



KASUGA DENKI, INC.

Developing the Technology of Electrostatic Solution

COMPANY PROFILE



Corporate Profile

 KASUGA DENKI, INC.

Established : May 1955

Capital : 90 Million Yen

Sales Revenue: 3,500 Million Yen (2005 Fiscal Year)

Number of 149

Employee:

Business: Manufacturing and sales of ionizers and related products.

Manufacturing and sales of corona surface treatment equipment

Board of Directors: President & CEO : Masamiki Nishikawa

Executive Director : Seikai Miyazato – Sales

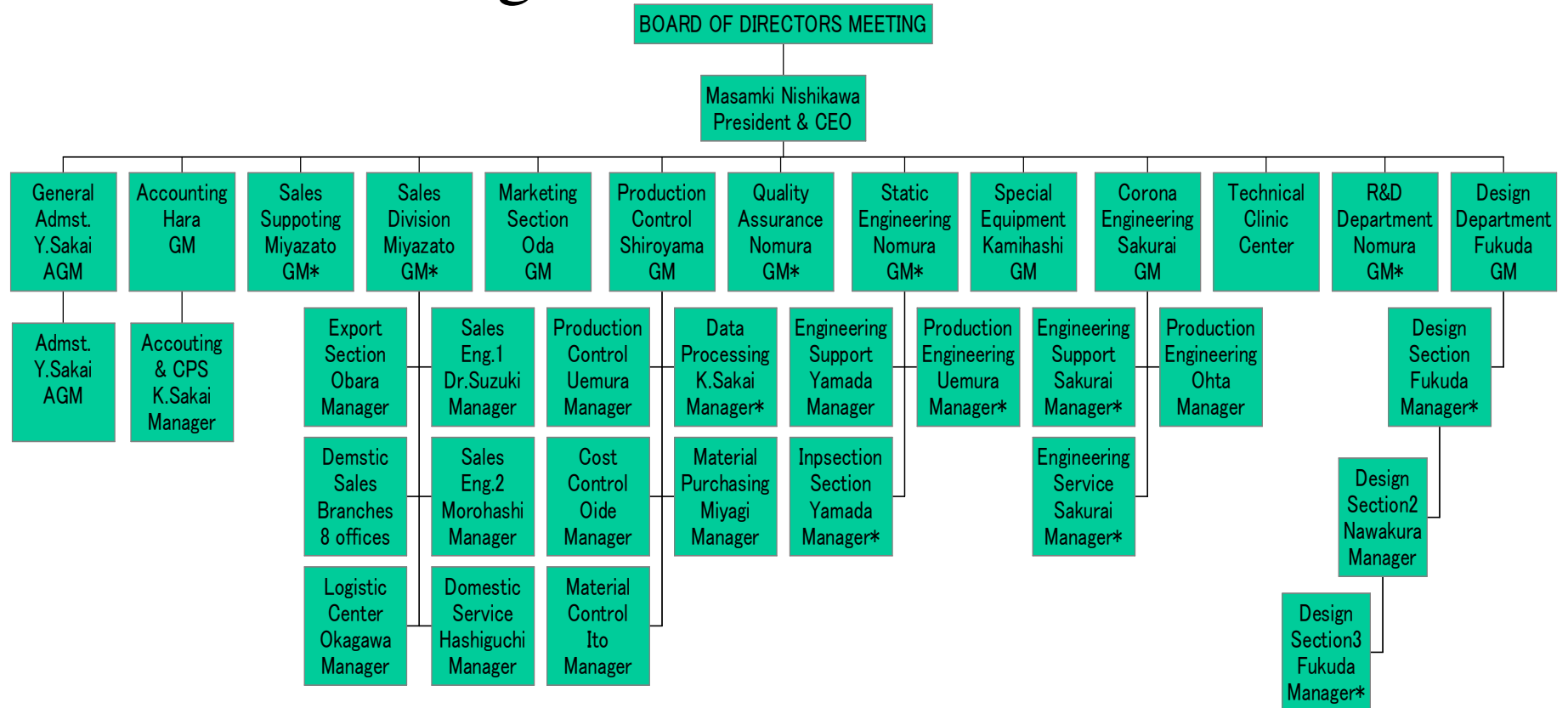
Director : Yukihiro Sakurai – Corona Equipment

