

KWANG DONG



광동

In the world of resistance to change
Gathering the voices for innovation
Leads to a new era.

NEW-PLA Sheet & Box Frontier

KWANG DONG



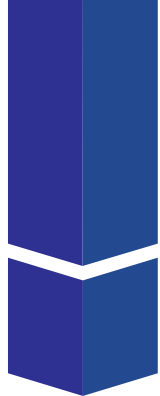
Whenever Our Customers Are Needed

With the slogan,
“Always for our customers’ needs!”

Kwang Dong Co., Ltd. has been committed to R&D and manufacturing with its employees to become a leader in plastic packaging since its establishment in 1998. Our company is concentrating its energy on developing the recyclable, affordable and eco-friendly returnable packaging products in order to remedy shortcomings of the existing industrial packing containers and paper products, and to actualize the environmental issues currently emerging all over the world and saving of logistics costs.

Kwang Dong with its open mind for customers will take the lead in increasing customers’ competitiveness through its ceaseless R&D for innovative products so that our customers can actualize trade stability and cost savings by cooperating with the companies home and abroad.

CEO Jang Ik-Soo



Contents

KWANGDONG Catalog

Overview

Company History	04
Certifications and Registration	05

Returnable Package

Introduction of Returnable Package	06
X-Box	08
X-Box Heavy cargo packaging	10
X-Box Octagon packaging	12
I-Box	14
X-Pallet	16
Steel Pallet Package	17

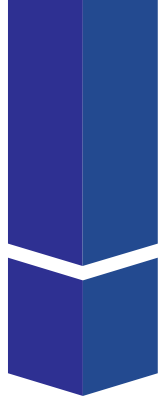
Danpla Package

Introduction of Danpla Package	18
Danpla Sheet & Box	20

Extrusion Products

Introduction of Profile-Extruded Products	22
KWANGDONG Gallery	23





Company History

Kwang Dong is making a new history through its tenacity and challenges.

1998

- Established Kwang Dong Inc.

2000

- Started its sheet production by Unit 1
- Registered as a supplier for LG Electronics

2002

- Registered as a supplier for Hyundai Motor Company
- Registered as a supplier for Samsung Motor Company
- Registered as a supplier for Samsung Electronics

2004

- Built Plant 2 additionally
- Registered as a supplier for GM Korea
- Established the facilities for profile extrusion production
- (Supplied to LG Electronics and GM Korea)

2006

- Changed the company name to Kwang Dong Co., Ltd. (appointed Jang Ik-soo as CEO)
- Built the sheet production line of Unit 4 additionally

2010

- Established the production facility for 10T Danpla sheets
- Registered as a supplier for Kia Motor Company
- Registered as a supplier for Hyundai Glovis

2015

- Moved and extended the main office to 534-4 Daman-ri, Jinrye-myeon, Gimhae
- Built the sheet production lines of Unit 7 and 8 (Annual production of 15,600 tons)
- Established the blow molding facilities
- Established and operated its R&D Center

2016

- Built the production line for 12T Danpla sheets first in Korea
- Designated as a Promising Export Firm

2017

- Received KOREA STAR AWARDS 2017 (11th New technologies on future packaging: Returnable Package)
- Selected as Gyeongnam Global IP Star Corporation



Certification

Kwang Dong obtained the certifications of Quality Management System seeking for the best quality, Environment Management System securing the optimal quality, and Technical Innovation System creating the future values.



Certificate of Inno-Biz by Ministry of SMEs and Startups



Certificate of R&D Center



Certificate of Promising Exporting Firm by SMBA



Certificate of Design Registration for shipping pallet



Certificate of Design Registration for packaging box



Certificate of a patent for returnable box



Returnable Sleeve Package

Total Logistics Solution

A returnable sleeve package developed based on the Kwang Dong's patented technology is a new concept innovative product in packaging logistics, which remedies shortcomings of the existing disposal packaging and makes maximum use of a space.



▼ When separated



Load up & Collection

- the returnable sleeve package can drastically reduce the logistics costs during the cargo delivery due to a higher return rate.
- When the sleeves are folded down, the package becomes 48mm in height, which secures a higher return rate in case of product separation.



32 sets when loaded



288 sets when Collected

Indications

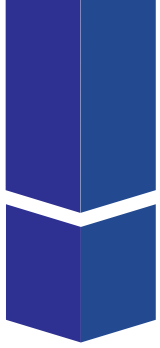
Assembly

Division

Product Feature

Kwang Dong's returnable sleeve packages have excellent return rate by size, reduce the logistics costs by continuous use through linking between the rental companies, and show the improvement effect of environmental beauty through variety and convenience of product packaging.





