



INJECTION MOLDING MACHINE

COMPANY PROFILE

Through daring challenges for our customers

We will write a new history

I would like to express my deepest gratitude to all of our partners and dealers who have stayed by our side through thick and thin to help LS Mtron reach the point it has today.

Furthermore, as we celebrate the 10th anniversary of our launch, I would like to take this opportunity to send my sincere regards to all of our customers for their continued support and encouragement.

LS Mtron, Be the ONE*

Thank you.

CEO of LS Mtron, Yeon-soo Kim



In the fields of industrial machinery and high-tech components

LS Mtron is taking a giant leap forward to rise as a 'true global leader'

Having firmly established our presence as a true partner for our customers all over the world, LS Mtron continues its relentless pursuit of change and innovation under its Be the ONE* vision by means of securing the best talents, making No. 1 products, and seeking out winning partnerships.

We remain fully committed to creating a new world through sustained development in technology. Backed by our resolute spirit and undying passion, we pledge that we will ceaselessly strive for consistent innovation, and exert every effort, to be a company that creates maximum value and is deeply cherished by our customers.

Thank you for your support.

Director of LS Mtron, Park Chanseong



History



1962

Established Korea Cable Co., Ltd.



1966

Merged with Goldstar Co., Ltd.



1969

Established Goldstar Cable Co., Ltd.



