

# FOREIGN TRADE

OF THE DEMOCRATIC PEOPLE'S  
REPUBLIC OF KOREA

JUCHE 95  
(2006) 1

선삭가공중심반

**RTC 210**



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# *"Moranbong" Bicycle*



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THE COMMITTEE FOR THE PROMOTION OF INTERNATIONAL  
TRADE OF THE DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

Cable add: "KOMT" Pyongyang

# Taean Friendship Glass

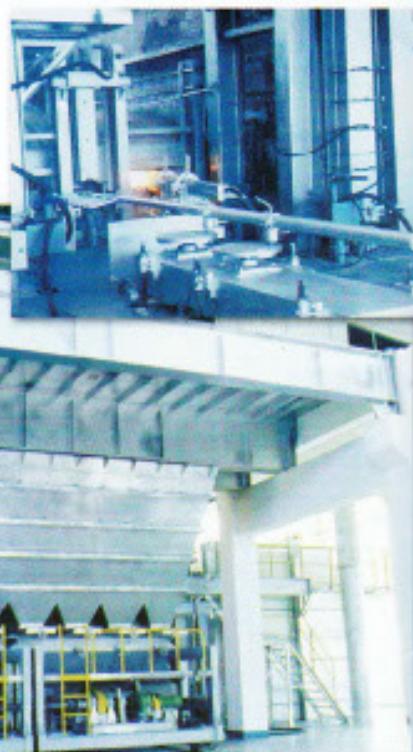


The Taean Friendship Glass Factory, covering an area of hundreds of thousands of square metres on the bank of the Taedong River flowing down to the West Sea of Korea, is a mammoth glass producer with high productivity as all the main production processes and auxiliary systems are equipped with state-of-the-art facilities.

The main production processes for melting, moulding, cooling and finishing, and the auxiliary systems for screening sand and mixing materials in a spacious yard, sand and refined sand store, sodium carbonate store, oil tanks, pumps and 10kV sub-

stations are rationally combined to boost glass production.

The heavy-oil melting furnace with a daily capacity of 300 tons is



designed to melt glass from 1,400°C and the liquid bath in the heat exchangers for the glass containers are well-conforming to international regulations.

The raw materials are equipped with a melting furnace with a gripping system for moulding the containers.



# Glass Factory

designed to control the melting temperature from 1,400°C to 1,500°C and the level of glass liquid by computers and the heat storage chambers for melting furnace are well arranged in conformity with the technical requirements.

The moulding shop is equipped with tin melting furnace and gripping rollers for moulding flat glass and the cooling shop is



furnished with large-size blowers and cutting facilities so as to turn out any size of glass.

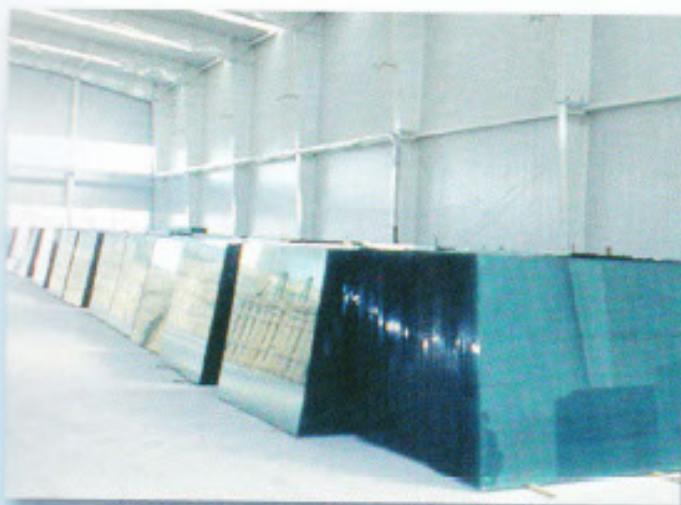
All the production processes of the factory from feeding of raw materials to packing are on a stream line. Its daily output is tens of thousands of square metres.



The size of flat glass is 2,000x1,500mm, 3,050x2,134mm and 4,000x3,000mm and the thickness is 3 to 12mm.

At present, high-quality flat glass is being mass-produced at the factory fed with silica sand, feldspar, dolomite, marble and other raw materials abundant in our country.





The Taean Friendship Glass Factory, a symbol of the DPRK-China friendship which has been strengthened and developed day after day through generations under the special concern of the leaders of both countries, will make a great contribution to the socialist economic construction and the improvement of the people's living standards in the DPRK as a model of economic cooperation in the new century.





## RTC 350



**RTC 136**



**RTC 210**



**RV 30**



**RV 40**

### Specifications

Max. turning diameter	350mm
Diameter of workpiece	51mm
Stroke: X axis	195mm
Z axis	600mm
Spindle speed	45-4,500 rpm
Diameter of spindle bore	62mm
Number of tools on turret	12
Feeds: Rapid feed in X axis	20m/min
Rapid feed in Z axis	24m/min
Output of spindle motor	15kW
Weight	5,700 kg
Dimensions(LxWxH)	2,800x1,565x1,943mm

### Ryonha Machinery Joint Venture Corporation

Central District, Pyongyang, DPRK

Tel: 850-2-18111-3818624

Fax: 850-2-3814410

E-mail: [ryonha@silibank.com](mailto:ryonha@silibank.com)

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# NORTH EAST ASIA BANK

The North East Asia Bank, renamed in May 1999, is the successor of the ING-North East Asia Bank run by the joint effort with ING Group, a financial enterprise in the Netherlands.

The bank has rendered various banking and consultation services, foreign exchange and stock exchange in other countries on the credit-first principle since its establishment.

Recently, the bank has introduced IC cash card system in cooperation with the STS I-Tech Corporation to offer convenience to clients.

This cash card stores the information like the kind of currency, amount, card ID number and the password for user identification.

Its size is only 8x5 cm for clients' convenience, while five or six currencies including Korean won, euro, Japanese yen and Chinese RMB can be simultaneously memorized in a card.

A card user can frequently change the password for user identification so that no one but the owner himself can use the card even after the

loss of it.