X-Box

Returnable Sleeve Package

X-BOX, a new and safe packing system to improve the companies' competitiveness, is the easy-to buy, easy-to-load product available for long-term storage semi-permanently.



Product Detail



Blow Molded Pallet

Solid and less damage due to blow molded pallet and cap



Side-Block

Securing waterproof and safety functions through side-block treatment in a round shape



Door

Easy to load and pack the products



Locking sleeve mechanism

Prevents the products from getting out (1,100 X 1,100)



Product Contents

(Large size standard by type)

NO.	Model Name	Dimension(mm)		Weight(Kg)				Stuffing Quantity	Returnable Quantity	Return Rate
		External Dimension	Internal Dimension	Pallet (HDPE)	Sleeve (PP)	Cap (HDPE)	Total Weight (based on Large)	(Based on 40PT HQ)		Compared to stuffing quantity
1	X-110	1,100 x 1,100 x 1,200	1,040 x 1,040 x 1,000	12.5	14.5	10.5	37.5	40	308	1:7
2	X-120	1,000 x 1,200 x 1,120	940 x 1,140 x 920	12	13.5	10	35.5	40	308	1:7
3	X-098	1,140 x 980 x 1,100	1,080 x 920 x 900	11	12.5	9	32.5	48	408	1:8
4	X-132	1,140 x 1,320 x 1,240	1,080 x 1,260 x 1,060	14	17	13	44	36	288	1:8
5	X-148	1,140 x 1,480 x 1,240	1,080 x 1,410 x 1,060	16.5	19	13.5	49	32	288	1:9



Application

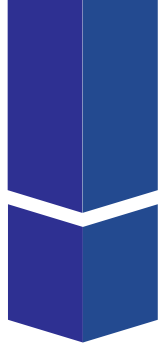


Options | Separate type Returnable Package



Sleeve separation type molding

Easy to load and pack the products



X-Box Heavy Cargo Package

Returnable Sleeve Package

Easy to load and store heavy cargo by establishing a load enforcement support



Product Detail



Load Enforcement Supports

Rigid and easy to assemble through no shaking combination increase the maximum load after installed at the 4 corners of the load enforcement supports



Supports



Application



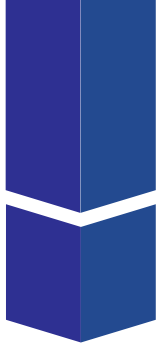
Certificate



maintain solidity even under the product load of about 5.9 ton (57.7kN)

Product Constitution





X-Box Octagon Package

Returnable Sleeve Package

A new concept Octagon Sleeve product replaces the dispensable packing materials and can manufacture in various sizes according to the customers' requirements. This product replaces the IBC/PAPER tank and can be applied to all the fields including agro-fishery products.

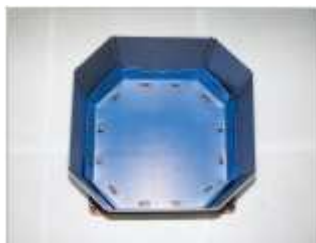


Product Detail



Octagon Sleeve

It is not damaged by moisture and can reduce the logistics and packing costs through the repeated reuse.



Octagonal Structure

Possible to spread the load



Side-Block

Securing waterproof and safety functions through side-block treatment in a round shape



Internals of Octagonal Pallet

Danpla materials increase the solidity and avoid warpage of the product



Product Contents

NO.	Model Name	External Size L x W x H (mm)	Internal Size L x W x H (mm)	Product Weight (kg)	Maximum Load (kg)
1	XO-11	1,100 x 1,100 x H	1,085 x 1,085 x H	14	3,000
2	XO-12	1,100 x 1,200 x H	1,085 x 1,185 x H	15	3,000
3	XO-14	1,120 x 1,420 x H	1,105 x 1,405 x H	16	3,000
Customized Production		Production by the size according to the customers' requirements			



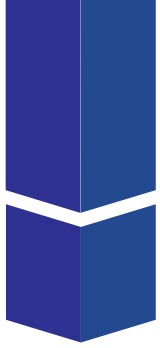
Application



Method of use



Height of a returned
box: 60mm



I-Box

Returnable Package

I-Box is a new concept product which increases a return rate and product safety through improving the effectiveness of space.

Type 1

The advantage of the fixed container short box (high loading weight) is saved and the recovery rate is increased.



Indications



Type 2

It is a container type container box that maximizes the recovery rate that can be stored in the form of a pad when not in use.



