

DONGSUNG



Fully Electronic Glove
Knitting Machine

Glove Knitting Machine

Sock Knitting Machine

Screen Printing Machine

Roll Screen Printing Machine

Forming Machine

WORLD WIDE TECHNOLOGY & RELIABLE PARTNER

**That bring near to customers in appearance
that do best always organize**

- **Glove Knitting Machine**
- **Sock Knitting Machine**
- **Automatic Machine & Screen Printing Machine**

Greetings

We, Dongsung Co.,Ltd. has steadily grown with the support of our customers and overseas partners and would like to express our deepest appreciation.

The technical know-how and technology we have acquired over 30 years of hard working and effort has born fruit in the form of internationally held 50 patents that have earned our company fame and respect throughout the world.

We, Dongsung Co.,Ltd has steadily expanded with exceed 50% of export volume of total sales volume and still trying to our utmost effort to set up for complete systems.

These efforts are the process to make more bright future of Dongsung. We hope you will favour us with continued goodwill, advice and encouragement for a brighter future

Thank you.

History of Company



- 1987** Founded DongSung Precision
- 1988** Exported our first Rotary Screen Printing Machine to Japan
- 1989** Participated in the KOTRA Machinery Fair
- 1991** Moved the No.1 Plant for expansion to Hyangsan-ri, Kimpo
- 1993** Open the Seoul office and Customer Service Center
- 1996** Participated in the ShangHai Textile Fair
- 1996** Chosen as a "Promising Company" possessing advanced technology by the Small & Medium Business Administration
- 1997** Participated in the Beijing International Exhibition of Printing Equipment & Technology
- 1997** Designated as a company for military service exemption by the military Manpower Administration
- 1998** Participated in a technology innovation project hosted by the Small & Medium Business Administration
- 1999** Opened branch offices in India and Russia
- 1999** Developed a high Pressure Forming Machine
a task we undertook as a participant in the INNO-BIZ Project of the Small & Medium Business Administration
- 2000** Developed a Rotary Table - Type Forming Machine
- 2001** Chosen as an INNO-BIZ company
by the Small & Medium Business Administration
- 2002** Developed a Gloves Knitting Machine
- 2002** Moved the No.2 Plant for expansion to Hyangsan-ri, Kimpo

- 2002** Acquired ISO 9001 Certification
- 2004** Awarded for KOREA Textile Machine
- 2005** Certification CE
- 2007** Appointment Venture, developed a Sock Knitting Machine
- 2008** Moved to new factory for expansion to Geomuldae-ri, Kimpo city
- 2009** Chosen as a "Promising Company" by the Small & Medium Business Administration
- 2010** Participated in ITMA 2010 at Shanghai, China
- 2011** Participated in ITMA Exhibition at Barcelona, Spain
- 2011** Participated in A+A Exhibition at Dusseldorf, Germany
- 2011** Participated in KORTEx at Daegu, Korea
- 2012** Registered 8 patents for toe socks and other sectors
- 2014** The world's first Electronic Glove Knitting Machine (SUPER-FECT) development
- 2014** Participated in KORTEx at Daegu, Korea
- 2015** Registered patent for Glove Knitting Machine sector (Hold total 56 patents)
- 2015** Awarded for KITA 5 million dollar export tower
- 2015** Participated in A+A Exhibition at Dusseldorf, Germany
- 2016** Developed New Sock Knitting Machine DST-60SF
- 2016** Developed 21G Fully Electronic Glove Knitting Machine
- 2017** Participated in A+A Exhibition at Dusseldorf, Germany



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Fully Electronic Glove Knitting Machine

MODEL PATENT REGISTRATION

SUPER-FECT



Dongsung's first electronic type glove knitting machine is the world's first machine to have all functions electronically controlled.

The user is able to run the machine with a program prepared by himself and easily handle any option, by just simply changing values on the control panel.

Especially, if only programs are prepared in advance, user can produce different products and variety of products and quickly respond to buyer's needs. Size changing, Turn/Normal changing are a matter of one touch on the control panel, giving users ever more flexibility & saving time.

Return to the initial state within couple of minutes and the plants themselves, but also non experts can diagnose various problems with user friendliness as never before.

Overall, SUPER-FECT's new heights of efficiency will increase of utilization rate to significant levels, contributing to reduced costs. Using the USB flash memory, it is possible to set and copy programs, while user can work the same settings in short time on the other machines in his plant.

