information necessary for the execution of their duties.
- The Company secures the budget necessary for the execution of duties by Directors and Corporate Auditors.

Training Policy for Directors and Corporate Auditors

The Company provides information and knowledge on business activities necessary for Directors and Corporate Auditors to fulfill their roles and responsibilities appropriately, as follows.

- When Directors or Corporate Auditors are newly appointed, the Company provides training on laws and regulations related to the business of the Group and corporate governance, and continues to provide such training even after they have assumed office.
- In addition to the above, when Outside Directors or Outside Corporate Auditors are newly appointed, the Company provides information regarding the Group's business and overall organization, as well as necessary information on an ongoing basis regarding the Group's business strategies and issues, even after they have assumed office.

Background for Adopting the Current Corporate Governance Structure

The Company appoints multiple Independent Outside Directors and obtains outside perspectives to enhance the supervisory function. The Company also appoints Corporate Auditors (including Outside Corporate Auditors), the Board of Corporate Auditors, and an Accounting Auditor. All of these Auditors conduct the Company's audits in collaboration with the Corporate Audit Division (internal audit department), in order to make full use of their supervisory function.

Directors determined by the resolution of a General Meeting of Shareholders, in accordance with the policy on compensation for Directors based on the discussions at the Compensation Advisory Committee. For stock options, the specific amount is determined by a resolution of the Board of Directors. For other compensation, the Board of Directors delegates determination of the specific amounts to the President and Representative Director (Satoshi Hirano, CEO), considering factors such as that the President and Representative Director has a full view of the Company's overall performance, and the procedures required to have discussions with and obtain proposals from the Compensation Advisory Committee in advance. The President and Representative Director determines the specific amounts of other compensation in accordance with the delegation. In addition, the Board of Directors has determined that the said compensation is in line with the policy on compensation for Directors, as the Compensation Advisory Committee has conducted in advance a multifaceted review of the compensation for Directors, including the assessment of its consistency with the policy on compensation for Directors.

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The Compensation Advisory Committee held a meeting to determine the amounts of compensation for Directors for the current fiscal year in May 2021, and the Board of Directors held meetings in June 2020 and February 2021, respectively.

The amount of compensation for each Corporate Auditor is determined by discussions among the Corporate Auditors, and is set within the amount of compensation for Corporate Auditors determined by a resolution of the General Meeting of Shareholders.

Fixed compensation

- Fixed compensation for Directors (excluding Outside Directors) is determined according to rank, and is paid monthly.
- Fixed compensation for Outside Directors is determined based on consideration of their roles and other factors, and is paid monthly.

Performance-linked compensation

- Performance-linked compensation for Directors (excluding Outside Directors) is calculated based on prescribed benchmarks for the relevant fiscal year. The indicators used for performance-linked compensation for Directors include consolidated profit attributable to owners of the parent and ROE, in order to boost the motivation and morale of Directors toward higher performance and to ensure the identity of interest between Directors and the shareholders.
- Short-term performance-linked compensation is calculated based on the results of the current fiscal year. Medium-term performance-linked compensation is calculated based on the cumulative results during the period of the mid-term business plan. Each compensation is paid after the end of the period to which it applies.
- Stock acquisition rights are granted as stock options to Directors (excluding Outside Directors) in order to boost motivation and morale toward the enhancement of long-term performance. The number of stock acquisition rights to be allotted to each Director is determined according to rank. Stock acquisition rights are issued by a resolution of the Board of Directors, on the condition that the rights to request compensation of the Directors whom the stock acquisition rights are allocated to shall be offset against the paid-in amount for the stock acquisition rights by an amount equal to the paid-in amount. Details of the stock acquisition rights are as described in “(2) Status of Stock Acquisition Rights,

etc.” in “1. Status of Shares, etc.” on pages 23 to 28 of the Annual Securities Report (Japanese language only).