Indications

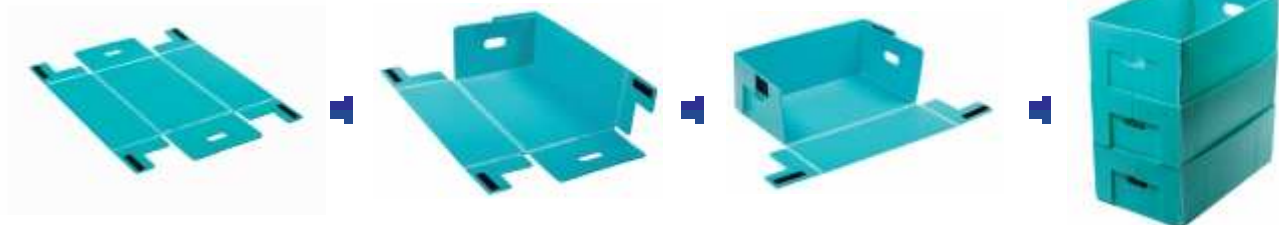


Type 3

It is designed to be able to multi-stage loading with general single type box when attaching with Velcro, and is easy to assemble and disassemble.



Indications

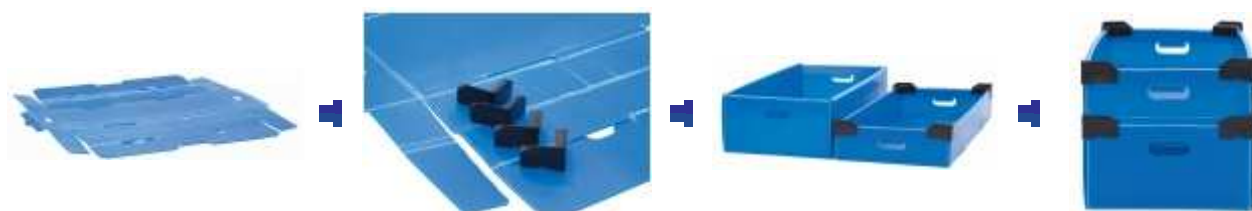


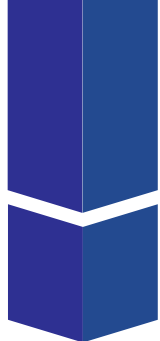
Type 4

It is easy to assemble and disassemble with container type single plastic box which can be completely disassembled.



Indications





X-Pallet

Returnable Pallet

X-Pallet secures better use of a space by maximizing the effectiveness of space with its underlying robustness



Pallet Loading Comparison (10EA)



▲ General Pallets 1,100 X 1,100 X 120 ▲ X-Pallet 1,100 X 1,100 X 150

**Increased space efficiency of 50%
higher than general pallets.**

Product Detail



The grooves designed for a pallet increase space efficiency while the pallet is loaded



4way structure with enhanced pallet utilization



It is manufactured by blower molding method, has strong durability against injection pallet and has less damage

Product Contents

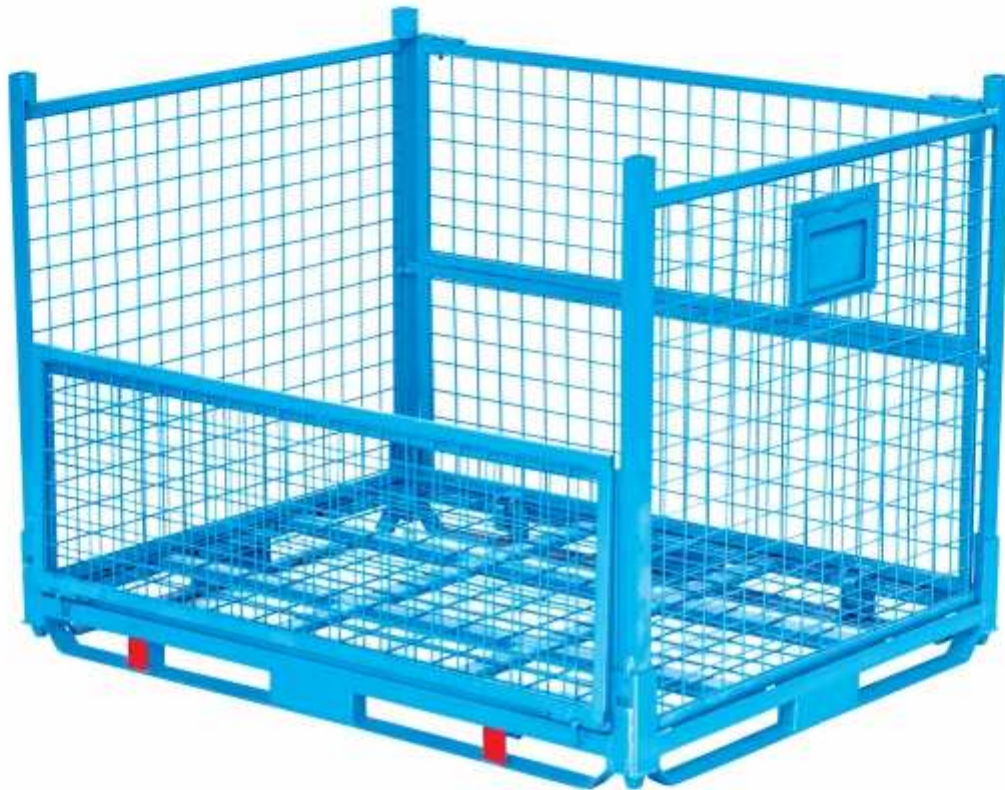
NO.	Model Name	Product Size
1	XP-1	1,100 x 1,100 x 150
2	XP-2	1,100 x 1,300 x 150
3	XP-3	1,200 x 1,000 x 155



