



## Corporate Profile

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2007



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2007年版の「Corporate Profile」をお届けするにあたり、一言ご挨拶申し上げます。

2006年度のわが国経済は、景気の緩やかな回復基調が続ぎ、企業収益は順調に改善しています。

当社グループの防災事業分野におきましては、国内での豪雪・豪雨被害、竜巻被害など、また海外では、大規模地震など、深刻な被害をもたらす自然災害の頻発に加え、北朝鮮によるミサイル発射・核実験の実施など東アジアの国際的緊張が一気に高まるなかで、国民の安心・安全への関心が、わが国の安全保障体制を含め、従来にも増して高まった1年となりました。

国民の安心と安全の確保に向けて、日本国政府は大地震などの大規模災害や大事故・テロなどに備えた総合的な消防防災体制の強化に取り組んでおり、消防団の充実強化、大規模災害発生時に備えた緊急消防援助隊の増強や特別高度救助隊の全国展開、緊急時に際しての国民保護体制の構築など、防災・危機管理体制の充実強化が着実に進められています。

繊維事業分野、とりわけリネン(麻)事業につきましては、紡績、織布から縫製面まで中国生産を核とした国際商流が大きな流れになってきており、リネン(亜麻)の糸・織物、および二次製品の中国からの輸入が大きく伸びております。優れた天然素材であるリネンの人気は引き続き高く、特に、良質なリネン二次製品に対する需要は、幅広く消費者に浸透しつつあります。また、耐熱、耐切創、高強度を特徴とする高機能繊維につきましても、その優れた機能に着目した新た

な用途開発ニーズとその市場は着実に拡大しています。

こうしたなかで、防災部門では、緊急消防援助隊の増強などに関連して、救助工作車や特殊防災車輛のほか、自治体・民間企業向けの防災備蓄品、消防被服などが順調に売上を伸ばしました。また、繊維部門では、官公庁向けの制服や民間企業向けの難燃作業服など機能アパレルが売上げを伸ばしました。その結果、2006年は、売上・経常利益とも前期比増収増益となったほか、自己資本比率は約60%に、ROEも12%台を確保しました。

これもひとえに、日頃当社製品をご愛顧いただいているユーザーの皆様と優れた製品を提供いただいている海外パートナー各社のご支援の賜物であり、改めて厚く御礼申し上げる次第です。

当社は、今年創立100周年を迎えます。創立以来今日まで、社でもあります「社会の安全と生活文化の向上に貢献する企業」として、広く社会や経済の発展に貢献してまいりました。大規模自然災害や特殊災害の危険に取巻かれた社会にあって、市民生活の安全や安心を確保し、そのために必要な備えや運用等を準備する当社の事業は、極めて必要性の高い、社会的にも重要な事業であります。また、リネンの総合事業化は、ノーブルファイバーといわれる天然素材・リネン(亜麻)で良質な生活文化を支える事業であります。当社グループ社員一同、これらの事業の持つ100年の重みと使命をしっかりと受け止め、当社第二世紀に向かって、社会や公共に大きく貢献し、その負託に応える企業たるべく精進してまいります。皆様におかれましては、引き続き、宜しくご支援を賜りますようお願い申し上げます。

*To contribute to a safer society  
and a higher standard of living*

社会の安全、生活文化の向上に

貢献する企業を目指して

**Top management message**

Dear Sir/Madam

During fiscal year 2006, Japan's economy continued its gradual but consistent recovery and corporate profits steadily improved.

In the field of disaster prevention, fiscal year 2006 was marked by weather-related disasters in Japan (caused by heavy snow, torrential rains and tornadoes), major earthquakes overseas, and an escalation of political tensions in East Asia resulting from North Korea's nuclear tests and missile launches. Public concern over safety and security, both personal and national, has increased enormously over previous years.

Our government has responded to these concerns by enhancing the national framework for disaster prevention and response. Fire brigades and emergency firefighting teams have been upgraded, and special high level rescue teams have been deployed nationwide to cope with large scale disasters and public safety emergencies.

In the textile business sector, where our focus is centered on linen and advanced fibers, we have seen a significant increase in imports of linen thread, cloth and secondary products from China due to the availability of low-cost processing, spinning, weaving, dyeing and sewing capacity in that country. Linen, as the superior natural textile, maintains its popularity and demand for secondary products made of high quality linen is increasing steadily. At the same time, there is a growing need to develop new applications for advanced fibers, as the market expands for high performance textiles with features such as flame retardancy, cut resistance, and high abrasion resistance.

Thanks to these conditions, our Disaster Protection Business saw increased sales of firefighting equipment and clothing, rescue vehicles and special disaster

protection vehicles to local governments in fiscal year 2006. Likewise, our Fiber and Textile Business posted increased sales of functional apparel such as uniforms for governmental institutions, and flame retardant working clothes for private companies. As a result, in fiscal year 2006 Teisen's sales revenue and ordinary profit increased over the previous year and we achieved an equity ratio of 60%, while maintaining ROE at 12%.



These results can be attributed to the valued patronage of the end users of our products, and to our overseas partners, who have provided superior products to our company, for which I want to express my sincere appreciation.

This year our company will celebrate the 100th anniversary of its founding. Our business plays an integral role in maintaining public safety and peace of mind, by offering a wide range of solutions to respond to large scale disasters. Also, through our linen business we hope to bring comfort and luxury to our customers through the natural textile that has been called the "noble fiber". Our entire management and staff will strive to fulfill our mission of "contributing to a safer society and a higher standard of living" as Teisen enters its second century. I ask for the privilege of your continued support.

A handwritten signature in black ink that reads "Tokiaki Iida." The signature is stylized, with the first name "Tokiaki" and the last name "Iida" clearly legible.

*Tokiaki Iida  
President and CEO*

帝国繊維株式会社 取締役社長 飯田時章



# A Century Contributing to a Safer Society and a Higher Standard of Living

## 社会の安全、生活文化の向上に貢献して一世紀

### History of Company Formation Teikoku Sen-I Co., Ltd.

創業物語

In July this year, Teikoku Sen-I Co., Ltd. ("Teisen") is celebrating the 100th anniversary of its inauguration. The development of Teisen's business, which contributed significantly to the industrialization of the country through the Meiji, Taisho and Showa eras, symbolizes the history of the linen industry in Japan.

At the beginning of Meiji Era, hemp-manufacturing enterprises using spinning machines emerged in different parts of the nation in line with the then government's policy to develop new industries. Among them were the forerunners of our company, which were established in 1887 by financier, Zenjiro Yasuda, and were to become his only ventures in the field of manufacturing.

Subsequently, Yasuda, who had sensed the importance of carrying out production utilizing solely domestically available industrial materials, decided to merge the two linen spinning companies. This process began in 1903, when "Nihon Seima Co., Ltd." was founded, and culminated in July 1907, with the establishment of "Teikoku Seima Co., Ltd.", our predecessor concern. Teikoku Seima's Head Office Building (shown in the photo), built in 1913, was designed by Dr. Kingo Tatsuno, and is considered a fine example of Meiji Era architecture.

In the years that followed, our business was driven by a rapid increase in demand for functional and lifestyle products made of linen. In 1903, Teisen became the first company in Japan to manufacture fire hose, a business activity that continues to this day. Flax cloth used domestically for awnings, arm covers, and airplane wing covers, was also exported in volume to Europe, where it was graded "Best Quality" by the British Royal Navy. The same cloth was approved for maritime use by the Japanese Ministry of Communications and was used for hammocks and for sealing belly openings in ships. Our linen was also used in a variety

of public service and lifestyle products such as fire hoses, mailbags, railway freight wagons tops, napkins, towels, tablecloths, handkerchiefs, mosquito nets and tatami-mat threads. Further, our rescue awnings greatly aided reconstruction efforts after the Great Kanto Earthquake of 1923.