Less number of spare parts will reduce the operation cost sharply, helping user to generate more profits in a short time leading to faster ROI.

Fully Electronic Glove Knitting Machine

EQUIPMENT DESCRIPTION

Special glove - fishing glove, three finger glove, mitten glove, toe socks,
Sleeve glove - including variety of products are available
on the program without constraints of spare parts.

Easily create wide range of glove knitting schedule from the PC and can set
the same task on multiple machine using USB memory. Maintenance is sure to
increase the productivity as well.

NO mechanical parts to reduce the machine repair and maintenance parts and part
replacement cost less and deal with failure notification from the LCD screen also.

Beginners learn and easy operation than traditional mechanical type machine.
Mass projection is possible with using the LCD screen, and easy operation.

Completed in only a few seconds to set up machine. Change of machine
size is made on the program with only change of needle selection pin.

Stable up to speed and enhance the production capacity. Change the schedule
easily on the machine and shorten the time by the operator.



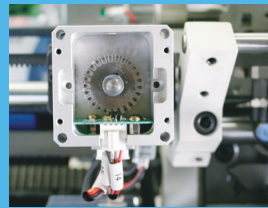
STANDARD SPECIFICATION

m/m

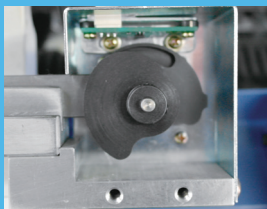
MODEL	DS-SF10 / DS-SF13 / DS-SF15 / DS-SF18 / DS-SF21
DIMENSION	L1390×W640×H1700
KNITTING SIZE	10G, 13G, 15G, 18G, 21G / SIZE : S, M, L, L2, L3
KNITTING SPEED	NUMBER OF CARRIAGE MOVEMENT PER MINUTE FINGER : 500 / PALM : 280~300 (ADJUSTABLE BY OPERATORS)
POWER	SINGLE PHASE AC220V 2A
MOTOR	SERVO MOTOR (600W) / CONTROL CARRIAGE TRANSFER SENSORLESS MOTOR / CONTROL NEEDLE SELECTION DRUM STEP MOTOR / STITCH HOLDER / LOOPER ETC
DRIVE SYSTEM	SERVO MOTOR SYSTEM
KNITTING SYSTEM	SINKER KNITTING SYSTEM
OPTION	2COLOR DEVICE, D3 DEVICE, U2/U3 DEVICE, SAFETY SENSOR, YARN INSERTING DEVICE
OIL SUPPLY	AUTOMATIC OIL SUPPLY SYSTEM FOR ONE TOUCH
AIR SYSTEM	AUTOMATIC EXHAUST SYSTEM OF OUTPUT COMPRESS AIR
CONTROLLER SPECIFICATION	LCD DISPLAY DEVICE (320×240) / ONE TOUCH OPERATION HIGH QUALITY ARM CORTEX 32 BIT MCU PROCESSOR USB AUXILIARY STORAGE DEVICE



The sensor instead of the falling switch counts the quantity of the product. It will be able to reduce the error of the bad falling.



Checking and correcting for movement location of stepping motor. the processing of working would be to Sophisticated and shortens the operation time.



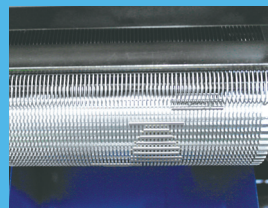
The wire replacement parts for mechanical glove knitting machines. The transmitting power to wire drum and guide rail.



First in the world step motor driven stitch holder & looper / cutter mechanism will give less adjustment times & allow freedom for new glove designs.