The card settlement system fully guarantees the security of fund with the ID confirmation and authentication by finger-print, e-ID card and computer.

Institutions, enterprises, trading firms and individuals can acquire the cash card with not only cash but also remittance and foreign cheques.

The bank is planning to give much more importance to credit, introduce a card settlement system in many public service facilities and establish branches in foreign countries

in order to provide all individuals and corporations at home and abroad with better financial management.

President Kim Hyon Il

## North East Asia Bank

Central District,

Pyongyang, DPRK

Tel: 850-2-18111-3818916

Fax: 850-2-3814703

E-mail: kfic@silibank.com



# Korea Maranatha Enterprise Development Ltd.

The Korea Maranatha Enterprise Development Ltd. (KMED) commenced its activities in May 2004 as a financial joint venture between the DPRK Ministry of Finance and Maranatha Trust Company in Australia.

KMED makes an active contribution to the strengthening of material and economic foundations of minor enterprises and the revitalization of their businesses by making effective use of microfinance loans.

KMED enjoys a large patronage and has become known as a company with a bright prospect for its non-profit-making character of business management.

The principal finance for its loan is investment by the DPRK government, the Maranatha Trust Company of Australia, international organizations, foreign governments and non-governmental organizations.

As a financial enterprise, the company carries on such service businesses as those for rational methods and adequate offer of loan, management plan, budget compilation, know-hows and introduction of business partners.

At present, a large number of clients in different sectors of the national economy are



making a substantial profit. Along with this, exchange and cooperation with foreign investors have been promoted and the financial possibilities expanded.

KMED will greatly contribute to the development of the national economy by securing the financial reserve through the improvement of its strategies and the development of exchange and cooperation with investors abroad.

General Manager B. Hugh Gollan

Deputy General Manager Ri Il

Central District, Pyongyang, DPRK

Tel: 850-2-18111-3814335/3812365

E-mail: hughgollan@maranathatrust.org



This drug was awarded gold medals and prizes on several occasions at the international commodity exhibitions.

**Indications:** Prostatitis, tinnitus, menopausal disorder and depression of sexual function.

**Dosage:** Two or four tablets once a day before meals.

**Content:** 250mg per tablet

**Korea Pugang Pharmaceutical Company**

Pothonggang District, Pyongyang, DPRK

Tel: 850-2-18555-3818525

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E-mail: pugang@silibank.com

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# Pyongyang Recycle Corporation

The Pyongyang Recycle Corporation (PRC) is a trading organ under the control of the DPRK Ministry of Electronic Industry.

Since its foundation in March Juche 89(2000), the corporation has so far conducted business activities with trading companies in Russia, China, Japan, Singapore, Malaysia, Canada and Germany.

The PRC engages in wide range of business transactions including the development and export of various electronic and electric appliances and devices, and software, technical service for internet on the spot, disassembly of abandoned electronic goods, recycling of plastic waste, production of heavy oil from worn-out tyres and transport of cargoes.

It has branch offices and service centres in Pyongyang, Nampho, Sinuiju, Hyesan, Hamhung

and other cities.

Rectifiers, electric and electronic devices, plastic sashes, solar cells and plastics are on a good sale at home and abroad.

The processing of various electronic goods is one of its major businesses.

The PRC with powerful technical force and modern production bases is paying best endeavour for the fulfillment of trade contracts and is always ready to offer satisfactory service to customers.

For more information, please contact.

Add: Tongdaewon District, Pyongyang, DPRK

Tel: 850-2-18111-3818074

Fax: 850-2-3814410/3812100

E-mail: recycle@co.chesin.com

## Phyongsim Rubber Joint Venture Company

The Phyongsim Rubber Joint Venture Company is an exclusive manufacturer and exporter of a wide variety of rubber belts.

The company runs a rubber belt factory with an annual output of tens of thousands of metres.

Products turned out at the factory comprise conveyor belts, flat belts and V-belts of different sizes.

The conveyor belt process is furnished with complete sets of machines and equipment including primary and secondary rollers, calendars, extruders and oil-heated presses, and the V-belt manufacturing process, with computer-controlled injection moulding machines, forming apparatuses and presses.

A rich selection of fabric-coated belts exhibit excellent properties in tensile strength and adhesion, and their elongation is four to six percent.

The width of conveyor belts is 600, 800, 1,000 and 1,200 mm and that of flat belts is 75, 100, 150 and 200 mm. Their length is optional with the buyers' request.

V-belts divided into A, B, C and D types are single-ply belts with great adhesivity.

In the future, the company will channel its major efforts into promoting the updating of equipment and increasing the kinds and output of belts by applying the advanced technology into production.

President O Ryong Sun

Songyo District, Pyongyang, DPRK

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Fax: 850-2-3814623

E-mail: hwahak33@co.chesin.com

# DPRK's Foreign Trade Policy

It is a consistent policy of the DPRK to expand and develop trade and economic cooperation with foreign countries under the idea of independence, peace and friendship.

The DPRK's foreign trade is aimed at promoting trade with other countries on the firm basis of an independent national economy of the country.

The great leader Comrade Kim Jong Il said:

**"Developing foreign trade does not contravene economic self-reliance; on the contrary, it is an important guarantee for consolidating the independence and might of the nation's economy and making the national economy more Juche-oriented, modern, and scientific."**

In the past, the DPRK government has increased export on the firm basis of an independent national economy already laid down in our country, while importing raw materials and goods that are not available or in short supply from international markets so as to develop the economy and better the people's livelihood.

The government has carried out the policy of maintaining the principles of independence, equality and mutual benefit in foreign trade.

In the past, it has never tolerated the arbitrariness and one-sided demand in foreign trade, and actively supported and encouraged the struggle of the developing countries in their efforts to abolish the outdated international economic order and establish a new one.

It has also established rigid discipline in all companies and corporations of the country in order to upgrade exports, observe their delivery dates and perform such contractual duty as payment for imports, adhering to the credit-first principle in foreign trade.