In the post-war years, Teisen had to go through a period of hardship. It became the only enterprise in the entire fiber and textile industry that was ordered to be dissolved in 1945 under the post-war "Economic Decentralization Act". Furthermore, sales of linen for industrial applications drastically declined as demand shifted from natural to synthetic fiber. As a result, however, of the successful diversification of its business, Teisen has reestablished a solid corporate and management foundation, fully capable of fulfilling our social mission. As we celebrate the 100th years in business, our activities are now concentrated in two areas:

- (1) Integrated and highly specialized disaster prevention and crisis management business;
- (2) Enhanced value-added textile business with a special focus on advanced fibers and linen products.

Building on our long-standing corporate mission "to contribute to a safer society and a higher standard of living", we will strive to enhance economic and social progress through the development of differentiated products and materials.

Founder Zenjiro Yasuda  
創業者 安田善次郎



今年当社は創立100周年を迎えます。当社創業の歴史は、日本における製麻事業の歴史そのものであり、その事業は、明治・大正・昭和の国運隆盛期を通じて、広く国家的貢献を果たしてきました。

明治のはじめに殖産振興の一環として政府の熱心な働きかけにより、機械紡績による製麻事業が各地に立ち上げられ、その一つが安田善次郎翁による当社の創業(明治20年)でした。金融事業を核としていた翁にとっては、製造事業への唯一の進出でもありました。

爾来、戦時をはさむ好不況の繰り返しの中で、当時の主要な産業素材の国産自給を図るこの事業の国策的重要性を痛感した安田善次郎翁は、製麻各社の合併を提唱、明治36年に「日本製麻株式会社」が、明治40年(1907年)7月には、当社

の前身である「帝国製麻株式会社」が設立されました。

なお、大正2年に新築された帝国製麻本社ビル(写真)は辰野金吾博士の設計によるもので、明治を代表する建物の一つとなっています。

当社の事業は、急拡大する国の需要への応需と生活文化の向上に大きく貢献し、数々の足跡を残してきました。

天幕・兵器覆・飛行機翼覆などに使われる亜麻帆布は、英国海軍省制定の規格による「最高品」の認定を受けたことから、欧州へも大量に輸出されました。また、船舶用で

は、通信省の船用規格の合格品として、ハンモック・艙口覆などに使用されています。蚊帳、畳糸、消防用ホース、郵便用郵袋、鉄道貨車用幌などは、市民生活や公共サービスに欠かせないものとして広く普及し、救護天幕は関東大震災などの復興事業にも大いに活躍しました。現在当社の主力商品となっている消防用ホースは、明治36年に当社により国産第一号が生産されています。

家庭用リネン(ナプキン、タオル、テーブルクロス、ハンカチーフなど)は、欧州では古くから各家庭で伝承される品として親しまれ愛用され、生活文化を支えてきました。良質な生活を支えるリネン製品を幅広く用意し、リネン製品の百貨店での陳列会を開催するなど、わが国での欧風生活文化の普及にも大いに貢献しています。

戦後に入り、昭和25年には、国策の企業として繊維業界で唯一財閥企業解体の対象となって分割され、更にその後の繊維産業の素材転換(天然繊維から化学繊維へ)、産業素材としての麻素材への需要激減などから、苦難の歴史を歩む時期が続きました。しかし現在の帝国繊維は、社会的使命をきちんと果しうる事業基盤が築かれ、しっかりと経営基盤の上に立てて今日を迎えています。創立100周年を迎え、当社の目指す事業分野は、次の二つです。

- ①総合的で専門性の高い防災・危機管理事業
- ②付加価値を高めたニッチの繊維事業

就中、機能繊維の用途開発とリネン(麻)の総合事業化

創業時から受け継がれた「社会の安全、生活文化の向上に貢献する企業」を基本理念とし、これからも「一味ちがった優れた企業」「発展し成長を続ける企業」「社会や公共に大きく貢献する企業」の実現を目指してまいります。



**Disaster Prevention and Preparedness Business** 防災事業

Imported goods are marked with an asterisk(\*).

**Fire Fighting Equipment and Systems** 消防用装備品・システム**page 5 Fire Hoses**

- ◆ Fire Fighting Hose
- ◆ Large Diameter Hose
- ◆ Fire Hydrant Hose

**page 6 Fire Fighting Systems**

- ◆ \* Compressed Air Foam System
- ◆ \* Large Volume Water Supply & Discharge System
- ◆ \* High Pressure Extinguishing System

**Rescue and Special Purpose Vehicles** 救助工作車等特殊車両**page 7 Rescue Vehicles**

- ◆ Rescue Vehicle (Type II)
- ◆ Police Light Vehicle
- ◆ Rescue Vehicle Type II

**page 8 Special Purpose Vehicles**

- ◆ Air Crash Tender

**page 8 Rescue Vehicles**

- ◆ Heavy Rescue Vehicle Type III
- ◆ Rescue Support Vehicle

**page 9 Special Purpose Vehicles**

- ◆ Remote-Controlled Water Canon Vehicle
- ◆ All Ground Vehicle
- ◆ Large Volume Water Supply System Vehicle
- ◆ NBC & HazMat Vehicle
- ◆ Container Vehicle

**Search and Rescue Equipment** 救助・探査用装備品**page 10 Rescue Equipment**

- ◆ \* Hydraulic Rescue Tool
- ◆ \* Air Lifting Bag
- ◆ \* Chain Saw & Diamond Chain Saw

**page 11 Rescue Equipment**

- ◆ Water-Jet Cutting Device
- ◆ Earthquake Early Warning System

**page 11 Search Equipment**

- ◆ \* Thermal Imager
- ◆ Acoustic Listening Device
- ◆ \* Victim Location System

**Anti-NBC Terrorism & Hazmat** NBC・ハズマツト装備品**page 12 Detection**

- ◆ \* Chemical Analyzer
- ◆ \* Chemical and Biological Analyzer
- ◆ \* Biological Detector
- ◆ \* Chemical Detector
- ◆ \* Meteorological Station/NBC Dispersion Model
- ◆ Dosimeter & Survey Meter
- ◆ Explosives Trace Detection

**page 13 Decontamination**

- ◆ \* Decontamination Shower/System
- ◆ Decontamination Device

**page 13 Protection**

- ◆ \* Chemical Protective Suits
- ◆ Protective Mask with Multi Canister
- ◆ \* Self-Contained Breathing Apparatus
- ◆ NBC Shelter and Filter

**page 13 Other Equipment**

- ◆ \* Recovery Pump

**Protective Clothing** 防護服**page 14 Uniforms & Advanced Textiles**

- ◆ Uniform & Textiles

**page 16 Industrial Materials & Others**

- ◆ Material for P.C.B.production
- ◆ Material for speaker components
- ◆ Cut / Heat resistant glove
- ◆ Various Tents

**Textile Business** 繊維事業

Manufacturing &amp; Importing

**Linen Products** 麻製品

- page 17 Textiles** Yarn, Fabric, Home Linen Products, Uniform, Work Wear, Tent etc.

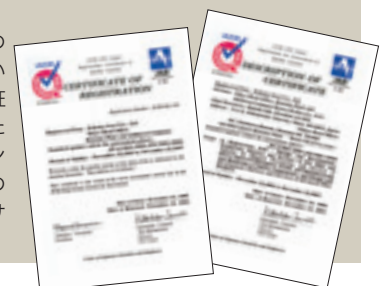
**ISO 9001**

TEISEN has obtained the first ISO9001 certifications of fire fighting hoses in Japan, and is conducting its entire business, including design, development, manufacturing and maintenance service, under the ISO quality control standard.