Steel Pallet Package

Returnable Steel Pallet

Can transport various products safely and reduce the work process due to easy assembly.



Indications



Product Contents

NO.	Model Name	External Dimension	Loading Quantity(40ft)	Returnable Quantity	Product Weight(kg)
1	Big	2,280 x 1,470 x 1,120	16	136	45
2	Small	1,130 x 1,480 x 1,100	32	208	33



Danpla

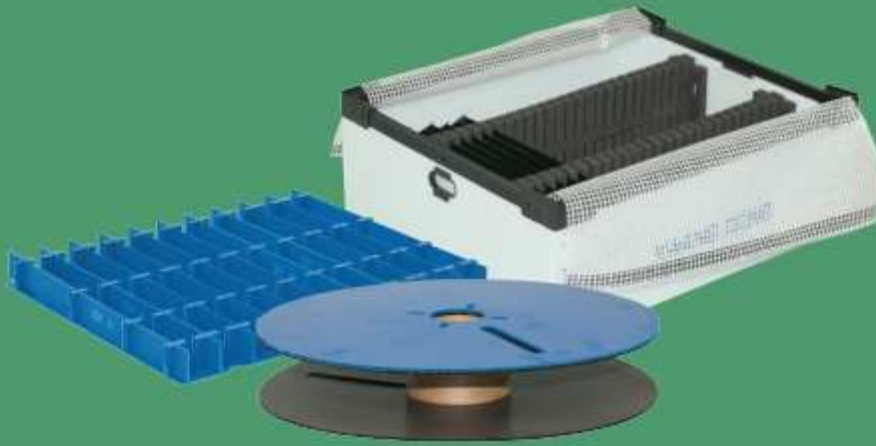
Total Logistics Solution

The eco-friendly plastic product (PP), a substitute for paper and plywood, is an advanced material which is recyclable and can reduce waste.



Product Introduction

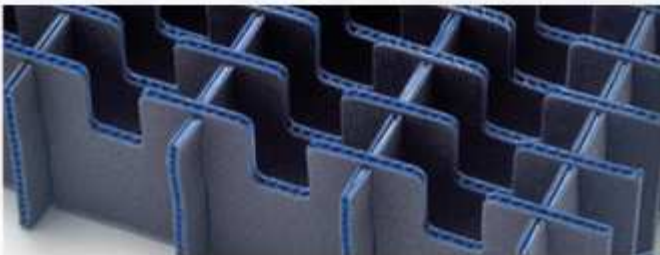
- It is a plastic carbon board through processing polypropylene (PP) resins by compression molding method.
- Compared to the paper product, it is stronger, lighter and has excellent water resistance, oil resistance and chemical resistance. It also has the effects of elasticity maintenance, insulation and sound absorption.
- Excellent printing characteristic enables the free choice of the colors to the consumer's taste.
- It can be used in many applications such as external packaging, returnable box, shipping container and internal packaging according to packaging beauty and Danpla sheet's thickness.
- The Danpla sheet is also widely used as the materials for heavy cargo packaging, construction, buffer, etc. due to its structure and features.
- As it is made up of the recyclable, eco-friendly material, it contributes to the reduction of waste and environmental pollution.



Product Feature

- Any Danpla sheet can be made to order regardless of its quantity.
- Its recovery and reuse is effective for cost-saving.
- It is possible to insert various Danpla colors and printing types.
- Strong resistance to moisture good for content protection and transportation.
- Light and its service life is long.
- Excellent product protection

Application





Danpla Sheet & Box

Total Logistics Solution

Kwang Dong's Danpla sheets and boxes can be made according to the customers' specifications.