Besides, the government has exerted efforts to make foreign trade multilateral and diverse, expanding its scope and further cementing economic ties with other countries.

Our country is maintaining the close ties of trade with the neighbouring countries.

It is strengthening economic cooperation and trade relations with European countries as well.

Recently, trade and economic cooperation have been promoted with EU member nations including Germany, Sweden, France and Switzerland in the domains of energy, agriculture, mining, forestry, medical service and environmental protection, and a series of measures have been taken to expand and develop various forms of trade transactions.

In accordance with the recent trend of international trade, the government has encouraged the mode of processing trade intended to import raw materials and spare parts in the fields of textile, clothing, machinery and equipment, vehicles, electronic goods and agricultural produce to be processed and assembled on consignment.

The DPRK government is pursuing the policy of switching over the export structure from export of raw materials to that of processed goods by increasing the processing capacity.

At present, the main exports in our country embrace second- and third-stage processed goods including magnesia clinker, cement and rolled steel, machine tools and processed marine products.

It has also directed great efforts to marketing such technological commodities as Paduk (go) programmes and other software based on its modern IT industry.

The latest technologies have been developed in the fields of biotechnology including cell engineering; hydraulic engineering including technologies for gravity-fed waterway system and barrage system; immunology, laser engineering, material engineering and heat engineering, and these technologies find more outlets into international markets.

The principal imports in our country cover crude oil, cokes, communications equipment, information-related machines and equipment and daily necessities.

The government has taken measures to eliminate discrimination in trade dealings and impose import duties at fair rates on the principle of equality and mutual benefit and, at the same time, to improve the nation's trade climate and

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strengthen international cooperation.

It is keeping close ties with UN economic organizations including UNCTAD and International Chamber of Commerce and other international economic organizations and bodies.

In future, the DPRK government will continue to

develop a fair and reciprocal trade with different countries around the world on the principles of independence, mutual respect and equality.

Associate Prof. and Master Jo Chang Jun  
Head of Trade Department of the University of National Economics

## Korea Ryongwang Trading Corporation

The Korea Ryongwang Trading Corporation is a state-run exporter and importer that has reliable export-oriented production bases.

The corporation has annually expanded the scope of its business transactions since its establishment in 1983 and now has trade partners in 30-odd countries.

Its major exports include compound plastic pipes, hardware, spare parts for cars and vessels, cast and forged iron products, hard glassware, cutlery, fireworks and nonmetallic minerals, and its imports comprise electric products, machinery, light

industrial products, metal products and high-tech facilities.

The corporation also engages in joint venture with other countries in development and sale of calcium carbonate, cyanite, potassic feldspar and quartzite.

The Huichon Hard Glassware Factory under the control of the corporation equipped with latest facilities is mass-producing varieties of quality and colourful glassware like rice bowls, soup bowls, plates, cups and small bowls, enjoying a good reputation among clients at home and abroad.

The corporation does its best to produce and export different

kinds of products in conformity with the demand of the world markets by attracting investment of up-to-date machines and equipment through joint venture.

It aims at promoting cooperation and exchange in closer contact with foreign companies in many countries.

Orders are always welcome.

Add: Pothonggang District,  
Pyongyang, DPRK  
Tel: 850-2-18111-3818848  
Fax: 850-2-3815274

## Korea Samgwang Trading Corporation

The Korea Samgwang Trading Corporation is a state-run trading firm of the DPRK.

The corporation has scores of factories including the Taedonggang TV Factory and the Pyongyang Automatic Appliances Factory as well as a joint venture company specializing in the manufacture of computers and their parts.

Besides, it encourages joint venture in the

field of electronic products.

**Export:** TV sets, computers and their parts, printers, tape recorders, video sets, electric fans, distributing boards and spare parts of electric and electronic goods.

**Import:** IC circuits, electronic elements, ABS resins and chemical products.

Add: Songyo District, Pyongyang, DPRK

Tel: 850-2-18111-3818416

Fax: 850-2-3814443

# Pyongyang Clothing Joint Venture Company

The Pyongyang Clothing Joint Venture Company was established by the joint investment between the Clothing Industry Bureau of the DPRK and the Ryugyong Trading Co., Ltd. of the General Association of Korean Residents in Japan (Chongryon).

The company has 10-odd clothing factories including Pyongyang Clothing Factory, Pyongyang Changgwang Clothing Factory, Pyongyang Children's Clothes Factory and Mangyongdae

Clothing Factory.

Fitted with up-to-date facilities, those factories are staffed with well-experienced technicians and skilled workers.

In the past decade, the company has exported more than hundred thousand pieces of clothes every year, including men's suits, overalls, children's clothes, overcoats, Korean national costumes, padded clothes and one-piece dresses. In particular, men's suits and overcoats enjoy a

good reputation among purchasers in Japan and other countries for their high quality and competitive price.

In future, the company will further upgrade the quality of products by introducing advanced clothing technology into production.

**Pyongyang Clothing Joint Venture Company**

Taedonggang District, Pyongyang, DPRK

Fax: 850-2-3814845

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# Korea Kwangmyong Trading Group

The Korea Kwangmyong Trading Group is a state-run trading company which guides in a unified way the trade dealings of local trading corporations set up in provinces of our country.

Over the past 30 years since its establishment in 1976, the group has enlarged overseas markets for its products every year, and is extensively carrying on trade transactions with trading firms and enterprises in more than 60 countries and regions of Asia, Europe, Africa, America and Oceania.

It has stationed branches, representative offices and agencies in many countries of the world.

The group has under its control several trading corporations including Korea Pyongyang Trading Corporation, Korea Taedonggang Trading Corporation, Korea Amrokgang Trading Corporation, Korea Inphung Trading Corporation, Korea Paekmu Trading Corporation, Korea Tumangang Trading Corporation, Korea Songchongang Trading Corporation, Korea Songdowon Trading Corporation, Korea Kyongam Trading Corporation, Korea Suyangsan Trading Corporation, Korea Songaksan Trading Corporation and Korea Namsan Trading Corporation.