Director : Nobuo Nomura – Ionizers

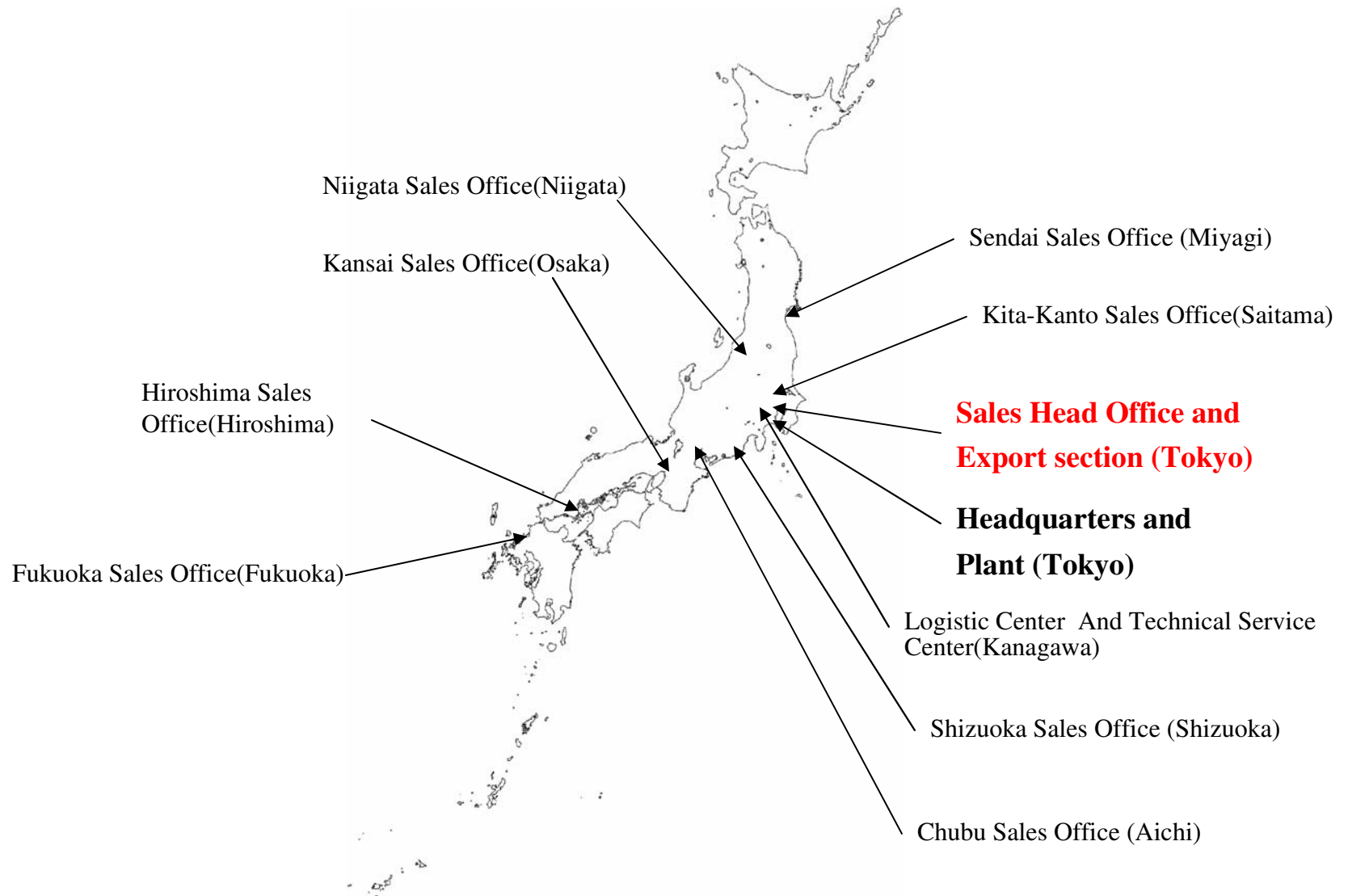
Auditor : Hiroshi Fujii - CPA

KASUGA DENKI INC.

