

– Name, Logo; Philosophy



Everyone needs three things ...

It goes without saying that the prime aim of Japanese companies is to be economically successful.

However, the self-image of a Japanese entrepreneur is more strongly influenced by philosophical principles than in the Western world.

This is often shown already by means of the company name and the company logo.

That is Mitutoyo.

As the son of a highly respected Japanese temple priest, the founder of the company Mitutoyo, Yehan Numata possessed pronounced, moral ideas. Kindness, character strength, sincerity and humbleness were the terms determining the cornerstones of his life. In addition, there were aspects of the Western way of thinking based on his economically orientated studies at the Stanford University in the US.

In 1934, this intellectual equipment combined with the absolutely necessary flair of a successful busi-

nessman resulted in the foundation of a company, which had the mere aim to produce an external screw type micrometer.

However, this micrometer had to meet two requirements: It had to be the qualitatively best one in the world and at the same time cheap enough that every craftsman and very company was able to afford one.

This was not an easy task that Yehan Numata had set himself, but he was determined to solve it by means of the human strengths, which can still be found in the name and logo of the entrepreneur as his stylistic representation.

According to Yehan Numata everybody should have three essential qualities: intelligence, good nature and strength. He interpreted intelligence as the gift of exact observation, good nature as expression of sympathy and strength as an ability to fulfil recognised demands with strength.

These are three absolutely essential character strengths or three important pre-conditions you need to do good things in life and to be successful. Three: in Japanese "Mitu" or "Mitsu" is a number

which is of very great importance in the cultural and spiritual life in Japan, e.g. when listing the most important religious elements.

This is the reason why "Mitu" or "Mitsu" can be found in numerous Japanese company names – e.g. the automobile and machine manufacturer Mitsubishi (three diamonds) or the Mitsuboshi group (three stars).

In this context, Mitutoyo – roughly translated means "the wealth of the three elements" which stands for the absolute necessary combination of the character qualities "intelligence, good nature and strength highly esteemed by Yehan Numata.

He chose these three aspects as the contents of his company philosophy. Aspects, which still determine the self-image of Mitutoyo – in the traditional Japanese sense and in the Western understanding as innovation readiness, customer orientation and service strength.

The great challenge

The Japanese Mitutoyo Corporation tried to open up Europe as the second economic "overseas" market after the US. This was a bold venture because the competitive situation turned out to be very pretentious.

The creation of a good basis always belonged to the company strategy of Yehan Numata, the founder of the company Mitutoyo. For 30 years he had taken his time to establish strong foundations in Japan which were supposed to be the basis for the step of the company into the US American market in 1963. This was a clever decision proven by the immediate success.

As former student of the Stanford University with a sound education in economics and a preference for careful analyses, he gave orders for thorough field studies for the second step of the worldwide Mitutoyo expansion. The aim was to open up the second economic market of international importance: Europe.

In the mid-sixties, Mitutoyo made inquiries about the competitive situation on the spot in close

cooperation with the dealer partners – starting with Great Britain and the Netherlands followed by France. Soon it turned out that Mitutoyo products would be able to enter in competition with the established products, provided that they developed well-aimed sales strategies. Thus, the decision for a dense European commitment had fallen.

Already at this early stage, one of the most important questions to find a country which would be best suited for establishing the Mitutoyo central office for the coordination in Europe. It was relatively quickly decided to take Germany where already solid strategies were developed and realised with a strong, domestic sales partner. The present Mitutoyo Messgeräte GmbH being seated in Neuss near Düsseldorf developed from this successful connection from 1968. Starting from this basis and the close cooperation of the Japanese Mitutoyo group headquarters with national European companies a dense manufacturing, sales and service network was developed in Europe.

