

Positioning Systems



Total Stations



Easy Station ES Series

- Fast and Powerful EDM
- Advanced Angle Accuracy
- The Longest Battery Life – 36 Hours!
- Rugged and User-Friendly Design – IP66
- 500 m reflectorless measurement



Direct Aiming Station DS Series

- Auto Tracking Function & Auto-Collimation Xpointing Technology
- MAGNET™ Software On-Board
- Powerful EDM
- Rugged Water-Resistant IP65 design
- 1000 m reflectorless measurement

MAGNET™
Field



Imaging Station IS Series

- A robotic instrument with Two digital cameras –wide angle and 30x tele-zoom
- High-speed Scan with live imaging
- Intelligent scan feature recognition
- Dual Communication 2.4GHz radio and Wi-Fi
- 2000m reflectorless measurement



MAGNET™
Field



Power Station PS Series

- Advanced tracking technology and New remote Control System
- MAGNET™ Field On-Board Application Software
- Fast and powerful Reflectorless EDM
- Longlink™ Data Communication
- Advanced Angle Measurement System



MAGNET™
Field



GPS Solutions



HiperV

- Dual Frequency GNSS Receiver
- Vanguard Technology™ with Rugged, Magnesium Alloy Construction
- 226-channels with Universal Tracking Technology
- Integrated RTK and Static Receiver
- Fence Antenna™ Advanced Performance
- Integrated Radio and Modern Choice with Voice Alerts



Integrated G3 Receiver GR-5

- GPS + GLONASS + Galileo Advanced G3 Technology
- 226-Channel Vanguard Technology™ with Universal Tracking Channels
- Advanced rugged system design, Advanced Fence Antenna™ Technology
- SD/SDHC memory card slot
- Internal GSM/GPRS cellular communication with Integrated UHF radio



Field Controller FC - 500

- Sunlight-readable display – 4.3 inch
- Easily rotate from portrait to landscape
- 1 GHz processor, 5 Megapixel camera
- Mil-Std 810G and IP68 certified



External Radio

- Configurable Transmit Power
- Multi-function user interface
- High Over-the-Air Link Rate
- Advanced 40 MHz Bandwidth
- Software-Derived Channel Bandwidth

Scanning Solutions



Laser Scanners GLS – 1500

- Compact low noise scanner
- Compact, all-in-one design with On-board data collection
- Eye-safe & efficient, Laser Technology
- Precise scan technology



Laser Scanners GLS – 2000

- Compact high speed laser scanner
- Highest Accuracy with Precise Scan Technology
- High Speed 360° Dome Scanning
- Long Range with Dual Camera
- Eye Safe - Selectable Laser Technology

Aerial Mapping (UAV and Drones)



- High accuracy aerial mapping and modeling with Automatic flight planning
- Simple hand launch and autopilot-assisted manual control
- Fully operational up to wind speeds of 50km/h and gusts of 65 km/h
- High resolution 16MP Fujifilm X-M1 camera onboard
- Advanced post-processing and evaluation software



Mobile HD Laser Scanner (IP-S3 HD1)

- Compact, High Density, 3D Mobile Mapping System
- World's first Play Back function to check and review the acquired data
- High-speed and high-density point cloud acquisition
- Efficient for mapping and GIS data updating
- Easy mounting setup



Levels



Auto Level AT-B Series

- Superlative Dependability and Durability Proven under Harshesht Worksites
- Rapid, stable automatic compensation
- 20cm focus for close range works
- Clamless fine horizontal adjustments
- High precision models ATB2 & ATB4



Digital Levels

- One button Triggers measurement & data storage
- 0.6 mm/0.8 mm height accuracy
- “Wave & read” technology guarantees easy & accurate measurement
- Pre-installed measurement programs
- Inverse staff reading for ceiling height

MAGNET™



INCREASED PRODUCTIVITY

The software solution that streamlines data workflow for surveyors, contractors, engineers and mapping professionals.

MAGNET Field

- Powerful and intuitive field application software that enables users to collect survey mapping data and perform construction and road layout using total stations, levels, and GPS.
- Contains all available functionality and instrument drivers. It is intended for the surveying and geomatics users who demand a wide range of functions.
- MAGNET Mobile Exchange is a free utility that connects to MAGNET Enterprise. Exchange any kind of file with the office.

MAGNET Office

Is a processing, design and drafting software suite that meets the demands of land surveyors and construction contractors. MAGNET Office is available in five versions: Tools, Topo, Layout, Site, and Site with Resurfacing.

- MAGNET Office Tools has advanced data processing and adjustment of total stations, levels, and GNSS raw data.
- Tools can be installed as a standalone or as an add-on to AutoCAD® products.

MAGNET Enterprise

Is a web browser-based environment that simplifies managing field and office data in the cloud. Track assets and communicate with everyone involved on your projects. Login from any browser for live updates. Save time and collaborate.

- Web browser access
- Map view of field data
- Live data exchange
- Data secure backup
- Chat and communicate to-do items

TOPCON

Service Centre



IECC has established a state-of-the-art Service Centre for TOPCON Survey instruments. This modern service facility is amongst the best in GCC, having several advanced diagnostic tools for carrying out repairs.