- The results of indicators serving as the basis of performance-linked compensation for the current fiscal year are as follows: consolidated profit attributable to owners of the parent of ¥2,376 million and ROE of 3.6%. As for cumulative results for the third mid-term business plan, consolidated profit attributable to owners of the parent was ¥3,311 million, and average ROE was 2.5%.

Compensation composition ratio

- Compensation for Directors (excluding Outside Directors) consists of fixed compensation and performance-linked compensation. The ratio of performance-linked compensation to the total amount of compensation is designed to be a maximum of approximately 60% on average for each rank, depending on the performance indicators, in order to boost the motivation and morale of Directors toward higher performance.

Matters concerning Resolutions of the General Meeting of Shareholders regarding Compensation of Directors and Corporate Auditors

The compensation for the Company’s Directors set by the resolution at the 125th Annual General Meeting of Shareholders held on June 27, 2018 is as follows: a total annual amount of up to ¥800 million, consisting of fixed compensation of ¥400 million or less and performance-linked compensation determined by prescribed benchmarks for the relevant fiscal year of ¥400 million or less. The total annual compensation for the Outside Directors set by the resolution is ¥100 million or less (fixed compensation only). The number of Directors as of the close of that Annual General Meeting of Shareholders was nine (including three Outside Directors). In addition, at the 124th Annual General Meeting of Shareholders held on June 28, 2017, a resolution was made to allot stock acquisition rights as stock options to the Company’s Directors (excluding Outside Directors). The number of Directors as of the close of that Annual General Meeting of Shareholders was eight (including two Outside Directors).

Total annual compensation for the Company’s Corporate Auditors was set at ¥100 million or less, by the resolution at the 120th Annual General Meeting of Shareholders held on June 26, 2013. The number of Corporate Auditors as of the close of that Annual General Meeting of Shareholders was four (including two Outside Corporate Auditors).

Total Amount of Compensation by Category of Officers and by Type of Compensation, and Number of Officers Receiving such Compensation

Category of Officers	Total Compensation (Million yen)	Compensation by Type (Million yen)			Number of Eligible Recipients (Persons)
		Fixed Compensation	Short- to Medium-term Performance-linked Compensation	Non-monetary Compensation	
Directors (excluding Outside Directors)	281	193	66	21	6
Corporate Auditors (excluding Outside Corporate Auditors)	36	36	—	—	3
Outside Officers	60	60	—	0	6

Notes: 1) Non-monetary compensation is the amount of expenses accrued during the fiscal year for the stock acquisition rights granted as stock options.

2) One Director, who retired at the conclusion of the 127th Annual General Meeting of Shareholders held on June 25, 2020, is included in the number of Corporate Auditors (excluding Outside Corporate Auditors).

3) One Corporate Auditor, who retired at the conclusion of the 127th Annual General Meeting of Shareholders held on June 25, 2020, is included in the number of Corporate Auditors (excluding Outside Corporate Auditors).

Directors, Corporate Auditors, and Executive Officers



Directors

- | | | |
|---|--|---|
| <p>1 Satoshi Hirano
Representative Director
President & CEO</p> <p>4 Takayuki Yamazaki
Director
Managing Executive Officer</p> <p>7 Akira Sudo
Director (Outside Director)</p> | <p>2 Takashi Eto
Representative Director
Senior Managing Executive Officer</p> <p>5 Kaoru Kumagai
Director
Senior Executive Officer</p> <p>8 Naoko Yamazaki
Director (Outside Director)</p> | <p>3 Haruhiko Akiyama
Director
Managing Executive Officer</p> <p>6 Kazuyuki Matsumoto
Director (Outside Director)</p> <p>9 Yoshiharu Inaba
Director (Outside Director)</p> |
|---|--|---|