Product Contents

NO.	Sheet Thickness(mm)	Maximum Effective Width	Weight(g/1mx1m)
1	2	2,300	250 ~ 400
2	3	2,300	450 ~ 900
3	4	2,300	650 ~ 1,000
4	5	2,300	950 ~ 1,400
5	6	2,300	1,200 ~ 1,700
6	7	2,300	1,450 ~ 1,600
7	8	2,300	1,600 ~ 2,000
8	9	2,300	1,800 ~ 2,200
9	10	2,300	2,000 ~ 2,400
10	11	2,800	2,800 ~ 3,000
11	12	2,800	3,000 이상



Product List



Danpla Sheet

Customized production according to required thickness and colors



Application to safety covering for building protection

Danpla sheets for building protection covering



Application to safety covering for building protection

Danpla sheets for building protection covering



Glass Sheet

Applied to glass bottle, pet bottle and can manufacturing as a side-block sheet treatment



Application to Bobbin as Pad

Danpla pad for bobbin finish



Auto Parts Packaging Box

Has a partition for product protection or a scratch proof barrier



Small Cargo Box

Has a sponge for protection inside



Folding Type (A type)

Common shape, packaging for moving



Box for Electrical Appliance

Has an antistatic feature



Partitions in Plastic Boxes

Inner partitions only for plastic boxes



Folding Type (Pizza box type)

Can be manufactured according to the size adjusted for product usage.



Fixed Type (CT type)

A box for carrying the parts can be made to order.



Storage Type Box

Easy to use for arranging and keeping the tools



Folding Type (AC type)

Multi-level loading and folding for storage



Utility Box

A prefabricated box for keeping home wear

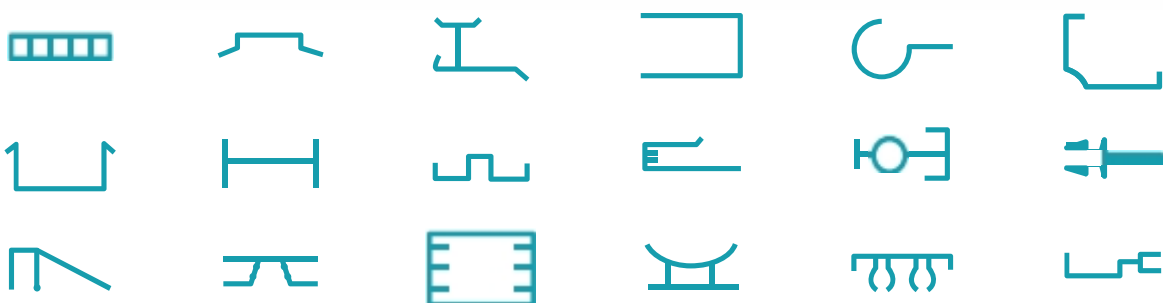
Profile Extrusion Products

Total Logistics Solution

Customized production according to the usage and design function. These products are widely used as interior/exterior molds of the automobiles, construction materials, interior materials and other functional prefabricated structures. The advantage is that even small tool investment enables customized production.



Section View



Application



KWANGDONG Gallery



KWANG DONG



KwangDong KOREA

Main Office

39, 364-gil, Gomo-ro, Jinrye-myeon,
Gimhae-si, Gyeongsangnam-do
T. 055.345.1112 F. 055.345.9255
H. www.kwang-dong.kr

Asan Plant

Sinchang-ro, Sinchang-myeon, Asan-si,
Chungcheongnam-do
T. 041.533.8811 F. 041.531.8139

KwangDong USA

Lagrange Plant

JACK KIM
1277 hogans ville road #420
Lagrange ga 30241, USA
T. 404.903.9219 E. joohun@yahoo.com

Dr Troy Office

MYUNG(MIKE)HWANG
5141 High mount, Dr Troy, Mi 48098 USA
T. 248.842.4141 E. kwangdongusa@gmail.com

KwangDong MEXICO

Kwang Dong Mexico sa de cv Valles de pesqueria
km41A Col. Pesqueria. NUEVO NEON MEXICO
T. 825.24.40.495

KwangDong JAPAN

K. U. CO., LTD. 5-1, MAEDA KIGYODANCHI,
YAHATAHIGASHI-KU, KITAKYUSHU,
FUKUOKA, 805-8536, JAPAN
T. 093.671.1000 H. www.kucoltd.jp