Nowadays, it comprises 43 different locations in 24 countries:

Mitutoyo Sales Companies:

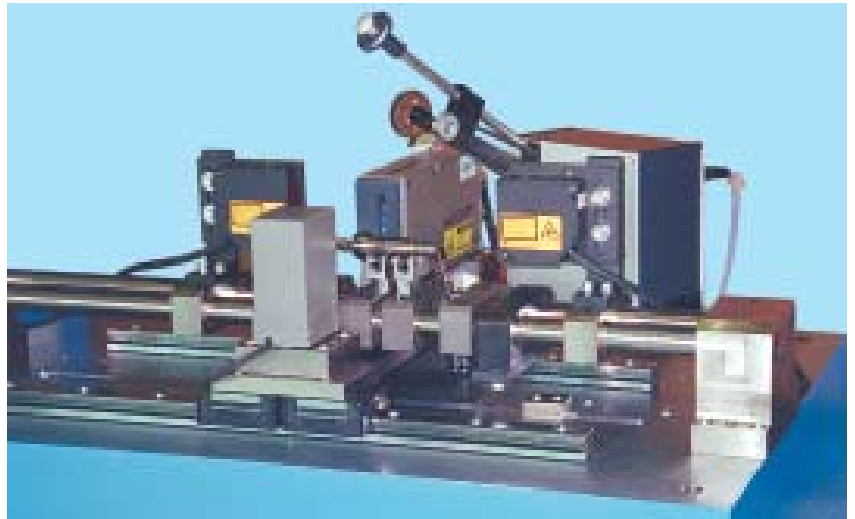
Mitutoyo Messgeräte GmbH, Germany
Mitutoyo Belgium N.V.
Mitutoyo France S.A.R.L.
Mitutoyo Italiana S.l.
Mitutoyo Nederland B.V.
Mitutoyo Schweiz AG
Mitutoyo Scandinavia AB, Sweden
Mitutoyo (UK) Ltd., Great Britain
Mitutoyo Polska Sp.zo.o., Poland
Mitutoyo Cesko s.r.o., Czech Republic
Mitutoyo Hungária

Mitutoyo Research and Manufacturing Plants:

CTL Oberndorf (Software), Germany
Manufacturing Plant Veenendaal, Netherlands
KOME G GmbH, Germany



KOMEG: Full Service For Mitutoyo Users



When the KOME G GmbH of the Saarland became a 100% subsidiary company of Mitutoyo Messgeräte GmbH an essential Mitutoyo philosophy was resolutely continued in Germany: the full service dealing with all concerns of pretentious users of measuring technology. When Komeg was founded in 1974 as "KOordinaten MEssmaschinen-Gesellschaft" (coordinate measuring machine company), it only attended to the coordinate measuring technology, which was at that time at an early stage. As partner of leading KMG manufacturers KOME G contributed essentially to its stormy advancement and spreading in almost all industrial areas.

Since the end of the seventies the activities were further expanded to other fields, first of all to computer-aided manufacturing measuring technology, then to handling and installation technology

and finally to materials-handling technology and to the general industrial plant engineering. During this diversification KOME G became a widely branched company group with numerous business premises. The "KOME G Industrielle Messtechnik GmbH" having its seat at the manufacturing location of the measuring technology in Völklingen resulted from the re-structuring of the KOME G Group in 1997. Since then, it has been a subsidiary company of Mitutoyo Messgeräte GmbH and has been concentrating on the traditional strengths of the original company: the computer-aided quality control and the coordinate measuring technology advancing more and more into the manufacturing area. In addition, the company possesses a well-founded know-how and comprehensive experience in the fields of automatic/manual loading systems as well as air-conditioning technology.

"Correct Plus", a convincing system for the feedback of correction data to machining centres, clearly proves how well the competences of Mitutoyo and KOME G complement each other in the sense of complex task solutions for pretentious customers. Another highlight is the test line "Speedway" with which KOME G reaches a level in the automobile quality control so far never achieved. This quantum jump was only made possible by means of a technology realised world-wide for the first time – namely the technology of simultaneous coordinate measuring of geometry and function in a single pass.

This founding philosophy existing for over 70 years determines the relation of Mitutoyo with its customers



Information and communication create confidence, understanding and liking

Get to know us and our competence in the European Mitutoyo customer centres or visit our websites on the internet to get a first impression. On the internet, you will obtain a general view of the company, its different departments and services as well as of all our measuring and test instruments. In case of particular questions you can directly ask per e-mail the experts of the individual departments.

Our complete energy is devoted to the Mitutoyo success factors: quality, efficiency and long service life

These factors also apply to us when dealing with our customers and planning our services. Each contact, each meeting with our customers opens new possibilities and chances for growth and further development – for Mitutoyo as well as for our customers. We appreciate the efforts and performance of everybody who is involved in this process, of our customers, our dealers and our well-trained staff.