1995

Changed company name to LG Cable & System

2005

Launched LS Cable & System and established its corporate identity

2008

Launched LS Mtron and established a new corporate identity

1969



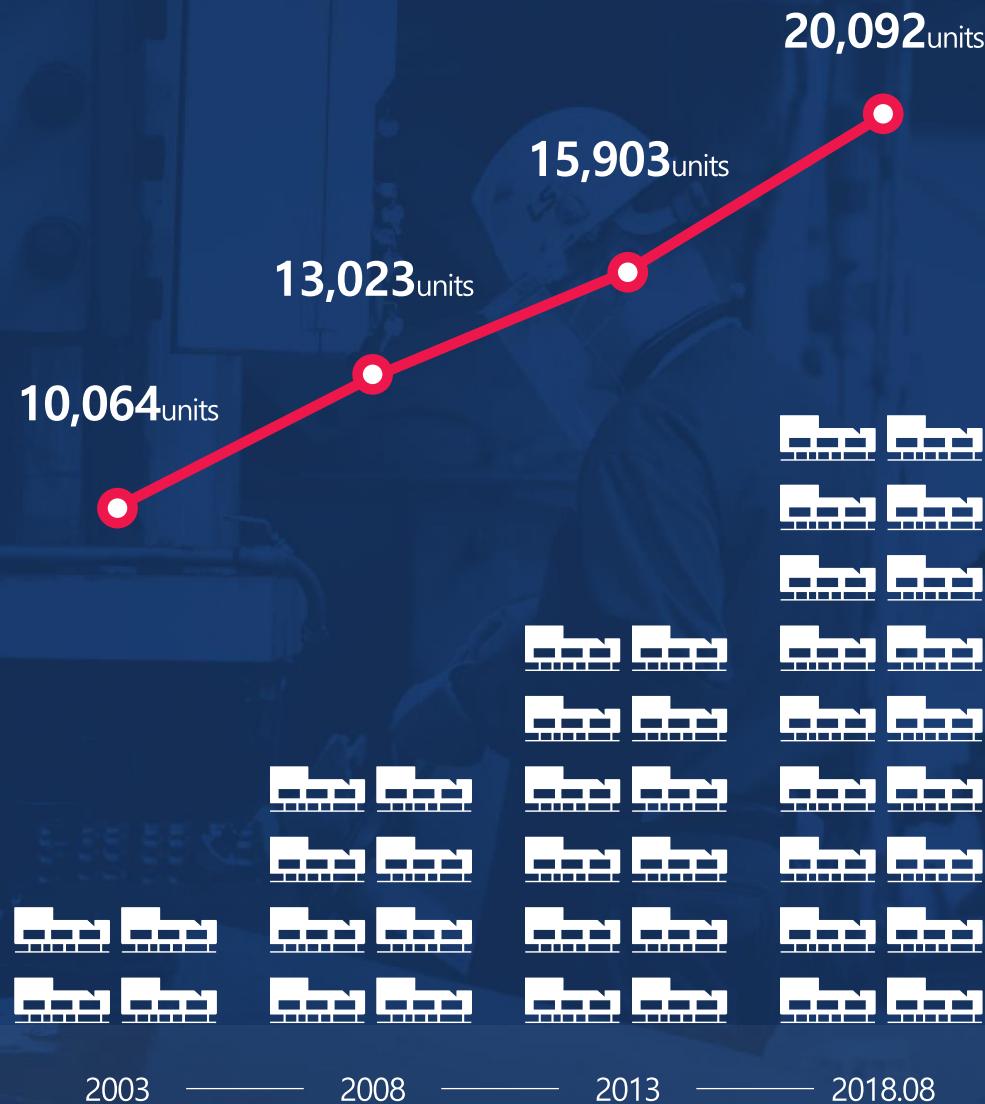


Current Management

Date of Establishment	July 2008
No. of Employees	2,280
Revenue	929.7 billion KRW
Investors	9
Main Businesses	Injection Molding Machines Tractors Track Shoes Ultracapacitors Electronic Components