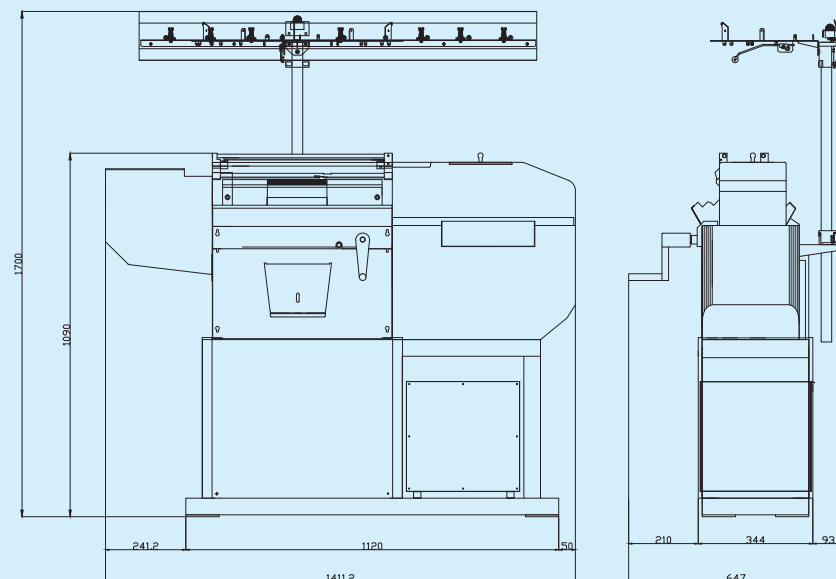


All new yarn insertion method fully developed exclusively for SUPERFECT by Dongsung will mean neat finger tips leading to high quality of end product.



Completed in only a few seconds to set up machine. Change of machine size is made on the program with only change of needle selection pin.

MACHINE PROFILE



Fully Automatic Seamless Glove Knitting Machine

MODEL PATENT REGISTRATION



EQUIPMENT DESCRIPTION

It is needless to say diversification of products to meet needs of customers requires high production of a limited assortment of goods.

In order to meet such requirements we have focused our efforts on manufacturing of machines that can help improve productivity. In our constant pursuit of innovation and effective engineering solutions, we have applied for more than 50 patents including utility model patents.

We provide complete solutions for small & medium sized companies to flexibly meet requirements of ever-changing markets. From cotton work gloves to colorful fashion gloves, multiple processes including knitting, printing, and coating are incorporated into a single system that is totally localized to challenge the world market.



SPECIFICATION

m/m

MODEL	DS-7010 / DS-7013 / DS-7015 / DS-7018
DIMENSION	L1200×W600×H1700
SIZE	10G, 13G, 15G, 18G / SIZE : S, M, L, L2, L3
KNITTING SPEED	FINGER : 240RPM / PALM : 220RPM
CONTROL PANEL	ELECTRONIC CONTROL PANEL / ONE TOUCH OPERATION
DRIVE SYSTEM	CRANK MOVE SYSTEM
KNITTING SYSTEM	SINKER SYSTEM
MOTOR	220V, 3-PHASE, 230W, 60Hz-50Hz
OPTION	2 COLOR DEVICE, D3 DEVICE, U2/U3 DEVICE
OIL SUPPLY	AUTOMATIC OIL SUPPLY SYSTEM FOR ONE TOUCH
AIR SYSTEM	AUTOMATIC EXHAUST SYSTEM OF OUTPUT COMPRESS AIR
WEIGHT	250KG (NET WEIGHT)



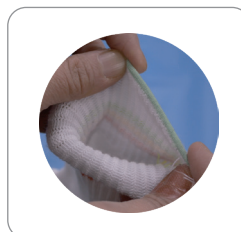
Fully Automatic 8F Sock Knitting Machine

DS-60SF

MODEL PATENT REGISTRATION



TERRY & PLAIN DUAL
KNITTING(3.75")



DOUBLE CYLINDER EFFECT



DIFFERENT COLOR KNITTING
FOR TOE TIP AND HEEL



3D SOCK KNITTING



FAKE SOCK KNITTING

SPECIAL FEATURES

- Terry & Plain dual knitting(3.75")
- Multi-Language support (Korean, English, Chinese and other Languages)
- Double cylinder effect
- Making different side of linking line, up or down.
- More than 100 patterns
- More than 100 chains
- 10design sequential production or cross production
- Simple change from Terry to Plain(only main feeder and plate change)
- Color LCD
- Built-in Power stabilizer(1~2 seconds)
- 210V~410V support (Flexible)
- Free license for design program
- Other program can be used
- Fake socks knitting
- 3D-Knitting
- Switching power
- Rubber tights knitting(Automatic width control)
- New actuator system for high speed knitting
- Double down picker system for knitting conditions.
- Total 15 patterns yarn fingers
- Automatic stitch control system by accurate stepping motor
- Repeating functions of Knitting on double welt & heel
- Actuator is with 16 steps lift type
- 5% production speed up
- 5% less components (less parts)