– Our Investment In The Satisfaction Of Our Customers

Service

– Tailor-made for you



With competent advice, training, documentation, installation, startup, maintenance and calibration as well as comprehensive information in the Mitutoyo media network, you can make from us valuable services. Services, which make sure that you will certainly make the correct choice and that you will not be left alone with the measuring technology after purchase.

Advice Discussion – the start of a profitable association



Highly qualified staff will answer all your questions and clarify your requirements and wishes with you. Already in the searching and planning phase, the contact with us will be worthwhile. We will check together with you whether we have the correct solution for your measuring requirements. With each discussion between you and us, we will get to know your challenges and can develop our measuring instruments further on the basis of this information and create the foundations for new products. You can learn a lot during these discussions with us, which can be useful for you in future beyond your current needs.

Maintenance

– Maintaining without losing time



For high-rating measuring units, Mitutoyo offers also maintenance contracts for hardware and software. Your measuring instruments stay precise, reliable and efficient due to regular maintenance at (in general once per year).

Repair– quick, competent, immediate, on the spot



The repairs of the measuring instruments are carried out in our service workshops or in the case of coordinate measuring instruments or other high-rating instruments at your plant. Your measuring instruments will only be equipped with original replacement parts and experienced mechanics and technicians will install them.

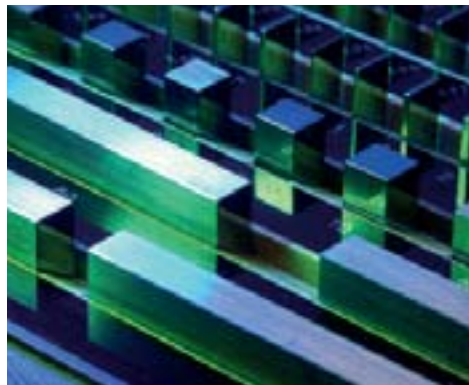
Certified – according to DIN EN ISO 9001:2000

The Mitutoyo Messgeräte GmbH has a quality management system certified according to DIN EN ISO 9001:2000

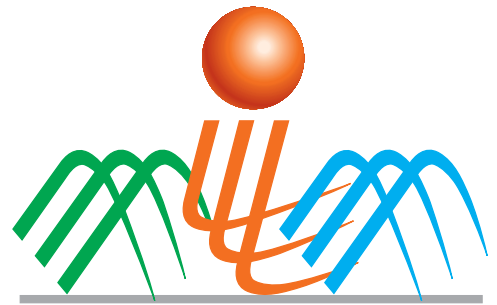


The calibration service – all sizes in the correct measure

Mitutoyo has set up its own calibration laboratories for measuring and test devices in order to constantly guarantee high quality. Experienced measuring technicians will carefully carry out the calibrations of your measuring and test instruments with the greatest thoroughness. Our calibration service ensures the reset of Mitutoyo measuring and test instruments to the linear standard. All calibration procedures correspond to the quality requirements according to DIN ISO 9000 (and later norms).



Mitutoyo Information Center of Metrology



As biggest manufacturer of measuring and test instruments in the manufacturing technology, Mitutoyo offers a comprehensive program for advanced training for all areas of the manufacturing measuring technology in Germany. In 1999 Mitutoyo Messgeräte GmbH founded the Mitutoyo Center of Metrology in the Deutschlandzentrale in Neuss. It is a training centre, which is open for all interested people. The centre is equipped with comprehensive training material in generous seminar rooms and offers in addition to training courses in technology and software, teaching courses for system applications. Besides, there are seminars about the basics of the linear measuring technology with practical exercise facilities and advanced training courses for special subjects. The basic philosophy of the Information Center of Metrology is the exchange of experience and knowledge. Not only does it serve mere imparting of knowledge in training courses but also dialogues among specialists. Therefore it is not only open for Mitutoyo customers but for all interested people from the areas of manufacturing, quality control, construction and materials testing.