ISO9001 certifications have also been obtained for rescue vehicles and advanced textile products as well as rescue equipment and systems. TEISEN provides high quality service, maintenance and repair of imported products at its ISO-certified factories.

当社は、日本で最初に消防用ホースのISO9001の認証を取得し、設計・開発から製造・アフターサービスにわたる全業務をISOの品質管理基準の下に行っております。

防災車両、機能繊維製品の製造や資機材・機器についても同様にISO9001の認証を得ており、当社が輸入した製品の受け入れ・メンテナンス・修理等についても、この認証取得工場で質の高いサービスを提供致しております。





## Disaster Prevention and Preparedness Business

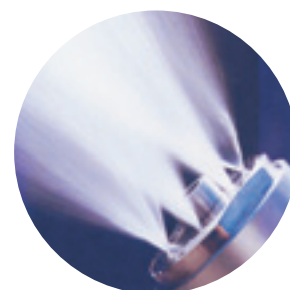
防災事業

Concerning disaster prevention operations in our country, the social concern is on the rise in the area of disaster prevention and crisis management. That includes preparedness for terrorism and specific disasters, in addition to large-scale natural disasters such as earthquakes, floods, tsunami and also large-scale industrial disasters such as fires at petrochemical complexes and factories. The government as well as public bodies have also reinforced measures and policies to prevent disasters. The role of disaster prevention activities "protecting safe and secure life of the people" and "protecting properties" has become more and more important.

In order to respond to such demand of our times, our group is striving to establish comprehensive and highly specialized business for disaster and crisis management. We will enhance our traditional activities involving fire fighting, rescue and emergency care. At the same time, we will focus on intensifying, enhancing and expanding comprehensive and highly specialized disaster and crisis management business that can respond to upgraded equipment, hazardous material handling, crisis management, etc., to protect against increasingly complex and large-scale disasters and social risks.

防災事業の分野では、地震・洪水・津波などの大規模自然災害、石油コンビナート・工場火災などの大規模な企業災害のほか、テロなど特殊災害への対応など、防災・危機管理に対する社会の関心はますます高まりつつあり、国や公共団体などの施策も強化されてきています。「安全・安心な暮らしを守る」「生命・財産の安全を守る」防災事業の役割はますます重要になってきています。

こうした時代の要請に応えるため、当社グループといたしましては、総合的で専門性の高い防災・危機管理事業の確立に向けて努力しています。消火・救助・救急にかかわる従来からの事業を磨き上げると共に、複雑化し、大規模化する災害や社会的リスクにそなえ、危険物処理、危機管理など装備や運用の高度化に対応できる総合的で専門性の高い防災・危機管理事業の深化・充実・拡大に注力して参ります。





# Fire Fighting Equipment and Systems

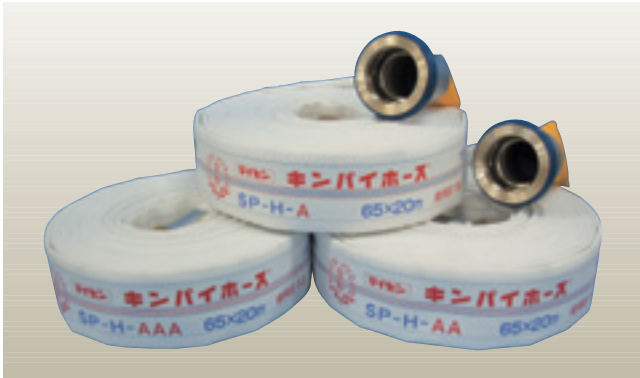
消防用装備品・システム

## Fire Hoses (消防ホース)

### ◆ Fire Fighting Hose (消防用ホース)

TEISEN, had produced the first fire fighting hose in Japan. It is the most experienced and the biggest fire fighting hose manufacturer in Japan.

1903年、日本で最初に消防ホースを製造・開発し、今なお、最も伝統のある消防ホースメーカーとしてトップシェアを維持しています。



### ◆ Large Diameter Hose (大量送水用大口径ホース)

TEISEN offers large-diameter hoses with a diameter of up to 300mm. The elastic polyurethane coated hoses minimize the pressure loss, while covered fire hoses are free of maintenance.

300ミリまでの大口径ホースは最も圧力損失の少ないウレタン樹脂引きです。両面樹脂引きタイプはメンテナンスフリーです。



### ◆ Fire Hydrant Hose (消火栓用ホース)

TEISEN building hose is the top brand of a hydrant hose. Semi-rigid hoses of a maximum of 40 mm in diameter ensure little pressure loss and compact storage.

キンバイビルホースは消火栓ホースのトップブランドです。40ミリまでの保形ホースは低圧損で、コンパクトに収納することができます。



## Fire Fighting Systems (消防用システム)

### ◆ Compressed Air Foam System (圧縮空気泡消火装置)

CAFS is the new fire-extinguishing technology which enables to produce fine foam and reduce the amount of water damage, while extending the throw range by mixing compressed air with foam solution.



CAFS:5bar

Foam:5bar(従来型)

CAFSはホース内で混合した水・泡剤・圧縮空気を放水ノズルから放射することにより良質な細かい泡と大射程が得られ、水損を軽減できる次世代の消火方法です。



Back pack CAFS



CAFS retro fit type

### ◆ Large Volume Water Supply & Discharge System (大量送水・放水システム)



The vehicles equipped with Long Distance Large Volume Water Supply Systems (HYDROSUB SYSTEMS) supply a large volume of water as much as 11,000~22,000 liters per minute from the sea, lake or river that is not accessible by traditional fire-engines. A single set of system using a large diameter hose (150~300mm) will be able to serve disaster scenes such as earthquake, forest fire, oil tank fire or eruption fire that require large volume of water for fire extinguishing or cooling. These vehicles have already been delivered to Tokyo Fire Department, etc., and are actively deployed in large-scale disasters, etc, as mobile water supply. They are also deployed to drain flood or supply potable water.

遠距離大量送水システム車＝ハイドロサブシステム車＝は、震災、林野火災、石油タンク火災、噴火災害など大量の消火用水や冷却用水を必要とする遠距離(2000m以上)の災害現場へ、大容量の水を送ることができます。僅か1セットのシステムで従来の消防車では接近困難な海水、湖水、河川等の水源から大口径ホース(150mm～300mm)を使用して、毎分11,000～22,000Lの送水が可能です。既に東京消防庁等に納入し、移動式水源として大規模災害等に出動し活躍しています。

また、水害時の排水活動や発災後の避難民の飲料水や生活用水の給水活動にも貢献しています。



Hydrosub pump unit  
大量送水システム・ポンプユニット



Hose recovery unit  
大量送水システム・ホース回収車

### ◆ High Pressure Extinguishing System (高圧消火装置)

The UHP250 of MINIMAX is ultra-high pressure and fogging extinguishing equipment.

It is effective not only for initial fires but for fires in closed spaces, such as an automobile fires and an underground fires.

MINIMAX社のUHP250は超高圧、少量噴霧の消火装置です。初期火災や自動車火災、地下火災など閉鎖空間での火災に威力を発揮する次世代の消火システムです。





# Rescue and Special Purpose Vehicles

救助工作車等特殊車輛

## Rescue Vehicles (救助工作車)

### ◆ Rescue Vehicle (Type II) (救助工作車)

TEISEN's rescue vehicles are equipped with the best rescue tools from all over the world, including a device such as the winch made by Rotzler in Germany, a hydraulic system driven by PTO to operate high-pressure fire extinguishing equipment made by Minimax in Germany, and rescue tools made by Lukas and so on.