Under the favourable local economic, natural and geographical conditions, these corporations have

established modern export-oriented production bases so as to turn out varieties of export commodities including nonmetallic minerals, agricultural produce, medicinal herbs, cocoons, marine products, clothes, knitwear, silks, electronic goods, jewels, drinks, foodstuffs, embroideries, handicrafts and plaited articles.

The Korea Namsan Trading Corporation and other corporations have been active in such businesses as transportation of transit cargoes and chartering with their own cargo vessels.

The Korea Amrokgang Trading Corporation, Korea Inphung Trading Corporation and Korea Tumangang Trading Corporation are promoting frontier trade with companies in the Far East region of Russia and the northeastern areas of China.

In the future, the group will continue to expand and develop trade and commercial relations with foreign countries on the principles of equality, mutual benefit and of filling each other's needs.

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# Horseradish (Wasabi)

The Korea Pugang Natural Green Foodstuffs Corporation exports Korean horseradish, one of health foods, in the form of raw and salted roots, spice and Kimchi (pickled vegetable).

The corporation's horseradish without using fertilizers and agrochemicals is cultivated in spring water running through the deep valley of Mt. Kumgang, a celebrated mountain of Korea. This spring water gushing out from the rock formation of actinolite and Kumgang medicinal stone contains more than 30

kinds of microelements. With a great sterilizing power, the horseradish shows a good effect on internal and allergic diseases, gastroenteric disorders, senility, blood purification and depression of sexual function. It has also a strong action of anti-cancer and anti-oxidation.

Korean horseradish registered as an international natural food was highly appraised at the Wasabi Show held in Tokyo, Japan in

1994 for its nice taste and peculiar flavour.

Its raw root weighs 10-200g and is available in all seasons.

Kimchi pickled with its roots and leaves is much pleasing to epicures by a happy combination of unique flavour and hot taste.

You are recommended to take it for your vitality and longevity.

**Korea Pugang Natural Green Foodstuffs Corporation**

Pothonggang District,  
Pyongyang, DPRK

Tel: 850-2-18555-3818514

Fax: 850-2-3814544

E-mail: pugang@silibank.com



# Korea Pugang Corporation

The Korea Pugang Corporation is an authoritative state-run corporation with enormous potentiality for export.

The corporation established in July 1979 has entered into trade relations with more than 60 countries. It stationed its branches and agencies in Beijing, Dandong, Jian and Shanghai of China, Moscow and Nakhodka of Russia, Havana of Cuba, Berlin of Germany, Sofia of Bulgaria, Warsaw of Poland, Fribourg of Switzerland, Karachi of Pakistan, Kuala Lumpur of Malaysia, Cairo of Egypt, Damascus of Syria and Addis Ababa of Ethiopia.

It has under its control the



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Pugang Electronic Products Corporation, Pugang Commemorative Coin Corporation, Pugang Motor Cycle Corporation, Pugang Glassware Corporation and Pugang Natural Green Foodstuffs Corporation. Besides, it runs export-oriented enterprises in the sectors of metal, mining, machine-building, chemical, electric and electronic, glass and timber industries, as well as gold mine, pharmacy, mineral water factory, brewery and mint factory.

Its principal exports are machine products, high-purity metals, gold and silver

commemorative coins, chemicals, glassware, natural health foods like horseradish grown in spring water gushing out in Mt. Kumgang and its products, medicines including Hyolgungbullojung and Kumdang-2 injection, and its imports are metal products, chemicals and light industrial products.

Hyolgungbullojung, Kumdang-2 injection and horseradish and its products, specialities of the corporation, were awarded gold prizes and medals several times in international fairs.



Parts for containers, one of its chief export items, are in growing demand on the West European markets.

Commemorative coins of up to 1kg delicate and accurate in delineation and diversified in themes are also great in overseas demand.

Hyolgungbllojung, a vegetable drug, is an elixir of life with tens of times of remedial efficacy as compared with musk. Therefore, the Tunisian ministry of Public Health awarded a gold trophy to this drug and the



Egyptian first vice-Minister of Public Health appraised it as an "Oasis in the 21st century".

Kumdang 2 injection takes miraculous effects on various chronic diseases with no side-effects.

Over the past two decades, many of in-patients who suffered from various diseases have been completely cured after administering this injection.

Horseradish (Wasabi) grown in spring water in Mt. Kumgang was highly estimated at the Wasabi Show held in Tokyo, Japan in 1994 for its peculiar taste and flavour.

In addition, the corporation exports varieties of nonmetallic minerals including silver nitrate ( $\text{AgNO}_3$  99.5%), nickel sulphate (19% min.), graphite (C 85.6%) and ferrosilicon (Si 75% min.).

The corporation exports motorcycle "Pugang CM100-4B" newly developed on the basis of the latest achievements of advanced science and technology.

Its specifications are as follows:

Total length	1,855 mm
Width	668 mm
Height	1,045 mm
Net weight	90 kg
Max. speed	75 km/h
Transmission	4-speed



#### Korea Pugang Corporation

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E-mail: pugang@silibank.com



# Pyongyang Bicycle J-

The Pyongyang Bicycle Joint Venture Factory set up as a joint venture enterprise between the DPRK Committee for Promotion of External Economic Cooperation and the Chinese Tianjin Digital Trade Co., Ltd. is a promising producer of various kinds of bicycles.

The factory with an annual capacity of some hundred thousand bicycles is equipped with streamlined production processes.



"Moranbong"-brand bicycles come in tens of kinds for the purpose of racing, mountaineering and travelling. They also include bicycles designed for children and the handicapped together with different kinds of trolleys.



The mountain bike models S-02, S-03, S-04 and S-05 consist of main frames and front forks fitted with tiptop buffers. Their change gear has 12, 18 and 21 teeth and tyre size is mainly 26 inches.

Electric motor cycle comprises models D-01 and D-02. Their main frames and buffered front forks made of aluminum alloy are argon-welded. Their speed is 20km an hour and the output is 200W.

Bicycle models ranging from C-01 to C-16 serve for the urban and women's purposes. Their tyre sizes are 24 and 26 inches.