SPECIFICATION

MODEL		Plain	Terry
DIA. Of Cylinder		3.5"	3.75"
Range of Needle count		84~240	84~200
Speed		320~400RPM	220~280RPM
Drive Control	Servo Motor	1.0KW	
	Blower	0.75KW / 0.95KW	
	Control Box	0.7KW	
Drive Control		A.C Servo Driver	
Floor Space		120×140(Cm)	
Weight		Net weight : 430Kg / Gross weight :460Kg	
Packing Dimension		100×95×170(Cm)	

Fully Electronic 6F Sock Knitting Machine

DST-607 Series

MODEL PATENT REGISTRATION



- Single cylinder with 6f.
(1 main feeder + 5 pattern feeders)
- Possibility of 16 colors including one ground color.
- Possibility of 2 pattern connection.
- Three-dimensional knitting function.
- Ring cutter moving stop function when ratchet ring and dial sinker bed are opened.
- Possibility to knit rubber in full course.
- Higher productivity with 2 down pickers system.



SPECIFICATION

m/m

NEW MODEL		Unit	DST-607 P Dress Socks	DST-607 TM Dress & Terry	DST-607 T Terry Socks
Cylinder Diameters		Inch	3+1/2"	3+3/4"	4"
Needle Counts		N	84~240	84~200	84~200
Running Speed		RPM	350~400	250~300	250~300
Drive Control		-	Servo Driver	Servo Driver	Servo Driver
Power Required	Fan Motor	kW	1.125	1.125	1.125
Floor Space(W×L×H)		cm	150×120×240	150×120×240	150×120×240
Weight	Net	kg	330	330	330
	Gross	kg	400	400	400
Packing Size(W×L×H)		cm	115×105×180	115×105×180	115×105×180

Rotary Screen Printing Machine (1 Color)

DS-100S

MODEL PATENT REGISTRATION

EQUIPMENT DESCRIPTION

1. A printing machine that integrates printing and drying of various two-color designs in a compact package. It improves both printing speed and area. The DS-200S is a duplex, two-color printing machine available in several models.
2. Various undersized printings of ordinary gloves, work gloves, non-slip dotting and small sized prints are all possible as a range of different printings for sales promotion materials.
3. Improves drying performance to maximize productivity per unit time, and reduces vibration and noise to contribute to a comfortable working environment.
4. Adopts advanced technology to print a wide range of sizes through a Setting Program enabling easy operation and design change. The performance of this machine is recognized in more than all the world.



Ink pump (option)

SPECIFICATION

m/m

COLOR	1 COLOR	2 COLOR	4~6 COLOR
Area	260×330	260×330	260×330
Speed	900Pair/h	800~900Pair/h	800~900Pair/h
Jig	20~24set	28~36set	36~70set
Power(Kw)	6Kg/cm2	6Kg/cm2	-
Dimension	3000×3000×1400	8000×3000×1500	9000×3000×1500

Multi Color Screen Rotary Printing Machine

DS-200S

MODEL PATENT REGISTRATION

FINGERTIP & THUMB PRINT DEVICE DS-200S (OPTION)



Auto Glove Setting Machine

DS-110S

UTILITY MODEL PATENT REGISTRATION



EQUIPMENT DESCRIPTION

1. The Setting Machine, which can be standardized by the Jig, increases the uniformity and elasticity of products by using both the atomized steam and the heat shrink.
2. The compact-designed Setting Machine is easy to install and high in productivity.
3. Since it is designed for a small quantity batch production, it possibly has a wide range of application.
4. The automated water supply and temperature control and the added auto discharger allow for an easy and convenient operation.
5. It is future-oriented product that cares the environment and safety. by minimizing the noise and vibration with safety devices.

SPECIFICATION

m/m

SETTING (Size, Jig)	230×330m/m, 20/24set
SETTING SPEED	600~1000 Pair/hr
POWER	220V×3Ø×60Hz, 9Kw
WATER	Piped Water
HEATER	8.5Kw
DIMENSION	3760(L)×900(W)×1850(H)

Roll Screen Printing Machine

DP-60S

UTILITY MODEL PATENT REGISTRATION



EQUIPMENT DESCRIPTION

1. This machine is designed for fast and accurate printing of special decals, quality labels, and stickers by introducing an automatic system that integrates processes including color printing, drying, slotting and cutting with a highly advanced control and I-MAK.
2. Operation is simple enough that an operator can be proficient after a simple training session.
3. It's compact design is ideal for limited space.
4. Enables sophisticated printing and high productivity.
5. Minimizes inconvenience that may occur during operation.
6. No vibration.