TEISEN is manufacturing support vehicles, power supply/lighting vehicles, air charging vehicles and rescue vehicles for the police as well as the above-mentioned rescue vehicles.

テイセンの救助工作車には世界中から選りすぐった救助器具が積載されています。具体的には、ドイツ・ロッツラー社のウインチや、ドイツ・ミニマックス社の高圧消火装置のほかルーカス社のレスキューツールを車輛のPTO動力で作動させる油圧発生装置も備えています。テイセンは救助工作車のほかに支援車、電源照明車、空気充填車、警察用救助車等も製造しています。



### ◆ Rescue Vehicle Type II (救助工作車Ⅱ型)



### ◆ Police Light Vehicle (警察用照明車)



### ◆ Heavy Rescue Vehicle Type III (救助工作車Ⅲ型)



### ◆ Rescue Support Vehicle (支援車)



## Special Purpose Vehicles (特殊車輛)

### ◆ Air Crash Tender (空港用化学消防車)

There has been a continuous need for enhancement of fire fighting facilities at the airports in the wake of opening of new airports and increased demand for air transports. TEISEN represents Rosenbauer International A.G. in Austria who is one of the leading fire engine manufacturers in the world. More than 20 units of its rapid intervention vehicles called "Panther" are in service in Japan.

新空港の相次ぐ開港と航空需要の増加に応じ、空港の消防体制の充実が求められています。テイセンは世界有数の消防車輛メーカーであるオーストリア・ローゼンバウアー インターナショナル社の国内総代理店を務め、同社の高性能空港用化学消防車“パンター”の国内における納入実績は既に20台を超えています。



ニューパンター 6×6 (12500立級)



ニューパンター 8×8 (12500立級)



パンター 8×8 (12500立級)



パンター 4×4 (6100立級)



◆ **Remote-Controlled Water Canon Vehicle**  
(無人走行放水車)



◆ **All Ground Vehicle**  
(多目的不整地走行車)



◆ **Large Volume Water Supply System Vehicle** (大量送水システム車)



Hose Recovery Vehicle (ホース回収車)



Water Supply Vehicle (送水車)

◆ **NBC & HazMat Vehicle** (特殊災害対応車)



◆ **Container Vehicle** (各種コンテナ車)





# Search and Rescue Equipment

救助・探査用装備品

## Rescue Equipment (救助用資機材)

### ◆ Hydraulic Rescue Tool (油圧救助器具)

Hydraulic rescue tools made by Lukas in Germany are widely used in Japan not only by rescue squads of fire departments but also by the police and armed forces.

ドイツのルーカス社製油圧救助器具は日本の消防救助隊のみならず、警察・防衛庁にも広く採用されています。



### ◆ Air Lifting Bag (エアバッグ)

VETTER RESCUE AIR JACK (MIGHTY BAG) is an air jack system to safely rescue people by removing heavy obstacles that interfere rescue activities in various disaster scenes and is deployed by rescue teams of firefighting organizations, police and Self Defense Force of our country, playing an important role in rescuing human life. VETTER'S MIGHTY BAG is employed by firefighting organizations, police and rescue teams of more than 80 countries and is known as the rescue tool for its past performances and reliability.

フェッター・空気式救助マット・マイティバッグは、各種災害現場で救出、救助活動を妨げている重量障害物を移動排除し、要救助者を安全に救出できる“エアージャッキ”システムです。我が国の消防、警察、自衛隊の救助隊では必携装備品として各地の災害救助に出動し、人命救助に貢献しています。

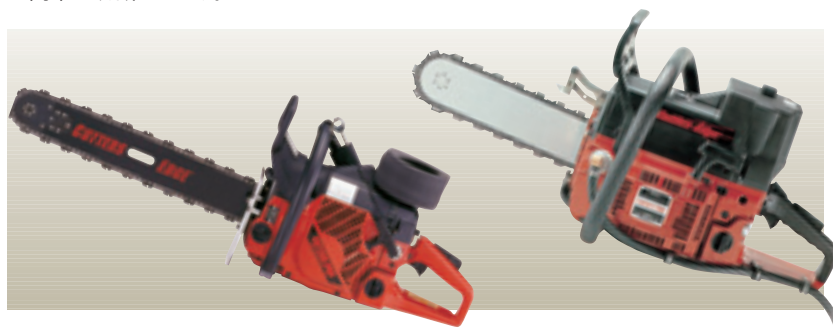
また、フェッターの“マイティバッグ”は世界80ヶ国以上の消防や警察の救助隊が採用し、信頼と実績を有する救助器具です。



### ◆ Chain Saw & Diamond Chain Saw (チェーンソー／ダイヤモンドチェーンソー)

Bullet Chain Saw made by Edge Industries in USA is designed to cut lumber in which nails are driven. When combined with a small water-cooled pump, the diamond chain saw can easily cut even a reinforced concrete.

ブレットチェーンソーは特殊加工したカーバイドチップを使用しており、木造建築に含まれる釘などの金属の切断も可能です。ダイヤモンドチェーンソーは、鉄筋入りコンクリートも簡単に切断できます。



◆ **Water-Jet Cutting Device**  
(ウォータージェットカッター)



◆ **Earthquake Early Warning System**  
(早期地震警報システム)



**Search Equipment** (探査用資機材)

◆ **Thermal Imager** (熱画像カメラ)



◆ **Acoustic Listening Device** (地中音響探知機)



◆ **Victim Location System** (画像探索機)





# Anti-NBC Terrorism & Hazmat

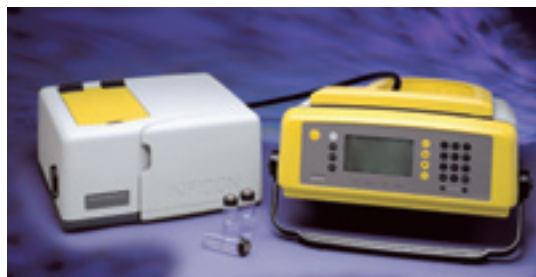
NBC・ハズマツ 装備品

TEISEN has been introducing NBC and other latest HazMat equipment from overseas with a focus on three main areas; - detection, protection and decontamination.

テイセンはテロ災害を含むNBC関連の特殊災害にも対応、検知・防護・除染の3分野における最新の資機材を先進各国から導入しています。

## Detection (検知用資機材)

### ◆ Chemical Analyzer (化学剤分析器)



### ◆ Chemical and Biological Analyzer (化学・生物剤分析器)



### ◆ Biological Detector (生物剤検知器)



### ◆ Meteorological Station/NBC Dispersion Model (気象ステーション、NBCシミュレーションソフト)



### ◆ Chemical Detector (化学剤検知器)



### ◆ Dosimeter & Survey Meter (個人線量計・線量率計)



### ◆ Explosives Trace Detection (爆発物検知器)





## Protection (防護用資機材)

### ◆ Chemical Protective Suits (化学防護服)



### ◆ Protective Mask with Multi Canister (マルチ吸収缶付き防毒マスク)



### ◆ NBC Shelter and Filter (NBCシェルター・フィルター装置)



### ◆ Self-Contained Breathing Apparatus (自給式空気呼吸器)



## Decontamination (除染用資機材)

### ◆ Decontamination Shower/System (除染シャワー／テント除染装置)



### ◆ Decontamination Device (除染装置)



## Other Equipment (その他資機材)

### ◆ Recovery Pump (流出油回収装置)



# Protective Clothing

防護服

## Uniforms & Advanced Textiles (制服・作業服・機能繊維)

From the beginning of the 20<sup>th</sup> century, TEISEN has supplied uniforms to the armed forces, police, fire departments, other government organizations and municipal offices.