As of 2018, excluding overseas subsidiaries

Total Injection Molding Machines Produced



Injection Molding Machine Exports

Europe
15 countries

Africa
4 countries

Asia & Oceania
21 countries

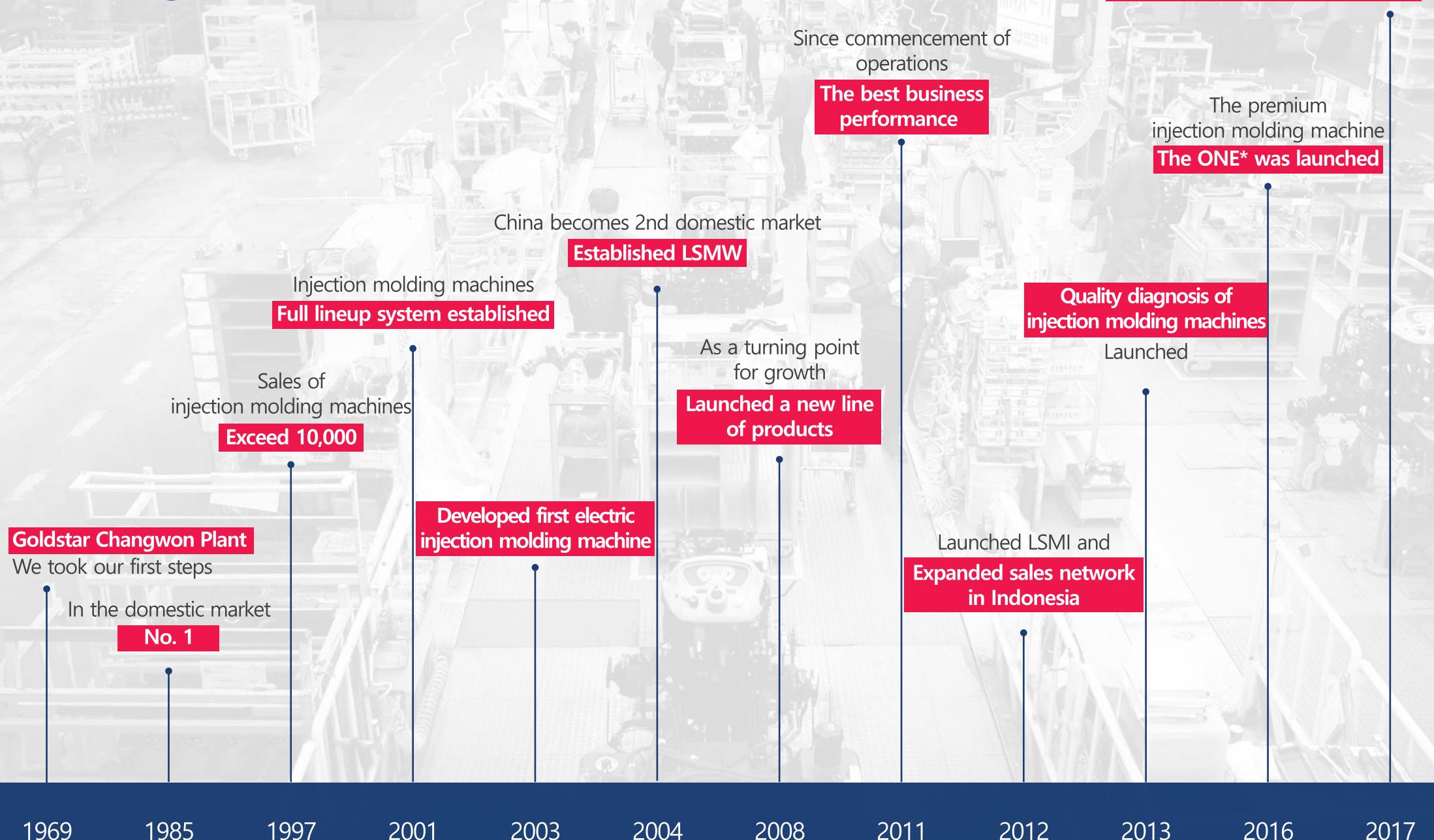
N. America
3 countries

S. America
4 countries



Exports to **47** different countries

Injection Molding Machines, Heading Toward the Smart Era



Hydraulic, Standard Models



1985
Developed own model
ID-EN Series
(25~1,000 tons)



1995
Super-sized
HM-Series
(1,300~3,000 tons)



1999
Mid-sized
M-Series
(450~1,050 tons)



2001
Small-sized
D-Series
(80~350 tons)



2004
Super-sized
4,000 tons
(First in Korea)



2008
Super-sized
S-Series
(1,300~3,000 tons)



2014
WIZ energy-saving
injection molding
machine
(500~1,100 tons)



2015
WIZ-X energy-saving
injection molding
machine
(1,300~4,000 tons)



2017
the ONE*
premium injection
molding machine
(500~3,300 tons)

Hydraulic, Special Customized



2000
Light guide panel
molder
(350, 450 tons)



2008
Two color /
dissimilar material
electric machine
(2,000 tons)



2009
Hydraulic high-speed
injection molding machine
(1,300mm/s)



2015
Two color /
Customized dissimilar
material machine
(2~1200C)



2016
Special machine
for pallets
(2,000~4,000 tons)

Electric, Standard Models



2000
LGE-I Series
(50~150 tons)



2003
LGE-II Series
(30~300 tons)



2009
LGE-II Series
(450, 550 tons)



2011
LGE-HB Series
(1,300, 2,000 tons)



2012
LGE-III Series
(80~380 tons)



2015
LGE-III Series
(650, 850 tons)



2016
WIZ-E Series
(18~850 tons)

Electric, Special Customized



2007
High-speed
injection molding machine
(110, 150 tons)



2010
Two color / dissimilar
material electric
machine (150, 250 tons)



2012
Special
machine for cell phones molding
machine for IBM
(150~380 tons)



2014
2014 injection
molding machine for IBM
(150 tons)



