

CHUWA INDUSTRIAL CO.,LTD.



CHUWASTAR Smokeless Incinerator for Medical Waste.

Complete sterilization, significant volume reduction, rapid processing

- ◆ Location: Tokyo
- ◆ Product / service: Smokeless Incinerator for Medical Waste



Product characteristics:

Our products can combust infectious medical waste perfectly, within a short time with easy operation and results into significant volume reduction. By using our unique "Water jacket system" & "Forced air supply system", we achieved:

1. High durability against high temperature form incinerating plastics
2. Better operational environment
3. Hot water use
4. Complete incineration with no smoke
5. Shorter processing time
6. Mixed burning of miscellaneous waste

ZUIKO MEDICAL CORPORATION



Innovative wound treatment and dressing to contribute to medical treatment in Africa

- ◆ Location: Osaka
- ◆ Product / service: Innovative wound treatment and dressing



Product characteristics:

Wound healing is undergoing a paradigm shift from the traditional treatment methods, where the surface of the wound is dried using gauze, to "Moist Wound Healing", a treatment method whereby the growth of cells on the surface of the wound is promoted by keeping a moist environment. Moist wound healing enables a wound/burn to heal faster with less pain and scarring when compared to traditional treatments.

ZUIKO MEDICAL has developed wound dressings that are essential for the implementation and spread of moist wound healing.

ZUIKO MEDICAL aims to produce the wound dressings "Plus moist" that upturns existing concepts to guarantee an astonishing wound treatment.

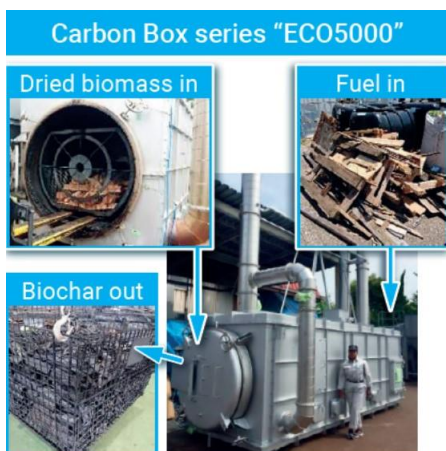


Meiwa Co., Ltd.



Enabling drought-resilient agriculture with Meiwa's carbonisation machines to convert under-utilised biomass into powerful soil conditioners

- ◆ Location: Ishikawa
- ◆ Product / service: Biomass carbonisers



Product characteristics:

Meiwa manufactures carbonisation machines that can convert under-utilised biomass (e.g. agricultural and forestry residues) into charcoal, known as biochar. Biochar performs as a powerful soil conditioner for water and nutrient retention, root growth promotion and pH adjustment. It can be a vital solution to make rain-fed agriculture more resilient to drought as well as land degradation.

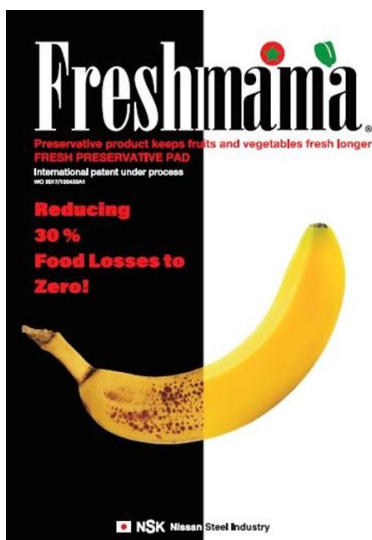
We are launching a JICA-funded pilot project in Kenya from 2019. With engineers, agricultural experts and local consultants in our project team, we aim to transfer our technologies through a local government to enable sustainable production and use of biochar to improve the agricultural productivity.

Nissan Steel Industry Co., Ltd.



Food Losses to zero !

- ◆ Location: Kyoto
- ◆ Product / service: Film decomposing ethylene gas



Product characteristics:

International Patent (PCT) Application/
New Technology Released!

The technology of mixing the patented ethylene decomposition material into polyethylene film effectively decomposes ethylene gas discharged from fruits and vegetables into carbon dioxide and nano water to suppress mold.

The interior is optimised for the optimum concentration of CO₂ and oxygen, minimizing the exhaustion of fruits and vegetables, and a revolutionary new technology to prevent the aging and decay of fruits and vegetables!

Nitto Construction Inc.



Hammer device to estimate the compressive strength of concrete

- ◆ Location: Hokkaido
- ◆ Product / service: Concrete Tester and Surveyor



Product characteristics:

CTS is a multifunctional device that estimates compressive strength and detects concrete spalling by measuring the impact waveform obtained by tapping a concrete surface with a hammer fitted with an accelerometer.

It can be used in for construction management, quality control, and maintenance of concrete structures.

SPEC COMPANY LIMITED



Hardening soil with STEIN.
We will make roads, irrigations, and your daily lives.

- ◆ Location: Tokyo
- ◆ Product / service: Soil hardening agent



Product characteristics:

STEIN is a soil hardening agent composed from more than 25 types of organic materials. It was developed in Japan 1975. By mixing STEIN with soil about 10% in the best rate of water and compaction, it can make soil hard enough for construction of roads and irrigation systems.

The merits of STEIN construction is low cost and high durability. It is possible to make pavement roads 40-60% cheaper than asphalt roads. Also, there is less problem of peddle and cracks. The running cost is low because STEIN roads are needless to maintenance so often.

DELTA Corporation



Smiling Future with Drones.

- ◆ Location: Chiba
- ◆ Product / service: Drones for industrial use



Product characteristics:

Industrial Drones (Unmanned Vehicles)

We are an Unmanned Vehicle Manufacturer specialising in the development of:

1. Drones, Unmanned Aerial Vehicles (UAV), Unmanned Ground Vehicles (UGV), Unmanned Surface Vehicles (USV), Unmanned Underwater Vehicles (UUV).
2. AI which enables autonomous driving, obstacle avoidance and object recognition of Unmanned Vehicles.
3. Cloud Systems for Big Data collection and analysis.

WARPSPACE, inc.



Supplying the world's most compact satellite technology to Africa. - The African space industry's Big Bang -

- ◆ Location: Ibaraki
- ◆ Product / service: Ultra-compact satellite technology & communications infrastructure



Product characteristics:

It is a service which transfers the know-how for developing ultra-compact satellite technology (the world's smallest standard of 10 cm cubed) to African governments and their research institutions, as well as big enterprises for profit.

The transfer process takes 3-4 years including the development of local human resources. We support satellite missions, startups and industry development in Africa, by providing micro satellite technology that enables satellite development at 1/10 or even 1/100 of the cost of larger satellites, as well as the communications infrastructure required for satellite operation.