SPECIFICATION

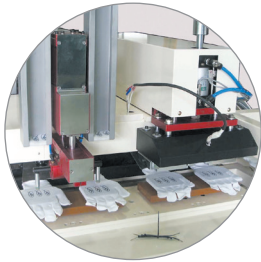
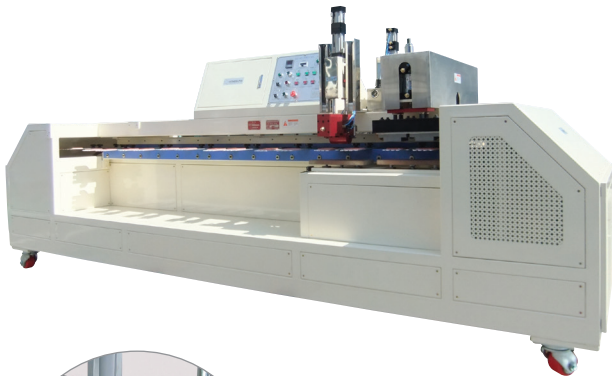
m/m

PRINT HEAD	1~6/Set	POWER	380V/60Hz-50Hz
PRINT AREA	350×450mm	WEIGHT	1800kg~3000kg
PRINT SPEED	900~1200/H	MACHINE DIMENSION	500~8500(L)×1000(W)×1400(H)
DRY	3.5Kw/Set		

Automatic Heat Transfer Press M/C

DS-200H

UTILITY MODEL PATENT REGISTRATION



EQUIPMENT DESCRIPTION

1. Improvement of productivity and superiority of quality.
2. Save of labor cost and screen pattern.
3. Save of cost.
4. Express of clear color.
5. No effect to environment problem.

SPECIFICATION

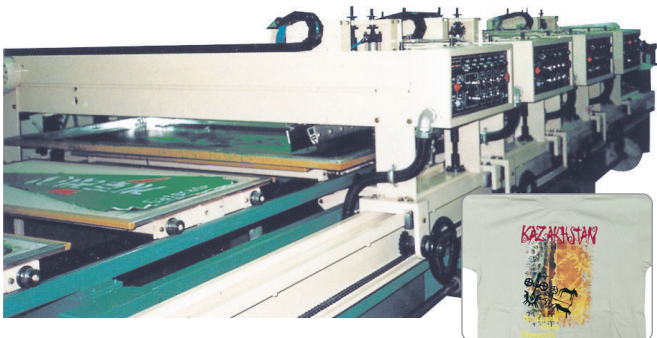
m/m

CAPACITY	1day/8hr 3,000~4,500
MANPOWER	1~2 person
NUMBER OF PRINT COLOR	Unlimited
EFFECT OF PRINT	Express detail part & clearness of color
PROBLEM OF ENVIRONMENT	Non-toxic
WAY OF PRINT	Heat transfer type
ADVANTAGE	Used for both gloves and socks

Multi Color Screen Printing Machine For Advertisement

DS-FAV08

UTILITY MODEL PATENT REGISTRATION



SPECIFICATION

m/m

AREA	900×1300mm
SPEED	500~600Sheet/H
HEAD	4~8Set
TABLE	30~36Set
DRYING PLATFORM	4~8Set
WEIGHT	5000Kg
POWER	220~380V/50Hz-60Hz (Pressure Air 11K)
DIMENSION	17500(L)×2500(W)×1700(H)

Multi Color Screen Printing Machine

DS-FAH

UTILITY MODEL PATENT REGISTRATION

EQUIPMENT DESCRIPTION

The latest fully automatic machine is the rotary-type duplex printing machine that integrates all processes from printing to drying in an automated system. This machine provides multi-functional and highly efficient printing for T-shirts, towels and sales promotion materials.