Organization Flow Chart



The Domestic Sales and Service Network in Japan





Corona Surface Treater

Backed by more than 30 years of technical expertise in the area of corona surface treatment, Kasuga Denki stands prepared to meet any kind of user demand for the supply of optimum products for a wide variety of corona treatment applications, including plastic films, conductive films, plastic moldings, non-woven cloths, and paper. In recent years there has been an increasing need for high-precision corona treatment in all branches of industry, and even more functionality has been demanded of film products. To respond to these needs of the market, Kasuga Denki will develop and introduce new products and systems based on a radical new concept as well as on our accumulation of technical experience in this field.





Treating Station

The treating station is a unit designed to apply corona discharges to the base material under treatment. The optimum types of discharge electrode and treating roll can be selected, from among those varied in shape and material, according to the application.





High frequency generator

This unit, the heart of the corona treatment system, produces a high-frequency, high-voltage output to induce corona discharges between the discharge electrode and the treatment roll. This product is available in various types, ranging from small-size generators with the maximum output of 1 kW to large-size generators with the maximum output of 40 kW.

AGF Series
1kW~3kW



Small-size AGI Series
(Economy standard type)
2kW~6kW



AGI Series (Standard type)
4kW ~40kW





KASUGA Products for Electronics

ESD & Contamination

Static Control Solution

ESD Measurement Equipments

**Coulomb Meter
Model NK-1001/1002**



**Human Potential
Meter Model NK-3001/3002**



**Workbench Monitor
Model NK-5001**



**Air Ion Monitor
Model NK-7001**



**Static Meter
Model KSD-0103S/0103 (0 ~ ±20kV)**

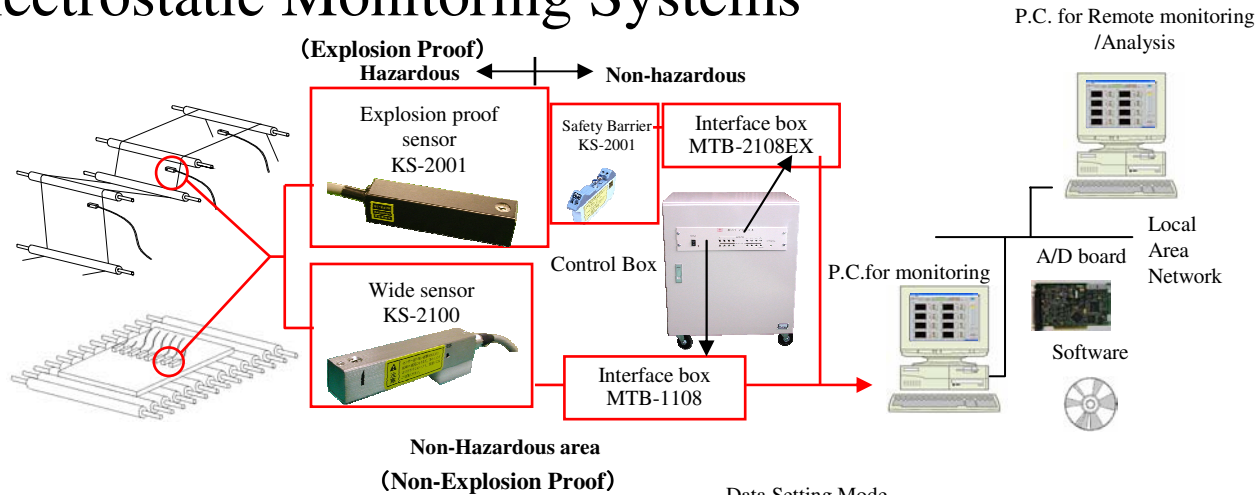


**Static meter
Model KSD-0303(0 ~ ±4,999v)**





Electrostatic Monitoring Systems



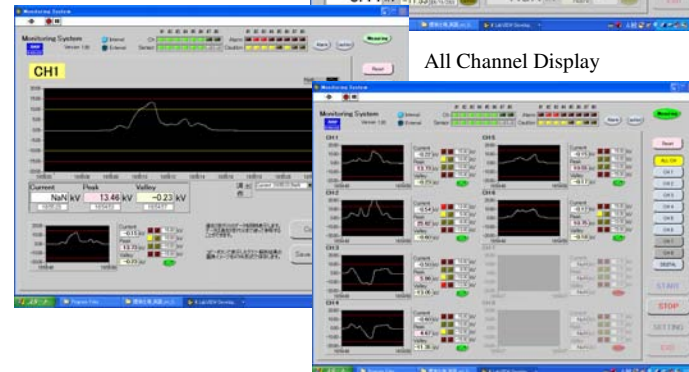