TEISEN has consolidated its footing in the field of special uniform made of advanced fibers and industrial materials. Working in a partnership with DuPont that spans over 30 years, TEISEN has developed the aramid fiber business and used Nomex® and Kevlar® fibers and other technologies to further expand this market.

NOMEX® and KEVLAR® are DuPont registered trademarks.

20世紀初頭から、防衛庁・警察・消防など官公庁向けユニフォーム納入では大きな実績を収めています。

また、機能繊維を素材とした特殊ユニフォーム分野及び産業資材用途の開発でも、市場での確固たる地位を築いてまいりました。

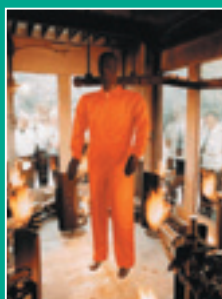
30年に及ぶデュポン社とのパートナーシップでノーメックス®及びケブラー®のアラミド繊維事業の展開を図り、さらに最新テクノロジーを駆使した商品開発を積極的に進めています。

●ノーメックス®、ノーメックスオメガ®, ケブラー®はデュポン社の登録商標です。





To evaluate and demonstrate the thermal protection provided by NOMEX®, DuPont tests firefighters' uniforms and industrial workwear on THERMO-MAN®, a life-size mannequin, equipped with 122 thermal sensors, which assesses the performance of garments under realistic flash fire conditions (temperatures up to 1000°C). The sensors record temperature rise on the surface of the mannequin wearing a NOMEX® protective garment. A computer calculates the predicted percentage of second and third -degree burns that a human body wearing that clothing would incur.



ノーマックス®の熱防護性能を評価し論証するために、デュポン社では、122個の熱センサーをそなえた等身大のマネキンであるサーモマン®で、消防用防護服や産業用作業服をテストします。

サーモマン®により、実際のフラッシュファイアーの状態(最高で1000°C)での防護服の性能を評価することができます。熱センサーは、ノーマックス®製の防護服を着せたマネキンの表面の温度上昇を測定します。

そしてコンピューターが、実際に人間がその防護服を着用していた場合負うであろうと予想される二度火傷と三度火傷の割合を計算します。

◆ Rescue uniforms 救助服	◆ Cleanroom garments 無塵服
◆ Turnout gear 防火服	◆ General purpose uniforms 各種制服
◆ Station uniforms 活動服	

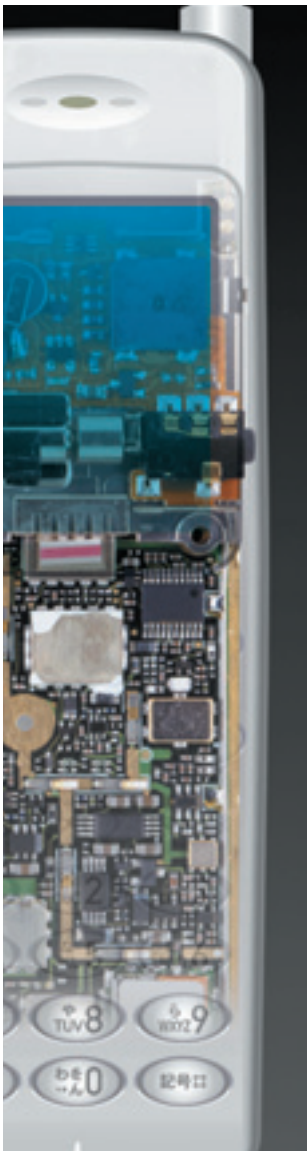


## Industrial Materials & Others (産業資材・その他)

With the emergence of advanced textiles, the product market using advanced textiles in industrial applications has been expanding on a large scale. Textiles that have characteristics such as heat resistance, flame resistance, high tenacity and anti-static qualities are also essential in the area of industrial materials and parts for the manufacture of personal protective equipment. They contribute greatly to improving health and safety in the working environment and to enhancing quality and stability of industrial products. TEISEN will continue to respond to the needs of its customers in all these fields by selecting and combining advanced textiles to create functional and practical products.

高機能繊維の登場により、産業用途における繊維製品のニーズは拡大を続けています。耐熱、防災、高強度、制電性等の特性を持った繊維は熱や炎などから人体を守るほか、工業資材や部品分野においても必要不可欠なものとして、作業環境の改善や安全性を高め、工業製品の品質向上、安定に大きく貢献しています。弊社が提供する製品は各分野の要望に応えるため、各種素材の選択、複合により実用機能を発揮していきます。

### ◆ Material for P.C.B.production (プリント基板関連材料)



### ◆ Material for speaker components (スピーカー部品材料)



### ◆ Cut / Heat resistant glove (保護手袋[耐熱、耐切創])



### ◆ Various Tents (各種天幕)





# Linen Products

*A Comfortable Life with High Quality Linen*

リネンのある上質な暮らし

Photo by SANECO



TEISEN, now celebrating 100 years in business, has played an important role as the pioneer of the linen industry in Japan. TEISEN introduced linen, nature's strongest fiber, from Europe, and started its fiber business in Hokkaido, a cold district in northern Japan. The history of Japan's linen industry may be regarded as the history of TEISEN. We have devoted ourselves to the promotion of linen and to supplying a wide variety of linen products, hoping that the comfort and excellence of high-quality linen will be appreciated by all. One example is TEISEN's "Home Linen" which includes a complete range of linen products for the home, from dining room to kitchen, bathroom to bedroom, people will be able to experience the luxury of high-quality linen.

本年創業100年を迎える帝国繊維は、日本の麻産業の発展にパイオニア的役割を果たしてきました。自然界で最も強靱な繊維である亜麻(リネン)を欧州より導入し、寒冷の地 北海道に国策的産業として亜麻繊維事業をスタートさせました。

日本のリネン産業の歴史は帝国繊維の歴史とも言えます。私共は高品質なリネンの心地よさ、素晴らしさを皆様にお伝え致したく、その普及に全力で取り組むとともに、その様々な製品を供給してまいります。その一つがここにご紹介するダイニングからキッチン・バス・ベッドルームに至るまで、質の高い生活を実感できるホームリネン製品の数々です。