Corporate Auditors

- | | | |
|--|---|---|
| <p>10 Shokyū Nakamura
Corporate Auditor</p> <p>13 Keiji Taketani
Outside Corporate Auditor</p> | <p>11 Nobuyuki Ryu
Corporate Auditor</p> <p>14 Kiyoshi Suzuki
Outside Corporate Auditor</p> | <p>12 Tatsuya Kuroyanagi
Outside Corporate Auditor</p> |
|--|---|---|

Executive Officers

- | | | | | |
|--|--|--|---|--|
| <p>Raymond O'Connor
Senior Managing Executive Officer</p> <p>Yoshikuni Ito
Senior Executive Officer</p> <p>Kinpui Chan
Executive Officer</p> <p>Arata Kimura
Executive Officer</p> | <p>Fumio Ohue
Managing Executive Officer</p> <p>Shigehiro Ogino
Executive Officer</p> <p>Yasuyuki Ninomiya
Executive Officer</p> <p>Tsuyoshi Yoshida
Executive Officer</p> | <p>David Alan Mudrick
Senior Executive Officer</p> <p>Takaaki Hirayama
Executive Officer</p> <p>Akifumi Baba
Executive Officer</p> <p>Jamie Williamson
Executive Officer</p> | <p>Ivan Di Federico
Senior Executive Officer</p> <p>Eric Franken
Executive Officer</p> <p>Keiji Asayama
Executive Officer</p> <p>Cindy Hudson
Executive Officer</p> | <p>Reiko Watanabe
Senior Executive Officer</p> <p>Hiroyuki Nishizawa
Executive Officer</p> <p>Hideyuki Takizawa
Executive Officer</p> <p>Raymond Vallejo
Executive Officer</p> |
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Interview with an Outside Director



The Future of Topcon through the Eyes of a Legend of the Manufacturing Industry

Yoshiharu Inaba Chairman (Representative Director) of FANUC CORPORATION, and Outside Director of TOPCON CORPORATION

Yoshiharu Inaba was born in 1948 in Ibaraki Prefecture. He graduated from the Department of Mechanical Engineering, School of Engineering, Tokyo Institute of Technology in 1973, and after working for Isuzu Motors, he joined FANUC in 1983. He created numerical control (NC) devices that improved the precision of machine tools and is still involved to this day in the development of a large number of industrial robots with an exceptionally large share of the global market. He became Senior Executive Vice President (Representative Director) at FANUC in 2001, President and CEO (Representative Director) in 2003, followed by Chairman and CEO in 2016, and then assumed his current position as Chairman (Representative Director) in 2019. In 2020, he assumed his current position of Outside Director at Topcon.

FANUC CORPORATION
It is a pioneering company in CNC of machine tools (Factory Automation) market. In the field of FA, it has high market share of more than 50% in both global and domestic markets. It has net sales of ¥551.3 billion and operating income of ¥112.5 billion (for the fiscal year ended March 31, 2021).

In June 2020, a person hailed around the world as a legend in the development of industrial robots assumed an Outside Director at Topcon, namely Yoshiharu Inaba (Chairman of the Japan Machine Tool Builders' Association and a Doctor of Engineering) who concurrently serves as Chairman (Representative Director) of FANUC. What are his views on Topcon's governance? We spoke with him on various matters including his reasons for accepting the offer from Topcon's President Hirano to become an Outside Director.

Topcon is Going to Change the State of the World's Future

I am so excited to think about the various roles I will play at Topcon.

For example, in the field of machine tools which is a strength of FANUC, our customers insist strongly not to stop production lines. All machines are destined to fail eventually. That is exactly why it is important to put in place a system that notifies an administrator before a machine fails and enables the machine to be repaired immediately when it does. At FANUC, I have worked for many years with automobile manufacturers and other corporate customers that operate high-volume production lines. For this reason, I believe I can foresee what the customers who use Topcon

products will require, and give advice on how to incorporate that into corporate governance.