2015
Multi-layer machine
(220 tons)



2015
Special machine
for LSR
(170, 220 tons)



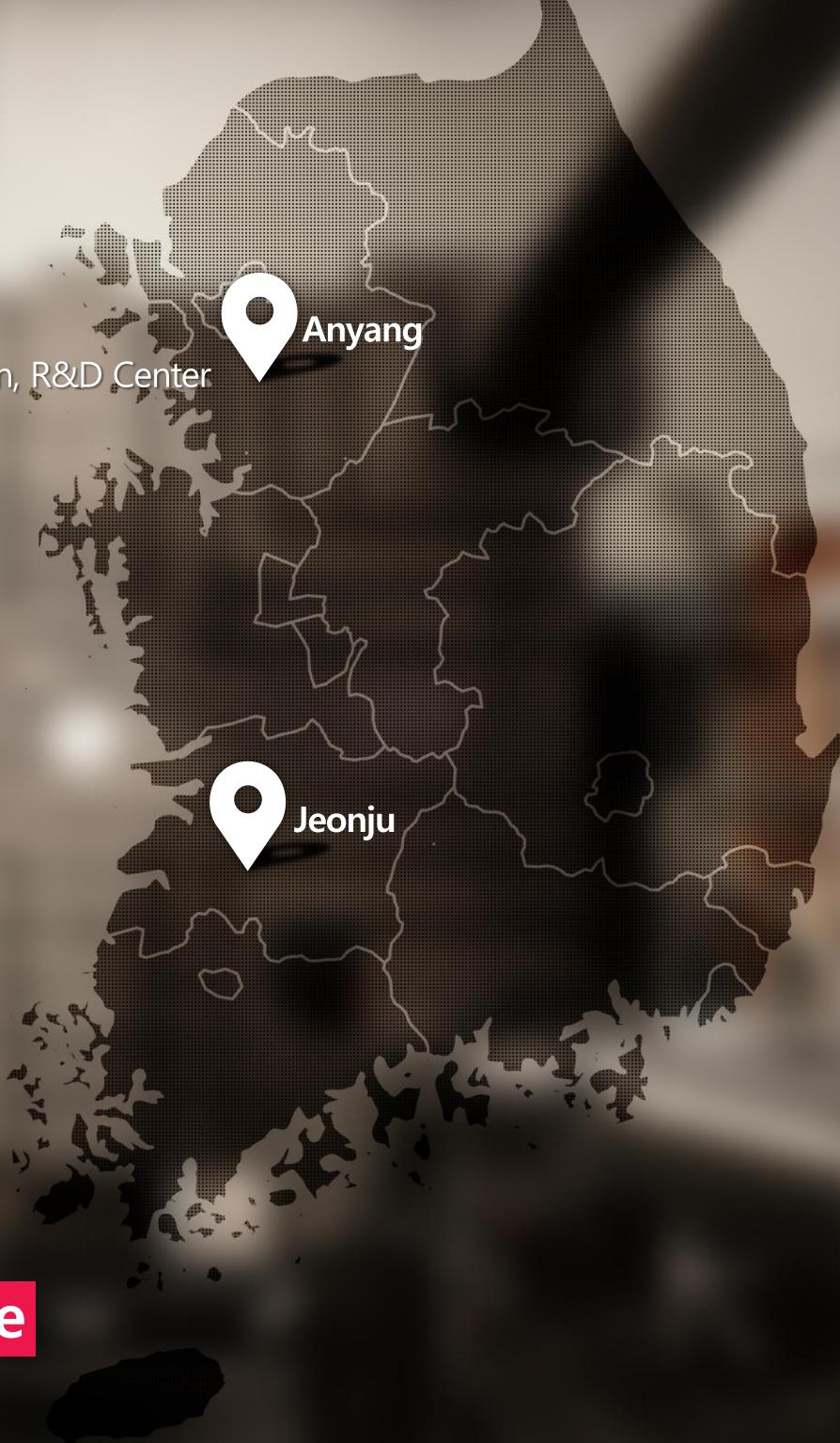
2016
Special machine
for cosmetics
(170~350 tons)

Injection Molding Machine Division Domestic Establishments

Project Support, Sales HQ / Electronic Components / UC Production, R&D Center
Headquarters, Hi-tech Center (Sales HQ)



Injection Molding Machine / Tractor / Track Shoe Production
Jeonju Establishment (Plant)