Calibration of instruments is carried out using 5 collimator system mounted on independent stands at 2 meters apart, which offers the following benefits :

- Horizontal & vertical alignment of reticles is possible. Results in higher accuracy of measurement at site.
- The collimation accuracy complies with JSIMA standards (Japanese Survey Instruments Manufacturers Association)
- Calibration is done at infinite distance resulting in most accurate and stable calibration.



Collimator
Made in Japan

We undertake calibration of all types of Total Stations and Auto Levels.

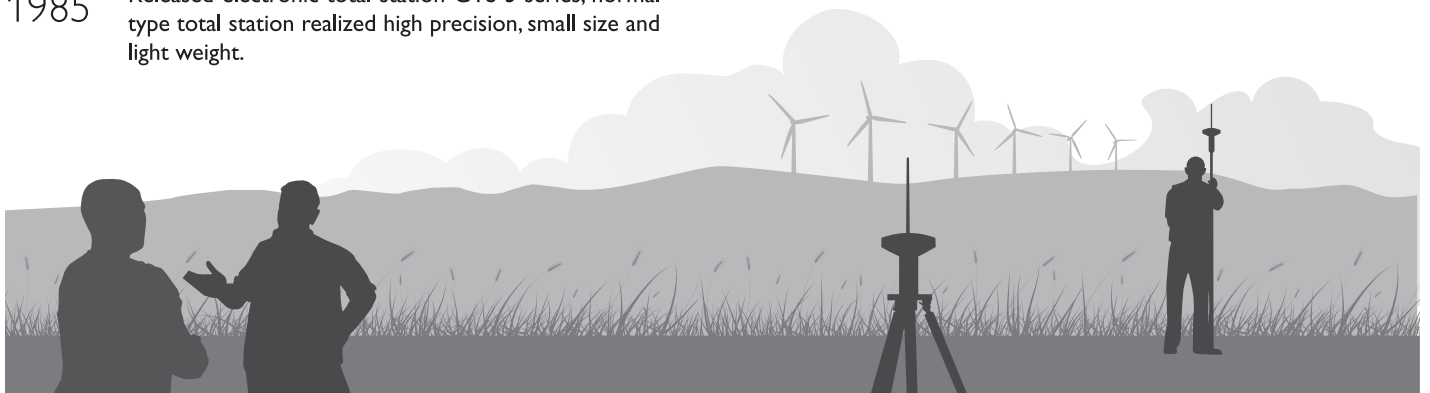
About TOPCON

Company Name	TOPCON CORPORATION
Head Office	75-1, Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan
Established	September 1, 1932
Annual Sales	¥ 130,735 million/ USD 1186 million (As of FY 2016)
No. of Employees	4,459 (As of March 31, 2016)
Major Business	Positioning (GNSS, Machine control system, Precision agriculture), Smart Infrastructure (Surveying instruments, 3D measurement, Monitoring), Eye Care (Ophthalmic instruments, Refraction instruments)
Global Network	17 Manufacturing facilities, 20 R&D Centres

History of TOPCON

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| <p>1932 Topcon Optical Co., Ltd. established based on the surveying instruments division of K. Hattori and Co. (currently SEIKO HOLDINGS CORPORATION) to manufacture surveying instruments, binoculars, cameras and optical sight for the Japanese Army.
(Head office : Ginza, Kyobashi-ku, Tokyo,
Paid in capital: 1 million yen, No. of employees: 88)</p> <p>1947 Started Ophthalmic and Medical Instruments Business. Released the company's first lensmeter, Type I.</p> <p>1963 Released TOPCON RE SUPER, the world's first single-lens reflex camera with a TTL full-aperture metering system.</p> <p>1970 Topcon Europe N.V. (currently Topcon Europe B.V.) established in Rotterdam, The Netherlands in April. Topcon Instrument Corporation of America (currently Topcon Medical Systems, Inc.) in New York, USA (currently located in New Jersey) established in October of the same year. Serve as the launching pad for further global expansion.</p> <p>1978 Released electronic distance meter DM-C1/C2. Realized the world's smallest/lightest EDM. DM-C1 improvements in the DM-C2 led to major cost reductions.

Released refractometer RM-100, the world's first refractometer with near-infrared light and a television system.</p> <p>1985 Released electronic total station GTS-3 series, normal type total station realized high precision, small size and light weight.</p> | <p>1989 Changed corporate name to TOPCON CORPORATION.</p> <p>1994 Established Topcon Laser Systems, Inc. (currently Topcon Positioning Systems, Inc.) in California, USA. Acquired Advanced Grade Technology, entry into the machine control business.</p> <p>2000 Acquired JPS, Inc. in the USA. Started selling of precision GPS receivers and related system products.</p> <p>2006 Released optical coherence tomography 3D OCT-1000. The first fusion of optical coherence tomography (OCT) with a non-mydratric retinal camera. Achieved simultaneous retinal imaging and tomographic imaging, enabling precision imaging of areas required for diagnosis.</p> <p>2006 Acquired KEE Technologies Pty Ltd., in Australia for entry into field of precision agriculture.</p> <p>2008 In order to reinforce competitiveness of the positioning business in the global market, Topcon offered a tender offer bid to Sokkia Co., Ltd. and made it a subsidiary.</p> <p>2010 Established Topcon Medical Laser Systems, Inc. by acquiring retina and glaucoma business of OptiMedica (USA) and entered therapeutic laser market.</p> |
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The Manufacturer reserves the right to change or make any technical changes without prior notice