# The J-V Factory

Besides, the factory produces folding cycle models Z-01 and Z-02, and special trolley models T-01, T-02, T-03, T-04 and T-05, including pushcarts and manual hydraulic forklifts.

All the products ensure superior quality and high precision.

In the future, the factory will strive to

upgrade the quality of bicycles and satisfy the domestic and overseas demands for them.

## Phyongjin Bicycle Joint Venture Company

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# **Economic Cooperation & Technical Exchange**

Today, the wholehearted economic exchange and cooperation are being promoted between the DPRK and the developing countries on the principle of equality and mutual benefit.

The Korea South-South Cooperation Corporation has so far established a good reputation by strengthening the cooperation with more than 30 countries in Asia, Africa and Latin America in various fields of the economy since its foundation in 1967. Over the past years, the corporation rendered assistance beneficial to the developing countries in building mines, tunnels, roads, bridges, railway bridges, hydraulic power plants, transformer substations, dwellings, public buildings, irrigation systems and

power transmission lines while developing mutual exchange of hi-tech in industry, agriculture, fisheries, education, culture and public health.

Its construction teams comprising veteran technicians and experts have built in African countries a great number of construction projects including farm implement factories, tractor and truck repair factories, hydraulic power plants, power transmission lines, pump factories, shipyards, glass and ceramic factories, matchmaking factories, irrigation systems, parliament buildings, party congress halls, youth and children's palaces, technical universities, cultural centres, printing shops, women's and children's clothes factories.

The corporation has also undertaken building projects for universities, hydraulic power plants, farm machine repair shops and irrigation networks in Pakistan, Cuba, Guyana and other developing countries, giving a full satisfaction to them.

Of late, its technical staff dispatched in Guinea, Nigeria and Bangladesh has built hydraulic power plant, 93-km-long power transmission line, marble and granite mines, electronic appliance assembly centre and Koryo medicine centre.

The mass gym experts of the corporation have been sent to Nigeria to exhibit a mass gymnastic display in the opening and closing ceremonies of the 8th Pan-African Sports Games held

in Abuja winning a

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exchange and cooperation with the developing countries under the noble idea of South-South cooperation.

### Korea South-South Cooperation Corporation

Central District, Pyongyang, DPRK  
Tel: 850-2-18111-3818820  
Fax: 850-2-3814776  
E-mail: kossco@sillbank.com



in Abuja National Stadium, winning a great popularity among the audience.

The Korea Technology Corporation under its control is specialized in business service on information technology and intellectual property rights including inventions and patents, and technical exchanges relating to hi-tech like the greening of deserts and nano technology.

The Korea South-South Cooperation Corporation will, in future, further expand and develop the wide-ranging economic



# *Production & Export of Essential Oils*



The Pyongyang Essential Oil Research Centre (PEORC) founded in 1984 is a comprehensive supplier of essential oils aiming at providing research and data information, rendering technical assistance to manufacturers and turning out finished products.

PEORC employs scores of scientists and technicians, and some hundred skilled workers.

With an annual production capacity of hundreds of tons, it is equipped with complete sets of up-to-date production facilities including vacuum film evaporators and vacuum rectification columns, and modern analysing apparatuses such as gas-chromatographs.

Its major products are abies oil, Perilla oil, pine-needle oil, fir-needle oil, Artemisia oil, Eleutherococc extract and its powder that are extracted from natural plants.

They are winning popularity among clients for their fine quality.

PEORC is now in a position to produce various kinds of perfumes such as Chongsonghyang, Konganghyang and

Jinunghyang as well as toothpaste made from natural essences as their main ingredients.

These products are exported to China, Japan, Germany and other countries around the world.

Especially, red pine-needle oil, black pine-needle oil, fir-needle oil and Thuja oil are registered as articles of national certification.

With its strong research and production base, PEORC makes its best to carry on brisk trade dealings and to cultivate joint ventures in the field of research and production of essential oils.

For more details, please contact:

## KOREA SAENAL TECHNOLOGY TRADING CORPORATION

Central District, Pyongyang, DPRK

Tel: 850-2-18111-3818282

Fax: 850-2-3814410

E-mail: [ksttc@co.chesin.com](mailto:ksttc@co.chesin.com)



# Essential Oils

## **Red pine-needle oil**

This oil, a substitute for fir-needle oil, is widely used as a remedy for curing cough, diabetes and obesity as well as a medical spray for indoor use.

### Properties

Colour:	light brown or transparent
Specific gravity:	$d_{15}$ 0.8650-0.8740
Refractive index:	$nD$ 1.4745-1.4780
Optical rotation:	$\alpha D$ -23.47° to -24.22°
Acid value:	below 0.5

### Main ingredients

Benzal	2.92 %
$\alpha$ -Pinene	26.33 %
Camphene	29.98 %
$\beta$ -Pinene	5.99 %
Limonene	16.72 %
Pherandren	4.98 %
Linalool	1.42 %
Sabinene	1.03 %
Bornylacetate	7.81 %

## **Abies oil**

### Properties

Colour:	colourless or transparent
Specific gravity:	$d_{15}$ 0.8911
Refractive index:	$n^{20}D$ 1.4762
Optical rotation:	$\alpha D$ -54°54"
Acid value:	0.52-1.13

### Main ingredients

Santene	2.01 %
Camphene	19.82 %
Sabinene	1.42 %
Limonene	18.44 %
$\alpha$ -Pinene	13.34 %
$\beta$ -Pinene	4.84 %
Myrcene	1.19 %
Bornylacetate	28.86 %

## **Fir-needle oil**

### Properties

Colour:	colourless or transparent
Specific gravity:	$d_{15}$ 0.9034-0.9197
Refractive index:	$n^{20}D$ 1.4685-1.4720
Optical rotation:	$\alpha D$ -35.6° to -41.3°
Acid value:	0.52-1.13

### Main ingredients

$\alpha$ -Pinene	3.84 %
Camphene	2.91 %
$\beta$ -Pinene	5.43 %
Linalool	2.67 %
Limonene	14.84 %
$\beta$ -Caryophyllene	2.43 %
Borneol	2.83 %
Bornylacetate	35.49 %

## **Perfume "Chongsonghyang"**

"Chongsonghyang", an essential oil extracted from coniferous trees, has a marvelous efficacy as a spasmolytic and sedative, and is good for sterilizing polluted air and removing unpleasant smell because it helps to generate ozone in the air.