The following seminars are available at the moment:

- Quality Control with Manual Measuring Instruments
- Image Processing in Linear Measuring Technology
- Introduction in Surface Measuring
- Introduction in 3D Coordinate Measuring
- Test Instruments Control

The current seminar dates you will find on the internet under www.mitutoyo.de

Battery

No.	Name
011031	Battery set for dial caliper gauge Series 209
011037	Battery LR-6
011076	Battery P-60AA for DP-1HS
011263	Battery CR-123A for dial caliper gauge Series 209
011372	Battery for 900872 Electronic contact scanning device
128487	See 011372
210696	Battery for 518-203
224815	Battery for 518-904
353489	Battery LR-14 (3 pcs.)
525369	Battery AM-15 (3 pcs.)
938882	Battery SR-44
995433	Battery for 178-921
996072	Battery for 178-924
996945	Battery for Surftest 301
055AA217D	Battery CR-2032 for 192-613, -614, -615, -663, -664, -665
12AAA786	Battery for 518-321
12BAA240	Battery for SJ-201
12BAA688	Battery for SJ-301 und SJ-401, SJ-402

Glass plates for measuring stages

No.	Name
011014	270 x 170 mm (for 172-260)
12BAD381	180 x 180 x 8 mm
12BAD760	250 x 150 x 8 mm
12BAD363	270 x 240 x 8 mm
12BAD330	370 x 240 x 8 mm
200662	Ø 66 mm
200666	Ø 90 mm
200667	Ø 100 mm
200673	Ø 80 mm
200674	Ø 60 mm
200675	Ø 40 mm
380405	96 x 96 x 5 mm
380412	190 x 160 x 6 mm (equal to long corner edges)
380495	154 x 96 x 5 mm
380558	404 x 179 x 8 mm
381349	196 x 96 x 5,5 mm
381952	280 x 180 x 8 mm
382255	486 x 336 x 8 mm
382762	280 x 180 x 6 mm (for 319-225-1) PV-5000
383141	Ø 84 mm
384111	Ø 188 mm
384261	380 x 180 mm
510042	190 x 92 x 5 mm
510166	180 x 130 x 5 mm
510185	Ø 130 mm
510408	150 x 92 mm
511451	Ø 146 x 5 mm
512627	Ø 145 x 5 mm
515264	190 x 160 x 6 mm (diagonal folded edge not equal)

Glass plates for measuring stages (continue)

No.	Name
517505	310 x 170 x 8 mm

Illumination

No.	Name
19BAA219D	Lamp 6 V/20 W for MVK-H3
19BAA095	Lamp 6 V/1 W for AVK-C1
19BAA097	Lamp 100 V/5 W for ARK-600
19BAA096	Lamp 12 V/10 W for AVK-A2
383038	Lamp 24 V for TM-500
513666	Lamp 6 V/20 W for TM-300
513667	Lamp 12 V/50 W for TF, MP, MF-U -500/100
513614	Lamp 6 V/10 W for DR, DV-4, SR
011300	Lamp 8 V/20 W for 376-911-1
101479	Lamp 6,3 V for TM-100
050108	Lamp for 176-152
162151	Lamp for 375-101
515557	Lamp 8 V/24 W for TM-200 transmitted light
515558	Lamp 8 V/24 W for TM-200 incident light
515559	Lamp 8 V/12 W for 176-322
512437	Lamp 12 V/100 W for PJ-250H, PJ-300H, PV-350H, PV-500, PH-350H
515530	Lamp 24 V/150 W for PJ-H3000, PJ-3000, PJ-A3000, PJ-2500, PJ-5000

Glass for semi translucent mirror

No.	For article
515514	for PJ-250H (172-125)
515515	for PJ-250H (172-126)
515516	for PJ-300H (172-202)
515517	for PJ-300H (172-203)
515518	for PV-350H (172-150)
515519	for PH-350H (172-151)
200670	for PH-350H (172-152)
200671	for PH-350H (172-153)

Printingpaper

No.	For article
011046	Surftest 201/301 (10 rolls)
011074	DP-1HS (264-503 D) (5 rolls)
201128	178-704 (1 roll)
270005	DP-5, DP-7 (10 rolls à 10 m)
270009	DP-5, DP-7 (10 rolls à 50 m)
270527	DP-1 HS (264-503 D) (1 roll)
270732	SV 400 (5 rolls)
270732	MICROPAK 5 (5 rolls)
225703	Linear Height (10 rolls)
997662	Linear Height Series 518 (10 rolls)
270490	Multi-Printer (164-515) (10 rolls)
350262	Roundtest 200/7/711 (100 pages)
353138	Roundtest RA 112/122 (1 roll)