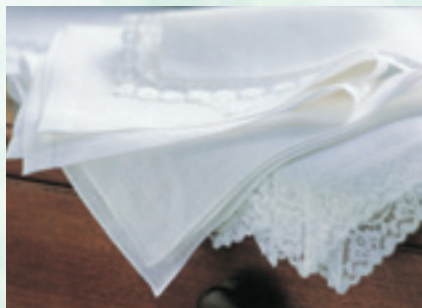


**Club  
Herdman**  
BY TEISEN  
THE IRISH LINEN

*Champs de Lin*







Photograph: Courtesy of Northern Ireland Tourist Board & T.Ferguson Irish Linen





*The Faithful Fibre*



# TEIKOKU SEN-I CO., LTD. CORPORATE DATA

Sales Network

Corporate Data

Organizational Chart

Consolidated BALANCE SHEET

Consolidated PROFIT AND LOSS ACCOUNT

Consolidated Statements of Cash Flows

Financial Highlights

Major Foreign Partners

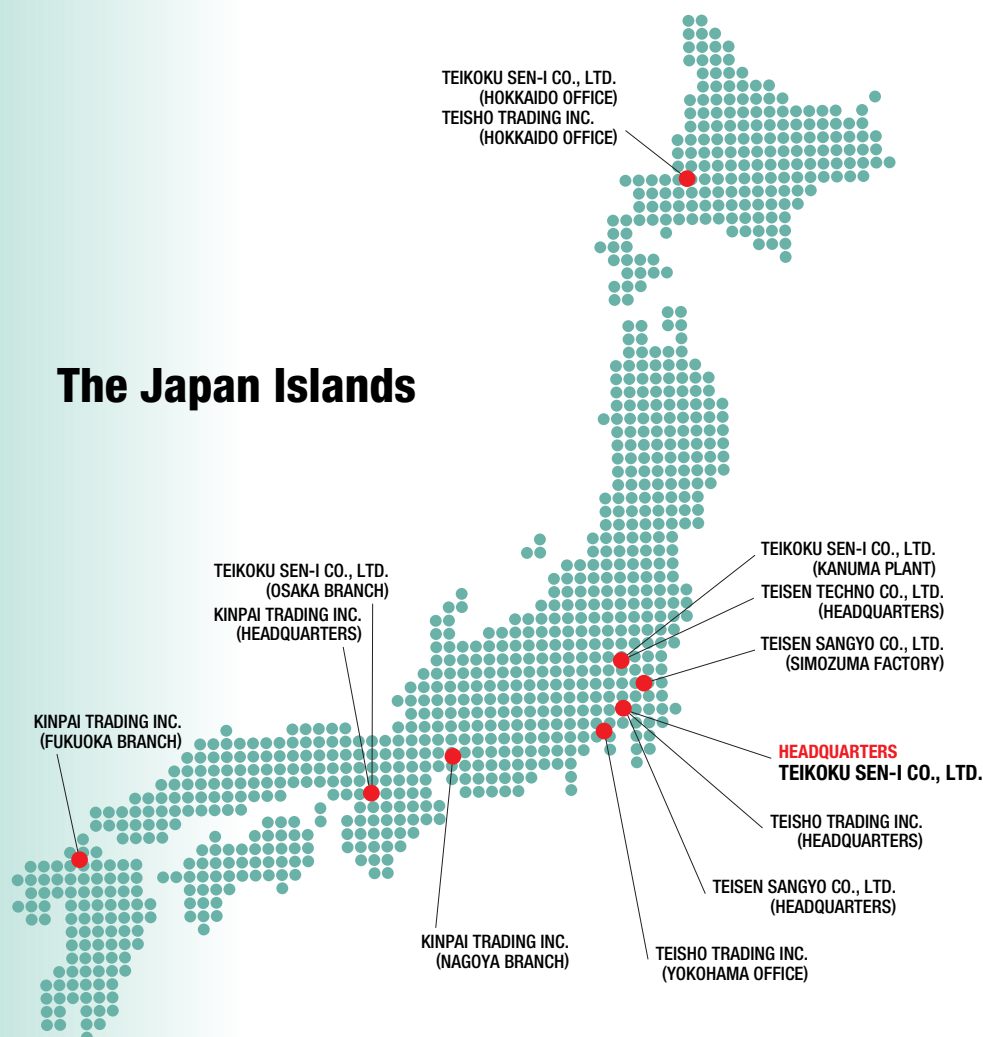
Major Customers

## Sales Network

TEISEN has more than 100 sales agencies which handle disaster prevention products and equipment all over Japan. Two wholly-owned subsidiaries, TEISHO Trading Inc. and KINPAI Trading Inc., manage the sales agencies. In addition, TEISEN has its own marketing department to directly promote business to government organizations.

100社を超える特約店の販売ネットワークにより、日本全国で販売できる体制が整っています。特約店の販売活動は、100%子会社2社を通じ、より効率的に行われています。また、中央官庁に対するプロモーションは、本社の販促部隊が直接行っております。

## The Japan Islands



## Corporate Data

**President & CEO :** Tokiaki Iida

**Head Office :** 5-13, Nihonbashi 2-Chome, Chuo-Ku, Tokyo, Japan

**E-mail :** teisen-tyo@teisen.co.jp **URL :** <http://www.teisen.co.jp>

**TEL :** 81-3-3281-3026 **FAX :** 81-3-3274-6397

- **Osaka Branch :** 2-6, Nonaka-kita 2-Chome, Yodogawa-Ku, Osaka
- **Hokkaido Office :** 1-1-1, Kita Nanajo Higashi, Higashi-ku, Sapporo-Shi, Hokkaido
- **Kanuma Plant :** 197, Fudokoro-honcho, Kanuma-Shi, Tochigi-Ken

**Established :** July, 1907

**Paid-in capital :** ¥1,364,348,000

**Fiscal period :** January 1 to December 31

**Number of Employees :** 260 (Consolidated basis)

**Subsidiaries :** 4

**Main Shareholders :** Sompo Japan Insurance Inc.  
Mizuho Corporate Bank., Ltd.  
Meiji Yasuda Life Insurance Company  
Marubeni Corporation

**Listed :** The first section of Tokyo Stock Exchange

**代表者 :** 取締役社長 飯田 時章

**本 社 :** 東京都中央区日本橋2-5-13

TEL 03-3281-3026 FAX 03-3274-6397

E-mail: teisen-tyo@teisen.co.jp

URL: <http://www.teisen.co.jp>

- **大阪支店 :** 大阪市淀川区野中北2-2-6  
TEL 06-6396-0530
- **北海道営業所 :** 札幌市東区北七条東1-1-1  
TEL 011-711-4111
- **鹿沼工場 :** 栃木県鹿沼市府所本町197  
TEL 0289-62-2121

**創 立 :** 1907年7月

**資本金 :** ¥1,364,348,000

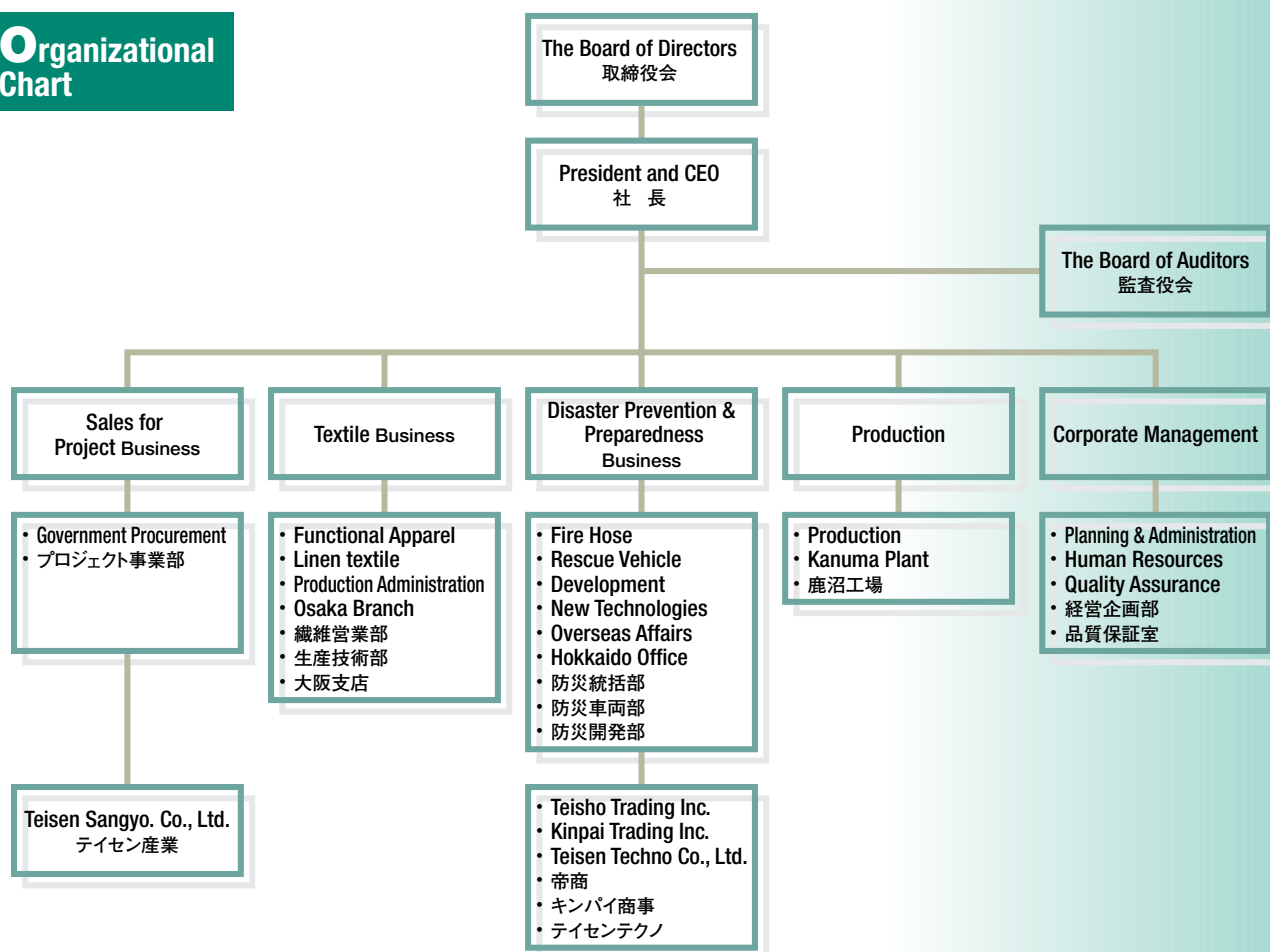
**従業員 :** 260名 (連結ベース)