It is extensively used as a perfume for baths, rooms and cars.

It is packed in 500ml-bottles with a validity of six months to one year.

## **Perfume "Jinunghyang"**

"Jinunghyang" is a natural perfume prepared from the extracts of coniferous trees and labiate.

It enhances the power of cognition, memory and observation by stimulating the nervous system, so it is in wide use as a perfume for cars and rooms.

## **KOREA SAENAL TECHNOLOGY TRADING CORPORATION**

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# DPRK Academy of Koryo Medical Science

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Working

The interest of the people in Koryo medicine has increased enormously in recent years.

Peruvian TV "Canal de noticias" broadcasted about Koryo medicine twice on April 15 last year. According to it, Korea has directed much attention to the development of Koryo medicine with a long tradition along with modern medicine, with the result that many people enjoyed full cure of diseases that were difficult to be healed by modern medicine.

With a 40-year-long history, the Academy of Koryo Medical Science has made a great contribution to promotion of the people's health by achieving tremendous successes in researches helpful towards the development of traditional medical science and applying them to medical treatment.

Efforts are being made to carry on researches on basic medical science, clinical pathology and Koryo medicines in conformity with its mission and assignments.

The Academy consists of research institutes for basic medical science, Koryo medicines, classical encyclopedias, acupuncture, physical constitution, internal medicine and surgery, as well as the information centre and the Koryo Saengmyongsu (life-giving water) Technical Centre. It is staffed with competent medical scientists and experts who are doing research work together with medical treatment.

The Academy obtained 80 patents on inventions by solving scientific and technical problems arising in the development of Koryo medicine. They include "Pine bark ointment for burn", "Treatment of simple struma by

moxibustion with far infrared moxa stone", "Barley malt granule for pancreatopathy", "Computer low-frequency impulse treatment machine" and "True form of Kyongrak theory seen from the viewpoint of modern medical science" and particularly "Preparation of insam and gingko leaf tea" and other inventions.

Preventive work and medical treatment by Koryo medicine are conducted in different methods such as acupuncture, moxibustion, cupping, finger-pressure therapy, physiotherapy, massage, dermal treatment, pediatric treatment and health care with Saengmyongsu.

Koryo medicines developed by the Academy are so efficacious in treatment that demand for them increases with each passing day.

The Academy carries on exchange in the field of medical science with foreign countries, too.

As a WHO Collaborating Centre for Traditional Korean Medicine, the Academy is briskly pushing forward the exchange of science and dispatches a large number of medical doctors to other countries to treat many figures in political, social and business circles.

The Academy is bringing up reliable reserve scientists and experts.

Bright is the future of the DPRK Academy of Koryo Medical Science that is staffed with competent scientists and experts of Koryo medical science and equipped with up-to-date medical facilities.

Taedonggang District, Pyongyang, DPRK

Tel: 850-2-18111-3818067

Fax: 850-2-3814077

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# Products from KGMTC

## NC milling machine "MC25-500"

Specifications		
Working feeds:	longitudinal	500 mm
	cross	400 mm
	vertical	400 mm
	swivel	360°
	angle	105°
Taper in spindle		40
Spindle speeds		50-6,000 rpm
Main motor (AC servo motor)		5.5kW/1,500 rpm
Feeds		1,000 mm/min
Feed motor (AC servo motor)		5 Nm/2,500 rpm
Number of tool holes on turret		16
Dimensions (LxWxH)		2,650x1,725x2,330 mm
Weight		3,450 kg

## Bench drilling machine "D10-20"

Specifications		
Max. drilling diameter		20 mm
Distance from spindle end to table		485 mm
Working surface of table		350x380 mm
Max. stroke of spindle		100 mm
Taper in spindle		Morse No. 2
Spindle speeds: number		8
range		80-2,000 rpm
Main motor output		1.1 kW/4p

Dimensions (LxWxH) 500x350x1,000 mm

Weight 215 kg

## High-pressure hose

Specifications

Working pressure 92 MPa

Test pressure 68 MPa

## Hydraulic cylinder

Specifications

Working pressure 32 MPa

Piston stroke 970 mm

## Retaining cast iron valve

Specifications

Working pressure 4 MPa

Working temperature 425°C

Actuating medium water and steam

## Driving reduction gear

Specifications

Max. outlet moment 6,000 Nm

Braking moment 61,600 Nm

Gear ratio 100.4

Korea General Machinery Trading Corporation

Tongdaewon District, Pyongyang, DPRK

Tel: 850-2-18111-3818102

Fax: 850-2-3814495

# Drugs from PTPJVC

## Glyamine injection

The injection is a specific remedy for hepatitis prepared from refined ingredients of organic substances and traditional Korean medicines.

*Indications:* Acute and chronic hepatitis and hepatocirrhosis.

*Dosage:* 2-4 ml once a day by intramuscular injection.

Treatment period is 15-20 days in acute hepatitis and 40-60 days in chronic hepatitis.

*Packing:* 2 ml /10 and 50 ampoules.

## Koryo endermic liniment

It takes a splendid effect on external wounds, inflammation and burn. Its application of one or

two times a day is enough to stop the pain of neuralgia, acute arthritis and piles.

## Neo-viagra Y.R.

It has a remedial effect on depression of sexual function, nephritis, pain in the waist and shoulder, hepatitis, arthritis and cerebral arteriosclerosis.

**Pyongyang Taedong Pharmaceutical Joint Venture Company**

Taedonggang District, Pyongyang, DPRK

Tel: 850-2-18111-3818718

Fax: 850-2-3812100/3814416

## Korea Light Industry Trading Corporation

**Export:** Cloths, threads, embroideries, handicrafts, ceramics, plaited goods, toys, enamelware, wines and liquors, ready-made suits, fine arts, silk, Korean costumes, canvas shoes and leather shoes, boots and injection-moulded boots.