Printingpaper (continue)

No.	For article
353535	Surftest 501 (1 roll)
526686	LSM 1000/2000 (1 roll)
536922	Contracer CB-41 (1 roll)
538554	Contracer CP-11/-21; CA-41/-42 (1 roll)
538646	Contracer CB-41/81 (1 block DIN A 4)
535653	Contracer CB-41/81 (1 roll)
541087	Surfcorder 178-702, 178-703 (1 roll)
541493	DP-1 (264-500); STP-1 (178-801) (1 roll)
544629	DP-1 DX (264-501); STP-2 (178-802) (1 roll)
544944	DP-2 DX/3 DX (1 roll à 50 m)
731098	DP-2 DX, DP-3 DX (1 roll à 8 m)
998698	RA-114 (10 rolls)
997471	RA-300/400 (10 rolls)
09EAA082-5	DP-1 VR (5 rolls)
09EAA069D	DP-1 VR (1 roll)
12 AAA 802	518-321, 518-321-20 Thermal Printingpaper (10 rolls)

Cleaning fluidtel

No.	Name
011298	For Profile Projectors, Microscopes, Objectives, Vision Measuring Systems (120 ml)

Ribbon cassettes

No.	Name
197216 D	Ribbon cassettes for Multi-Printer (164-515), DP-1 HS (264-503) (5 pcs.)
356058	Ribbon cassettes for Surftest SV 201/301 (5 pcs.)
527511 B	Pen black for DP-5, DP-7
527511 C	Pen blue for DP-5, DP-7
527511 D	Pen green for DP-5, DP-7
527511 E	Pen red for DP-5, DP-7
538653	Recording pen for Contracer CP-11/21; Contracer CA-41/42

Scriber

No.	For article
07GZA000	192-130, -132, -133, -614, 615 514-102, -103, -104, -105, -106, -107 570-223, -225, -228, -229 574-110-1, -111-1
900167	192-201
900168	192-106, -104, -105, -930, -932, -601, -603, -604 514-161 570-103, -105
900173	506-201, -202, -204, -205, -207, -209 570-102, -112, -202, -227
900258	192-116, -114, -140, -142, -605, -606, -607, -608 506-204, -205 570-213, -215, -223, -234, -235, -247 574-210-1
900282	520-163, -150, -156

Scriber (continue)

No.	For article
900285	520-151
900388	570-203, -205 574-110, -111
900389	520-151, -157
900390	514-170
900913	570-113, -114
905200	192-651, -653, -654, -661, -663, -664, -665 514-108 570-206, -226, -230
905201	192-655, -656, -657, -658, -667, -669 570-216, -236

Scriber holder

No.	For article
05GZA033	192-130, -132, -133, -613, -614, -615, -663, -664, -665 514-102, -106, -108 570-228, -229, -230
07GZA002	192-130, -132, -133, -614, -615 514-102, -103, -104, -105, -106, -107 570-223, -225, -228, -229 574-110-1, -111-1
07GZA004	506-201, -202, -204, -205, -207, -209 570-102, -112, -202, -227
07GZA032	92-116, -114, -140, -142, -605, -606, -607, -608 506-204, -205 570-213, -215, -223, -234, -235, -247 574-210-1
901338	570-227
901384	192-106, -104, -105, -201, -930, -932, -601, -603, -604, -651, -653, -654, 192-661, -663, -664, -665 514-108, -161 570-103, -105, -203, -205, -206, -226, -230 574-110, -111
901385	192-655, -656, -657, -658, -667, -669 570-216, -236
905006	520-163, -150, -156
905008	520-151
900514	520-151, -157

Our task is to serve the society by producing high-precision linear measuring instruments and to promote the progress of quality.

Mitutoyo

expresses the high demand we have to meet.

Challenge us with your demands, requirements and wishes.

In doing so you take care of our common growth and common progress.

Then we contribute together to the welfare of our global society.