**子会社 :** 4社

**主たる大株主 :** 株式会社損害保険ジャパン  
株式会社みずほコーポレート銀行  
明治安田生命保険相互会社  
丸紅株式会社

**上 場 :** 東京証券取引所 (第一部)

## Organizational Chart





## Consolidated BALANCE SHEET

(Millions of yen)

Dec-06

ASSETS		LIABILITIES	
<b>Current assets</b>	10,727	<b>Current liabilities</b>	5,587
Cash at bank and in hand	2,793	Accounts and notes payable	4,343
Accounts and notes receivable	5,133	Borrowings	267
Inventories	2,640	Other current liabilities	977
Other current assets	161	<b>Long-term liabilities</b>	1,399
<b>Fixed assets</b>	6,273	Borrowings	79
<b>Tangible fixed assets</b>	2,788	Deposits	276
Property and plant	2,339	Other long - term liabilities	1,044
Machinery, equipment and vehicle	296	<b>TOTAL LIABILITIES</b>	6,986
Other fixed assets	153		
<b>Intangible fixed assets</b>	148		
<b>Investments</b>	3,337	<b>SHAREHOLDERS' EQUITY</b>	
Investments in securities	2,272	Share capital	1,364
Other investments	1,065	Capital surplus	738
		Retained earnings	7,269
		Net unrealized holding gains on securities	837
		Treasury Stock	-194
<b>TOTAL</b>	<b>17,000</b>	<b>TOTAL SHAREHOLDERS' EQUITY</b>	<b>10,014</b>
		<b>TOTAL</b>	<b>17,000</b>

## Consolidated PROFIT AND LOSS ACCOUNT

	Dec-04	Dec-05	Dec-06
<b>Sales</b>	25,324	20,909	21,550
Cost of sales	19,164	16,213	16,552
Gross profit on sales	6,160	4,696	4,998
Selling, general and administrative expenses	2,873	2,760	2,904
<b>Operating income</b>	3,287	1,936	2,094
Non-operating revenues	82	71	69
Non-operating expenses	60	43	40
<b>Ordinary income</b>	3,309	1,964	2,123
Extraordinary losses	711	6	32
Income before taxes	2,598	1,958	2,091
Corporate and inhabitant taxes	1,099	800	876
<b>Net income</b>	1,499	1,158	1,215

## Consolidated Statements of Cash Flows

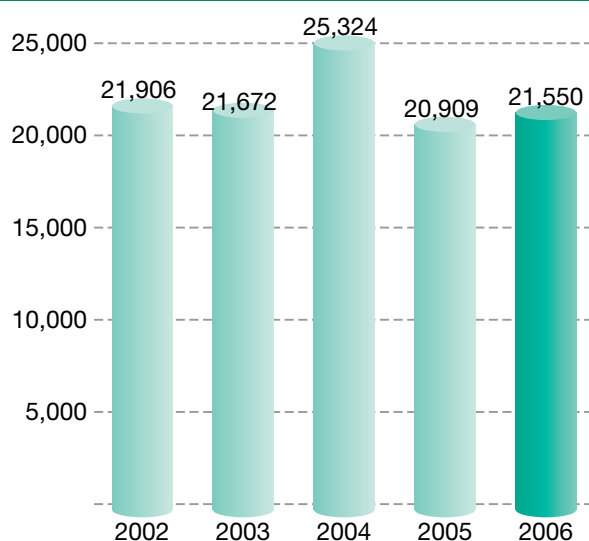
Dec-06

<b>Cash flows from operating activities</b>	
Cash generated from operation	1,686
Income taxes paid	-599
Interest paid	-12
Others	50
Net cash provided by operating activities	1,125
<b>Cash flows from investing activities</b>	
Purchase of property, plant and equipment	-226
Disbursements for property, plant and equipment	-2
Others	80
Net cash used in investing activities	-148
<b>Cash flows from financing activities</b>	
Repayment of long-term borrowings	-687
Others	-46
Net cash used in financing activities	-733
<b>Net increase in cash</b>	244
<b>Cash at beginning of year</b>	2,549
<b>Cash at end of year</b>	2,793

Notes ; The consolidated financial statements include the accounts of TEISEN and four of its wholly-owned subsidiaries.  
 TEISHO TRADING INC. .... Trading (Eastern area of Japan)  
 KINPAI TRADING INC. .... Trading (Western area of Japan)  
 TEISEN SANGYO CO.,LTD. .... Sewing and Insurance  
 TEISEN TECHNO CO.,LTD. .... Rescue Equipment, Vehicle Manufacturing and Maintenance

## Financial Highlights

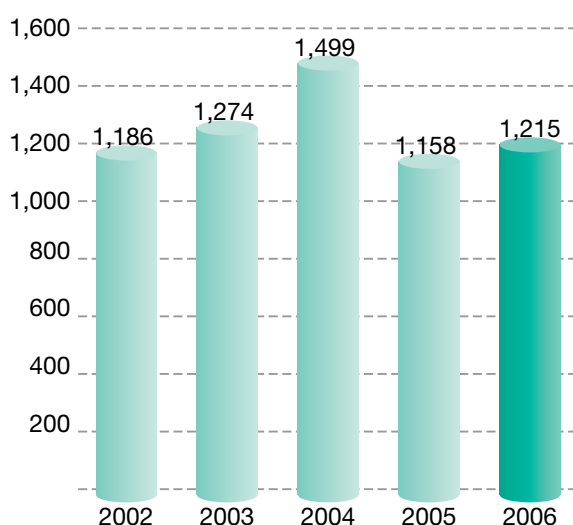
**Sales** (Millions of yen)