**Import:** Raw materials and equipment for light industrial goods.

The corporation makes every effort to carry on processing trade in the field of light industry, and expand and develop trade dealings with many countries of the world.

Add: Central District, Pyongyang, DPRK

Tel: 850-2-18111-3818139

Fax: 850-2-3817807/3814410

## Korea Rungrado General Trading Corporation

**Export:** Marine products, knitwear, clothes, metallic and nonmetallic minerals and shell buttons.

**Import:** Light industrial goods.

Add: Pothonggang District, Pyongyang, DPRK

Tel: 850-2-18111-3818022

Fax: 850-2-3814507

## Korea Hyangamchon Trading Corporation

**Export:** Marine products and agricultural produce.

**Import:** Electric and electronic goods and their parts, and fishing tackles.

Add: Moranbong District, Pyongyang, DPRK

Tel: 850-2-18111-3818538

Fax: 850-2-3814410

## Korea Koryo-Paper Technology Exchanging Corporation

**Export:** Koryo paper and Korean paper made from mulberry fiber.

**Import:** Paper manufacturing equipment and reagents.

Add: Central District, Pyongyang, DPRK

Fax: 850-2-3814416

## Korea Ceramic Trading Corporation

**Export:** Sepiolite, feldspar and ceramic craftworks.

**Import:** Gypsum, reagents, ferromanganese, electrolytic copper and paraffin.

Add: Moranbong District, Pyongyang, DPRK

Fax: 850-2-3814410

## Korea Namgang Trading Corporation

**Export:** Non-metallic minerals.

**Import:** Cloths, bean oil, sugar and building materials.

Add: Pothonggang District, Pyongyang, DPRK

Tel: 850-2-18111-3818411

Fax: 850-2-3814410

# Quality Plastic Window Frames



The Korea Sogyong No.1 Trading Corporation has a plastic window frame factory furnished with up-to-date equipment including V-type cutters, double-corner cutters, putty-removing cutters, milling cutters, joining machines and scrapers. The factory produces single and double window frames in different sizes.

Its window frames are well received from customers because of their precise accuracy and fine quality.

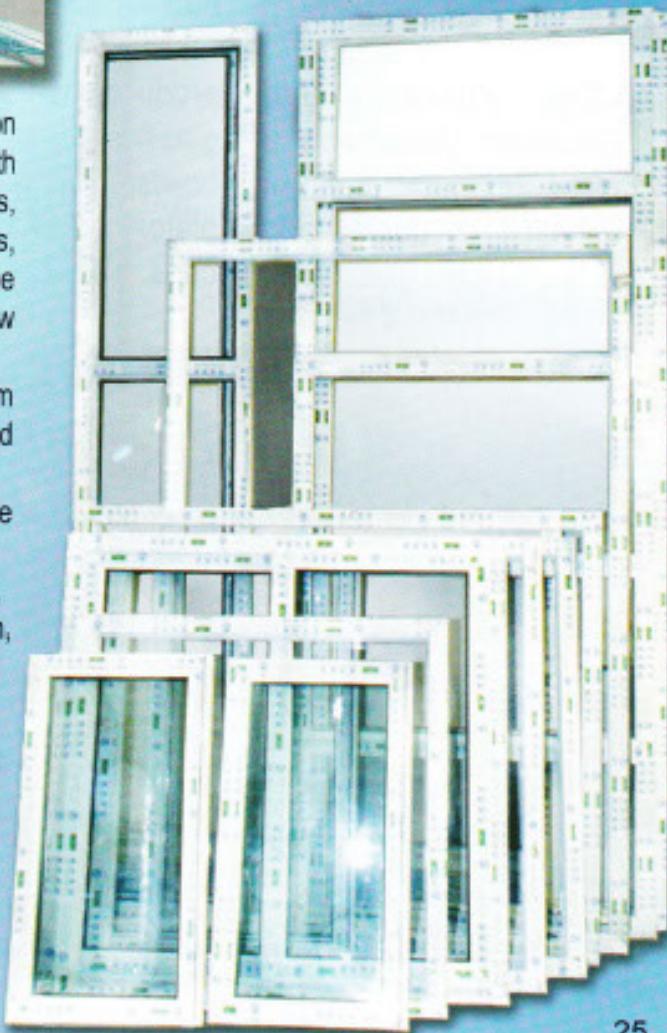
Introduced below are some of window frame sizes.

Double frame (WxH): 110x200cm, 120x155cm, 130x150cm, 140x200cm, 170x170cm, 56x56cm, 65x175cm, 115x175 cm

Single frame (WxH): 50x50cm, 55x50cm, 42x54cm, 48x80cm  
Any sizes are available to clients' order.

## Korea Sogyong No.1 Trading Corporation

Phyongchon District, Pyongyang, DPRK  
Fax: 850-2-3814725



# Huichon Hard Glassware Fac



The Huichon Hard Glassware Factory is a giant manufacturer of varieties of quality and colourful hard glassware.

The factory, covering an area of 12,000 m<sup>2</sup>, has several production buildings and subsidiary establishments. Its production processes ranging from feeding of raw materials to finishing are furnished with up-to-date equipment.

It is now in a position to produce ten kinds of glassware including rice bowls, soup bowls, plates, small bowls and cups.

Their sizes are as follows:

Rice bowls	120x70 mm
Soup bowls	180x75 mm
	160x65 mm
Plates	195x17 mm
	160x22 mm
	145x22 mm
	210x31 mm
Small bowls	125x55 mm
Cups	86x66 mm



# are Factory

are as

x70 mm

x75 mm

x65 mm

x17 mm

x22 mm

x22 mm

x31 mm

x55 mm

x66 mm

They come in varied colours.

Its hard glassware are exported through the Korea Ryongwang Trading Corporation.