SPECIFICATION

m/m

AREA	500×600mm	DRYING PLATFORM	Depends on color
SPEED	400~800Sheet/H	WEIGHT	4500Kg
HEAD	6~16Set	POWER	220~380V/50Hz-60Hz (Pressure Air 11K)
TABLE	30~48Set	DIMENSION	Depends on color



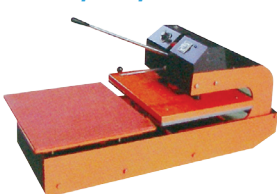
Heat Press Machine

SEMI-AUTO



DS-330, 470, 550

DS-360



SPECIFICATION

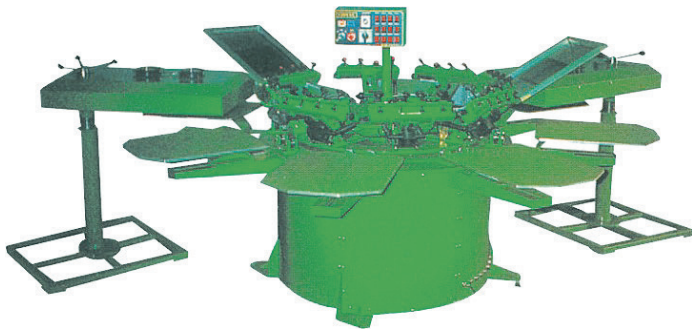
m/m

MODEL	DS-360	DS-330	DS-470	DS-550
Size	400×360	380×330	470×400	500×550
Temp.	250	250	250	250
Power	2Kw	2Kw	2Kw	3Kw
Weight	40Kg	70Kg	80Kg	110Kg
Dimension(mm)	680×380×300	1020×474×510	1200×580×650	1290×560×650



**Semi-Auto 8Color Multi
Color Screen Printing
Machine**

**DS-8S,
10S, 12S**



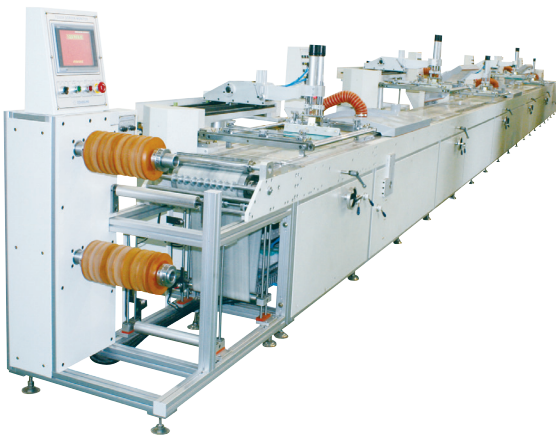
**Hot tamping
Machine**

**DS-20TW/DS-25TW
DS-30S/DS-60S**



**Roll Screen Printing
Machine(For Band)**

DS-70S



**Squeegee
Sharpener**

DP-1000Q / DP-1500Q



Semi-Auto Screen Printing Machine

DP-1536S / DP-6080S



Pneumatic Rotary Forming Machine

EQUIPMENT DESCRIPTION

The High Pressure Forming Machine adopts the latest plastic forming technology that shapes plastic with high pressure fluid (mainly compressed air) after preheating the plastic in film form to a temperature below the softening point (Solid Phase Pressure Forming) as opposed to the prevalent Heat Press Forming technique that preheats the plastic to a temperature above the softening point.

In the latest forming method, there is no distortion of the panted image while forming the preprinted material.

As this method does not use the top mold directly in contact with the top surface of the material, there is no physical damage on the printed layer or the material.

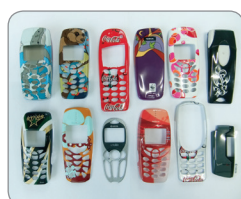
The equipment is the best choice for ultra-precision molding, which shall be formed in a three-dimensional shape after printing in a plane state, to enhance the added value of the finished product.

SPECIFICATION

m/m

FORMING AREA	250×360mm(Option/Order specification)
FORMING RANGE	30mm
FORMING SPEED	Flexible depending upon the products
POWER	380Vx4Px60Hz
POWER CONSUMPTION	30Kw
WORKING PRESSURE	Max. 6bar ~ 300bar

**MORE THAN 3 PATENTS, MORE THAN 1
INTERNATIONAL PATENT, UTILITY MODEL MORE
THAN 2 PATENTS**



Delivery of machines manufactured by Dongsung





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