Furthermore, I also think that I can assist Topcon in creating its future vision. For example, rather than only focusing on Japan, President Hirano and the rest of Topcon's top management are always sensitive to global trends when they make decisions. In order to discern what will happen in the world, it is important to bring together people who are knowledgeable about various fields and hold active discussions. At Topcon's Board of Directors meetings, all Directors, including Outside Directors, speak up freely and actively and hold constructive discussions. FANUC's Board

of Directors meetings also have an open atmosphere, but I feel that Topcon's are even more open. I would like to join that team and express a wide range of views.

One thing I have realized after participating in Board of Directors meetings is that Topcon is a very passionate company. Firstly, President Hirano and the rest of the top management are enthusiastic. Their passion is also evident in Topcon's corporate governance. I think that Topcon is very good at aggressively acquiring various venture companies, including those overseas, and building synergy with them while respecting their cultures. Rather than being controlling, they build a trust relationship and create a shared dream for the future together; this cannot be done without passionate leadership and appropriate governance. Topcon also partners and builds relationships with various manufacturers of construction and agricultural machinery and medical devices, and implements the latest technologies into the society. This

is also impossible to achieve without trusted partnership that both parties can express their ideal vision on occasion, and hold strong empathetic bond each other.

Moreover, the passion of the top management lights fires in the hearts of the employees as well. One example is lens polishing. Although Topcon is receiving attention for its automation and mechanization technologies, the lenses used in its high-precision optical devices are made with the finest craftsmanship. A high level of optical technology is indispensable for surveying instruments and ophthalmic medical instruments, where Topcon has built up global large market share as its core businesses. One of these is the aspherical lens used in fundus cameras. If these lenses are not polished accurately to the sub-micron level, it's unable to capture accurate fundus images. This precise lens processing technology is imbued with the passion of the manufacturing staff.

The Innovation of Technology Draws Similar Shapes

I became an Outside Director at Topcon because FANUC and Topcon have overlapping histories. I believe it is well known that NC devices and industrial robots that FANUC invented have automated various factories around the world. Similarly, agriculture, building construction, civil engineering and healthcare worksites where Topcon operates businesses will become rapidly IT-oriented and automated going forward.

This is because the basic technology and concepts are the same. Various machine tools stand on "How to input and output." When parts are being made, the first step is to create a design using CAD and feed its data into a machine tool, and then measure the dimensions of the material to be processed. These are the "inputs." Next, the machine cuts or grinds the material precisely according to how it is programmed. This is the "output." This is the same as what Topcon is achieving in the fields of healthcare, agriculture and infrastructure. In the construction field, construction machinery will operate automatically if the design data is pre-loaded into the machinery, and GNSS and precision sensors are used to ascertain the topography shape while at the same time the position of the machinery is measured. In the case of machine tools, before numerical control became available, people would make parts by using general-purpose lathes to cut and grind materials by rule of thumb and checked dimensions with the caliper. Today, the machine tool cuts and grinds while measuring the dimensions precisely, and the finished part is removed by a robot.

Similar thing will happen not only for construction work process but also for agriculture job cycle. Combining Topcon's control technologies with existing tractor technologies will streamline entire farm job cycle such as planting, growing, and harvesting.

I think the history of humanity is at the same time also a history of tools. Iron plows and hoes dramatically improved the productivity of agriculture, and with population growth, increasing the number of people who were involved in work other than food production, and giving rise to various civilizations in each nation of the world. Similarly, the adoption of numerical control and industrial robots at factories around the world made consumer electronics, automobiles, and other goods widely used in the world. Throughout the history of technology, the evolutions of different technologies have traced similar paths. Even before President Hirano asked me to become an Outside Director, I was confident that automation and laborsaving would be realized in the fields of agriculture, civil engineering and building construction, and that the quality of these fields would also improve. That is exactly why I was very interested in President Hirano's offer.

Topcon is definitely a company that its shareholders can also trust. As with FANUC, I believe that Topcon will become a leading company that will dramatically drive the evolutions in the fields of healthcare, agriculture and infrastructure.