For LS Mtron **Building a growth engine**

Injection Molding Machine Division Domestic Sales



Seoul, Gyeonggi Sales Office

Incheon Sales Office

Seoul, Gyeonggi-do, Gangwon-do

Incheon, Bucheon

Chungcheong-do Sales Office

Daegu/Gyeongbuk Sales Office

Daejeon, Chungcheongbuk-do,
Chungcheongnam-do

Daegu, Gyeongsangbuk-do

Jeolla-do Sales Office

Busan/Gyeongnam Sales Office

Hwangju, Jeollanam-do, Jeollabuk-do

Busan, Ulsan, Hyeongsangnam-do

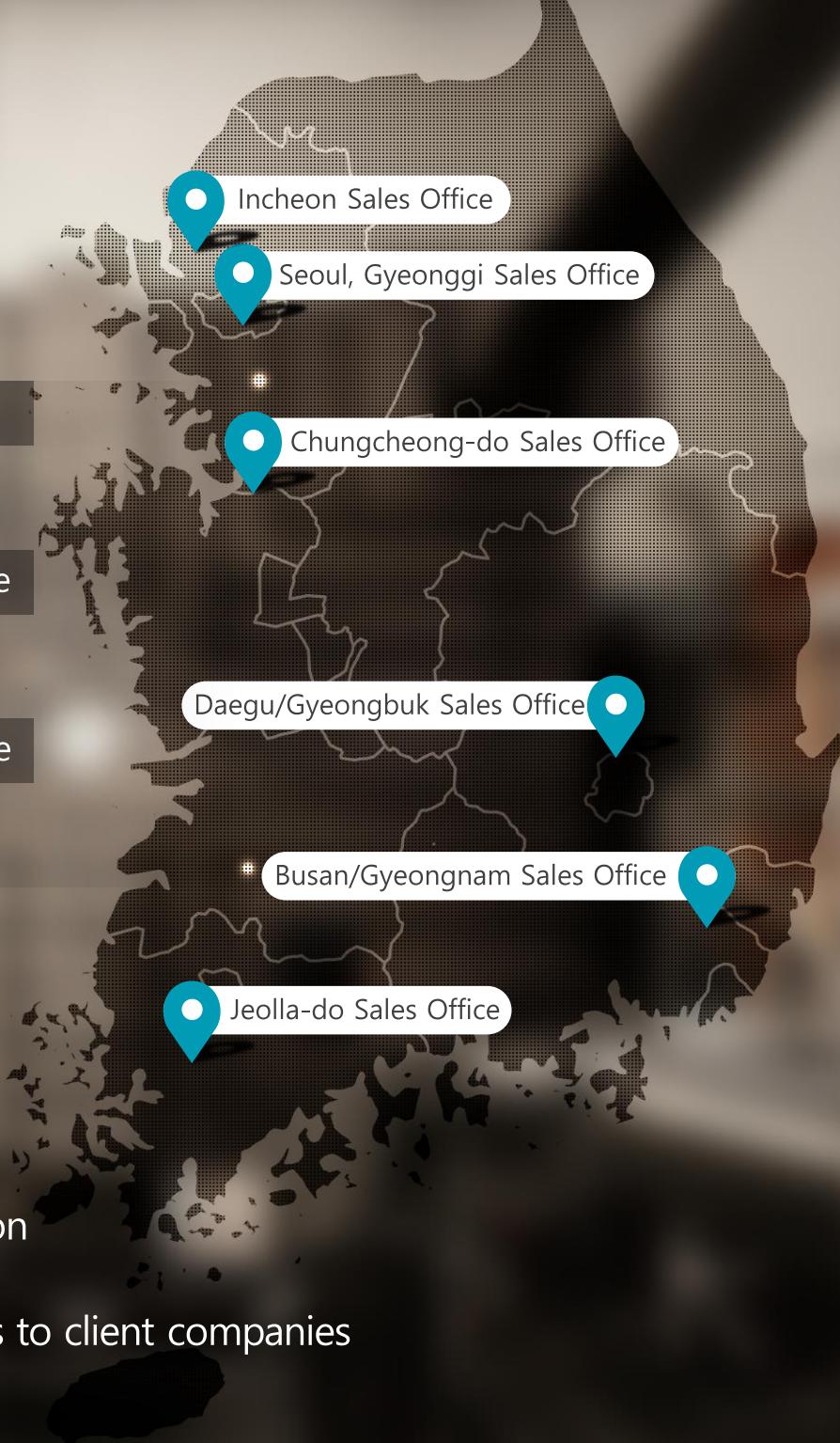
What Do we do?



Orders are processed following customer consultation



Customer management centered on continued visits to client companies



Injection Molding Machine Division Overseas Sales



" Establishing overseas bases for global growth and network expansion

What Do we do?