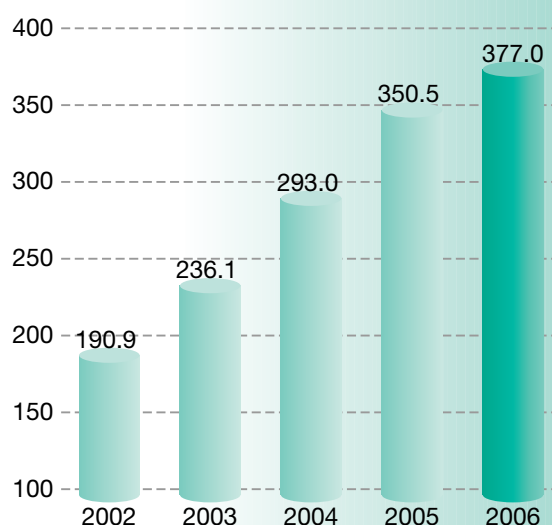
**Net income per share** (yen)



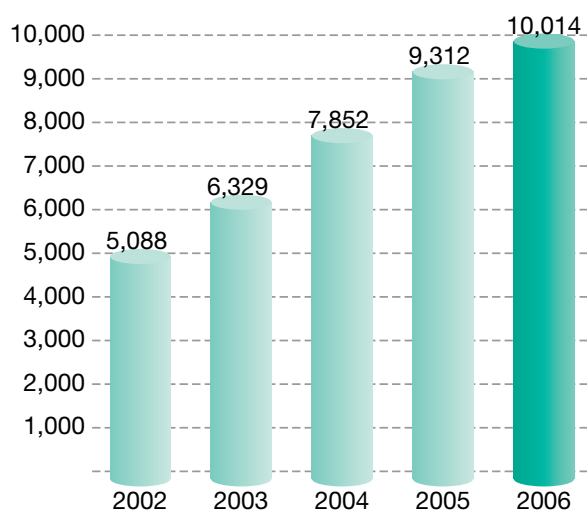
**Net income** (Millions of yen)



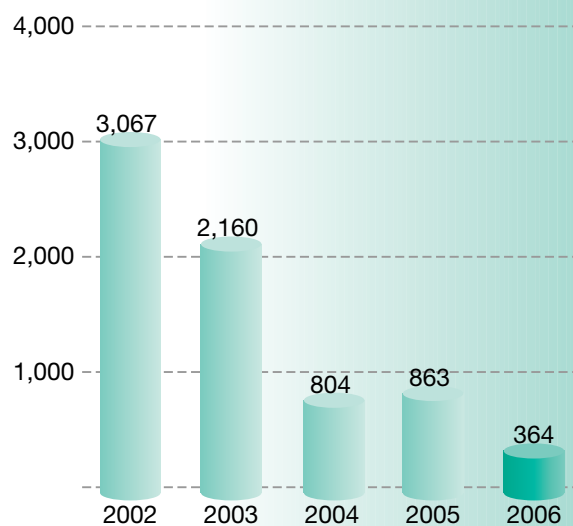
**Shareholder's equity per share** (yen)



**Shareholders' equity** (Millions of yen)



**Interest-bearing debts** (Millions of yen)



## ◆ Disaster Prevention and Preparedness Business

- AB Precision (Poole) Ltd *(U.K.)*
  - ABS Consulting *(U.S.A.)*
  - Ahura Scientific Corporation *(U.S.A.)*
  - Airshore International *(Canada)*
  - Alexeter Technologies LLC *(U.S.A.)*
  - Alfred Karcher GmbH & Co. *(Germany)*
  - Base-X Incorporated *(U.S.A.)*
  - CMS Field Products *(U.S.A.)*
  - Coastal Environmental Systems, Inc. *(U.S.A.)*
  - Cold Cut Systems AB *(Sweden)*
  - Dr.Lange GmbH & Co.KG *(Germany)*
  - Edge Industries Inc. *(U.S.A.)*
  - Elam El Industries Ltd. *(Israel)*
  - Euramco Safety Inc. *(U.S.A.)*
  - Exit Technologies *(U.S.A.)*
  - Firematic International *(U.S.A.)*
  - NBC-Sys *(France)*
  - Grace Industries, Inc. *(U.S.A.)*
  - Hale Products Europe Ltd. *(U.K.)*
  - Hannay Reels, Inc. *(U.S.A.)*
  - Hytrans Systems BV *(Netherlands)*
  - Inficon Inc. *(U.S.A.)*
  - Implant Science Corporation *(U.S.A.)*
  - Lukas Hydraulik GmbH & Co. KG *(Germany)*
  - Max Widenmann KG *(Germany)*
  - Minimax GmbH *(Germany)*
  - Mustang Survival Corp. *(Canada)*
  - Paul Boyé *(France)*
  - Rosenbauer International A.G. *(Austria)*
  - Rotzler GmbH & Co. *(Germany)*
  - Scott Health & Safety Ltd. *(U.K.)*
  - Search Systems Incorporated *(U.S.A.)*
  - Svenska SKUM AB *(Sweden)*
  - Synodys Group *(France)*
  - TEMET OY *(Finland)*
  - Tetracore Inc. *(U.S.A.)*
  - Thales Industrial Services *(France)*
  - TIPSA *(Spain)*
  - Underwater Kinetics *(U.S.A.)*
  - Vetter GmbH *(Germany)*
- etc.

## ◆ Textile Business

- Dong Yang Textile Mfg. Co., Ltd. *(Korea)*
  - IBENA Textilwerke Beckmann GmbH *(Germany)*
  - E.I. DuPont *(U.S.A.)*
  - Harbin Linen Group Co., Ltd. *(P.R.C.)*
  - Herdmans Ltd. *(U.K.)*
  - Herdmans SA (Pty) Limited *(South Africa)*
  - Hunan Textiles Imp. & Exp. Corp. *(P.R.C.)*
  - Lainiere de Picardie *(France)*
  - Lenzing Aktiengesellschaft *(Austria)*
  - LINAS *(Lithuania)*
  - Linificio E Canapificio Nazionale S.P.A. *(Italy)*
  - NV LIBECO•LAGAE S.A. *(Belgium)*
  - Procotex SA Corporation NV *(Belgium)*
  - Royal Ten Cate nv *(Netherlands)*
  - Safilin *(France)*
  - SANECO *(France)*
  - Shanghai Eswell Enterprise Co., Ltd. *(P.R.C.)*
  - Soshu Ohashi Magyo Co., Ltd. *(P.R.C.)*
  - Thomas Ferguson & Co., Ltd. *(U.K.)*
  - Tyrone Crystal Ltd. *(U.K.)*
  - Ulster Weavers Ltd. *(U.K.)*
  - William Ross & Co. Limited *(U.K.)*
  - Zhejiang Golden Eagle (Group) Ltd. *(P.R.C.)* etc.
- \*In alphabetical order

## ◆ Government and Related Institutions

- Fire and Disaster Management Agency
- Japan Coast Guard
- Ministry of Defense
- Ministry of Justice
- Ministry of Land, Infrastructure and Transport
- National Police Agency
- Postal Services Agency etc.

## ◆ Prefectural Governments and Related Institutions

- Metropolitan Police Department and all other prefectural Police Departments
- Tokyo Fire Department and all other municipal Fire Departments
- Tokyo Metropolitan Government and all other local Pref. Government & Municipalities etc.

## ◆ Private Companies

- Honda Motor Co., Ltd.
- Idemitsu Kosan Co.,Ltd.
- Japan Railway group
- JFE Holding Inc.
- Matsushita Electric Group
- Marubeni Corporation
- Mitsubishi Heavy Industries, Ltd.
- Mitsui Fudosan Co., Ltd.
- Nippon Steel Corporation
- Nippon Telegraph and Telephone Corp.
- Nissan Motor Co.,Ltd.
- Sharp Corporation
- Taisei Corporation
- The Tokyo Electric Power Co., Inc. and other electric power companies
- Toyota Motor Corp. etc.



The view of metropolitan TOKYO



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