Data Setting Mode

Multi-Channel Display(8channels)



Individual Channel Display

All Channel Display



Software Specification

- Number of Channels 1~8 Channels
- Display range ① $\pm 0.0 \sim 19.99 \text{ kV}$ (Negative display with “-”)
② $\pm 0000 \sim 1999 \text{ V}$ (Negative display with “-”)
- Voltage setting ① 20kV → From 0 to every $\pm 0.1 \text{ kV}$
② 2000V → From 0 to every $\pm 1 \text{ V}$
- Sampling speed 10m sec.
- Control signal Caution setting signal, Alarm setting signal
- Sensor defective signal Signal output at defective (KS-200 only)
- Monitoring display Continuous monitoring display
- Setting method Setting on the setting mode
- Display timing 1/10second (Theoretical figure)
- Measuring data log filing
 - File storing timing every 1minute at 10m sec.setting
 - File storing timing every 12hours at 10sec.setting



Products Guide

 **KASUGA DENKI, INC.**

Fan Type Ionizers

**D.I.C. circuitry built-in
Model ITI-01**



**Cleaning Alarm built-in
Model KSD-730B**



**New Model
Model KSD-740B**



**AC type Cleaning Alarm built-in
Model LFA-03B**



**DC type
Model KD-410B**





Wide area ionizers

**D.I.C. circuitry built-in
Overhead ionizer Model IOH-02/03**



IOH-03 with 3fans

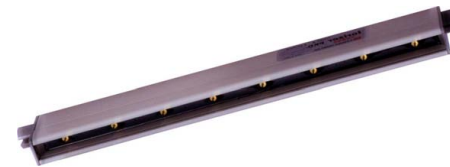


IOH-02 with 2fans



**Ion balance & cleaning indicator
For IOH-02/03**

**High voltage power source built-in
&
Air supporting bar type ionizer
Model APKF series**



**APKF-750
(750mm effective length)**



**APKF-1550AH with Alarm output
(1550mm effective length)**



ESD Coordinators Qualification

Reliability Center for Electronic Components of Japan(RCJ) qualifies the ECD Coordinator under the regulation of IEC61340 series. ESD Coordinators are qualified to play an important role to control ESD solution in the area of Development,Design,Production,Purchasing, and ESD Education in the company.

KASUGA DENKI, INC. has following ESD Coordinators to serve to our customers efficiently as of the year 2003.

Chief ESD Coordinator –2

ESD Coordinator - 10

Authorized Sales in USA

- **A-Walk USA, INC.**
Irvine/California

www.a-walkusa.com