After conducting overseas market research of each target country, market information and customer needs are transferred to our R&D Division



Processing of overseas customer orders
Support for sales activities of corporations and branches



To enable agents/distributors for each country to identify and respond to unique customer needs, support is provided (incl. training and information)

R&D Division

R&D Center

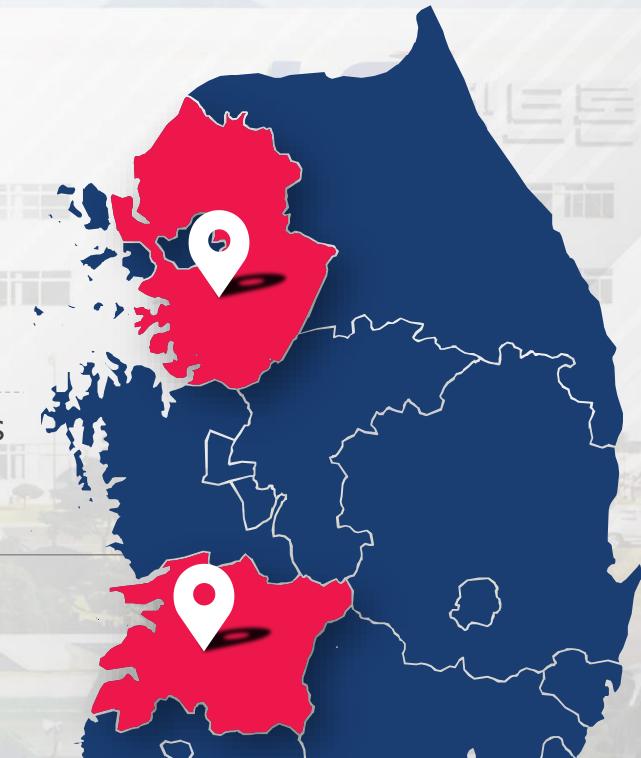
Based on metal- and machinery-related technologies,
new products are researched and developed

System development and collaboration with various peripheral equipment companies
for **Smart Factories**

Injection Molding Machine Institute

Customizing injection molding machines
to meet customer requirements

On-site machinery inspection and
continued management to deliver quality machines to customers



Be the one in “Digital Transformation” R&D

Quality Assurance

To meet quality requirements

Overall product testing and inspections are conducted

To prevent quality issues in advance and improve product quality

Continued improvements are made

For products shipped or sold to markets

Customer complaints are identified and measures are enforced

Service

Customer dissatisfaction with products or processes

Are promptly/accurately dealt with

Customer satisfaction is achieved

Ensuring repeat orders





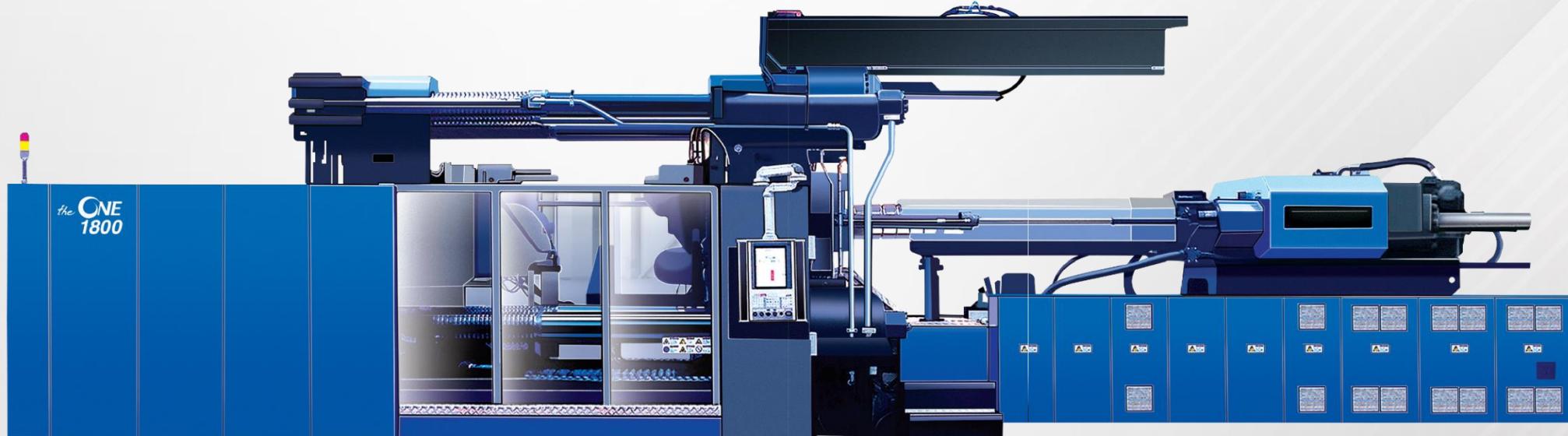
LS Mtron Injection Molding Machines

Full Line-up

the ONE* Series _ Premium, Mid- to Large-sized

Tackling new trends through designs based on our accumulated molding technique and safety standard knowledge