**Korea Ryongwang Trading Corporation**

Pothonggang District, Pyongyang,  
DPRK

Tel: 850-2-18111-3818848

Fax: 850-2-3815274

E-mail: ryongwang@chesin.com

# Korea Shoes Trading Co

The Korea Shoes Trading Corporation engages in the export of varieties of shoes and import of raw materials and facilities for shoes production.

The corporation has under its control more than 30 shoemaking factories including the Pyongyang Vinyl Chloride Shoes Factory, a leading vinyl

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chloride shoes maker in our country, and the Pyongyang Leather Shoes Factory. These factories produce 20-odd kinds of shoes such as canvas shoes, vinyl shoes and artificial and genuine leather shoes.



# ng Corporation

Their products enjoy popularity among buyers in many countries of the world including Asia and Europe for their fashionable style and excellent quality.

Upon clients' order, the corporation exports a rich selection of shoes and shoetrees made by accurate moulding as well as vinyl wall-papers, cotton,



sponge goods and leather articles like bags, gloves, belts and purses.

The Korea Shoes Trading Corporation, in the future, will promote exchange of shoes-related information, science and technology with foreign companies and enlarge the scale of joint venture with them.



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## Korea Shoes Trading Corporation

Central District, Pyongyang, DPRK

Tel: 850-2-18111-3818353

Fax: 850-2-3814410



# Korea Taedong Tra

The Korea Taedong Trading Corporation is a professional exporter and importer of light industrial products.

The corporation, backed up by reliable export production bases, has conducted trade dealings in relations with many companies in China and Japan for ten years since its inauguration.

Its major exports cover clothes, knitwear, silk belts, gold-, silver- or copper-plated buttons, commemorative badges, ornaments, etc.

The updated clothing factory under the control of the corporation produces various garments with an annual production capacity of tens of thousands of pieces.

Its products for men, women and children are

made of choice materials in conformity with the modern fashion in the global market. Hand-knitted sweaters, jackets,



underwear also available made of wool, and patterned

Hand-knitted and fastened with embroidery including (skirt) and jacket), great in

Silk-beads exports, colours violet, red, blue are among la

The exports breads, foods. Its major gold and dyestuff, also for cl



# ng Trading Corp.

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underwear and scarves are also available. They are made of cotton, orlon and wool, and diverse in colour, pattern and size.

Hand-made embroideries and fashionable garments with embroidered patterns including Chima (Korean skirt) and Chagori(Korean jacket), and blouses are great in overseas demand.

Silk-belts, one of its major exports, dyed with beautiful colours of red, light pink, violet, maroon, gray and blue are winning popularity among ladies.

The corporation also exports various kinds of breads, soft drinks and foods.

Its major imports include gold and silver threads, dyestuff, fabrics and materials for clothes production.

**Korea Taedong Trading Corporation**

Central District, Pyongyang, DPRK

Tel: 850-2-18111-3818813

Fax: 850-2-3814416



# Pyongyang Hosts Autumn Trade Fair



The First Autumn International Trade Fair was held in Pyongyang, the capital of the DPRK, from October 24 to 27 last year.

The fair drew 94 trading firms and companies from

the DPRK, China, the Netherlands, Romania, Switzerland, Sweden, Italy, Thailand and Chinese Taipei.

On display were machines and equipment in the fields of metal, machine-building, chemical, light industries and agriculture, electric and electronic products, foodstuffs and a variety of daily necessities.

It marked an important occasion for deepening friendly and cooperative relations between countries



and regions of the world and for developing many-sided economic exchange and cooperation.

A regular international trade fair is to be held in spring and autumn in our country.

# A Rich Selection of Lubricants

The Korea Sungri Joint Venture Company runs a modern lubricant factory with an annual production capacity of several ten thousand tons, furnished with integrated flow processes from feeding, mixing, reaction and analysis to quality inspection and packing.

It is equipped with up-to-date instruments and facilities for measuring and analyzing the freezing point, viscosity, flashing point and heat stability.

A wide variety of lubricants made by mixing base oil and various additives exhibit great resistance to acid, corrosion, wear and foam-making, so that

they ensure a long service life and high efficiency of machines and equipment.

The corporation produces various kinds of lubricants for internal-combustion engine including gasoline engine oil, diesel engine, gasoline and diesel engine oil, brake fluid, transmission fluid and anti-freezing solution. Their viscosity grades are 5W30 and 10W30 in SAE standards and their application grades are SF, SG, SH, SJ, CD, CE, CH, SF/CD and SG/CE and SJ/CH in API standards.

In addition, it turns out varieties of lubricants for industrial



equipment such as commercial gear oil (ISO: CKC and CKD), hydraulic oil (ISO: HL, HM and HV), compressor oil (ISO: DAB and DAH), spindle oil and high-speed machine oil.

Transformer oil, cable oil and disconnector oil for electric facilities are also among its main export items.

They are packed in one- and four-liter plastic containers and 200-liter drums.

**Korea Sungri Joint Venture Company**  
Taesong District, Pyongyang,  
DPRK  
Tel: 850-2-18111-3818633  
Fax: 850-2-3814765



# Hyolgungbullojong



Hyolgungbullojong is a vegetable drug prepared from effective ingredients of fermented soya bean paste, one of health foods in our country, by the modern process with state-of-the-art technology. It was awarded gold prizes and gold medals on several occasions at the international commodity fairs.

**Indications:** Palsy in the limbs, hemiplegia, aphasia, vertigo, cerebral thrombosis, general fatigue, arteriosclerosis, heart diseases, fatty liver, hyoerkuoudemia, hypertension and hypotension.  
It produces remedial efficacy of several ten times as compared with that of musk.

**Dosage:** For prevention      1-2 tablets daily  
                In chronic stage      3 tablets in a dose, 3 times daily  
                In acute stage        5-9 tablets in a dose, 3-8 times daily

Korea Pugang Pharmaceutical Corporation  
Pothonggang District, Pyongyang, DPRK  
Tel: 850-2-18333-3818525    Fax: 850-2-3815274  
E-mail: pugang@silibank.com