We make full use of our R&D department for our premium injection molding machines



Features

- Simultaneous operation of half nuts reduces cycle time
- Heavy-weight molds can be used
- High-precision digital position sensor applied
- Quick barrel-change system
- Improvements made on oil leakage by removing welded pipe
- KEBA controller applied

WIZ-E Series _ Electric, Standard

Korea's first electric injection molding machine

**Based on our extensive experience in molding
we developed a high-performance electric injection molding machine**

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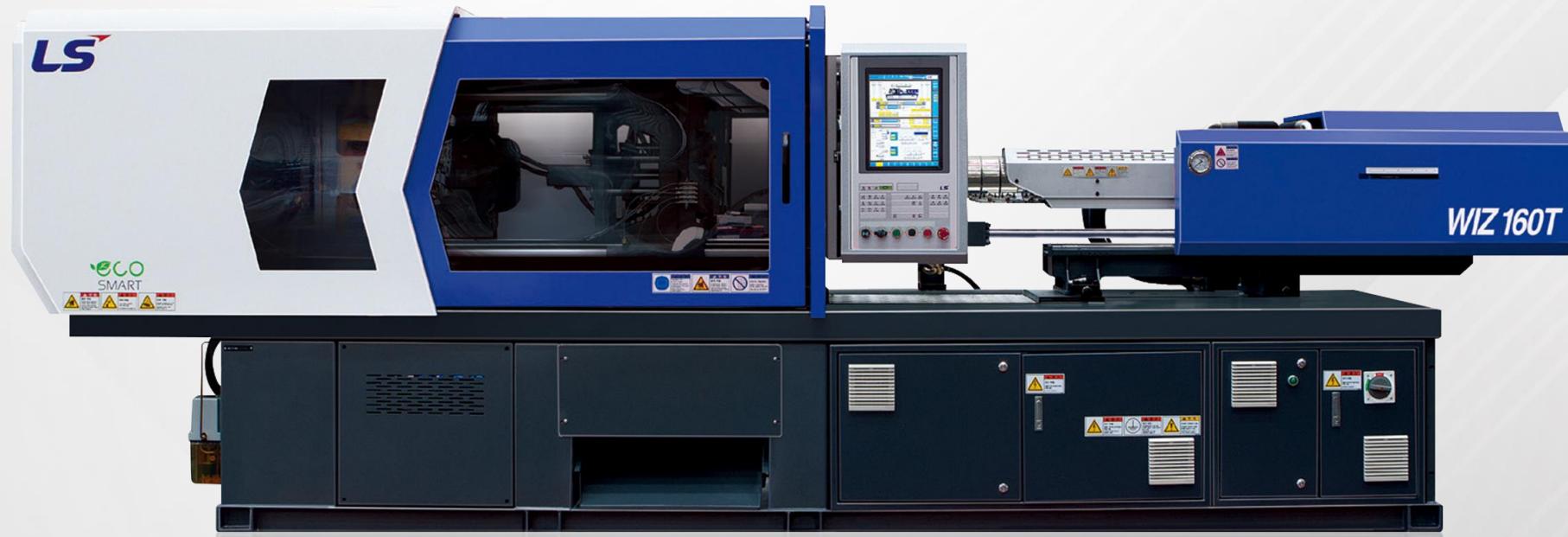
Features

- Applied new center-press template
- Extension of mold open distance (80~400 tons) : 3-20% longer than before
- KEBA controller applied
- Largest template in its class
- Increased injection capacity (350 tons or less) : by 13~27%

WIZ-T Series _ Small-sized Hybrid

High performance servo motor and KEBA controller adopted to maintain oil quantity and pressure during operation

**It provides optimal feedback control, thereby
reducing energy consumption and increasing power-saving effect**



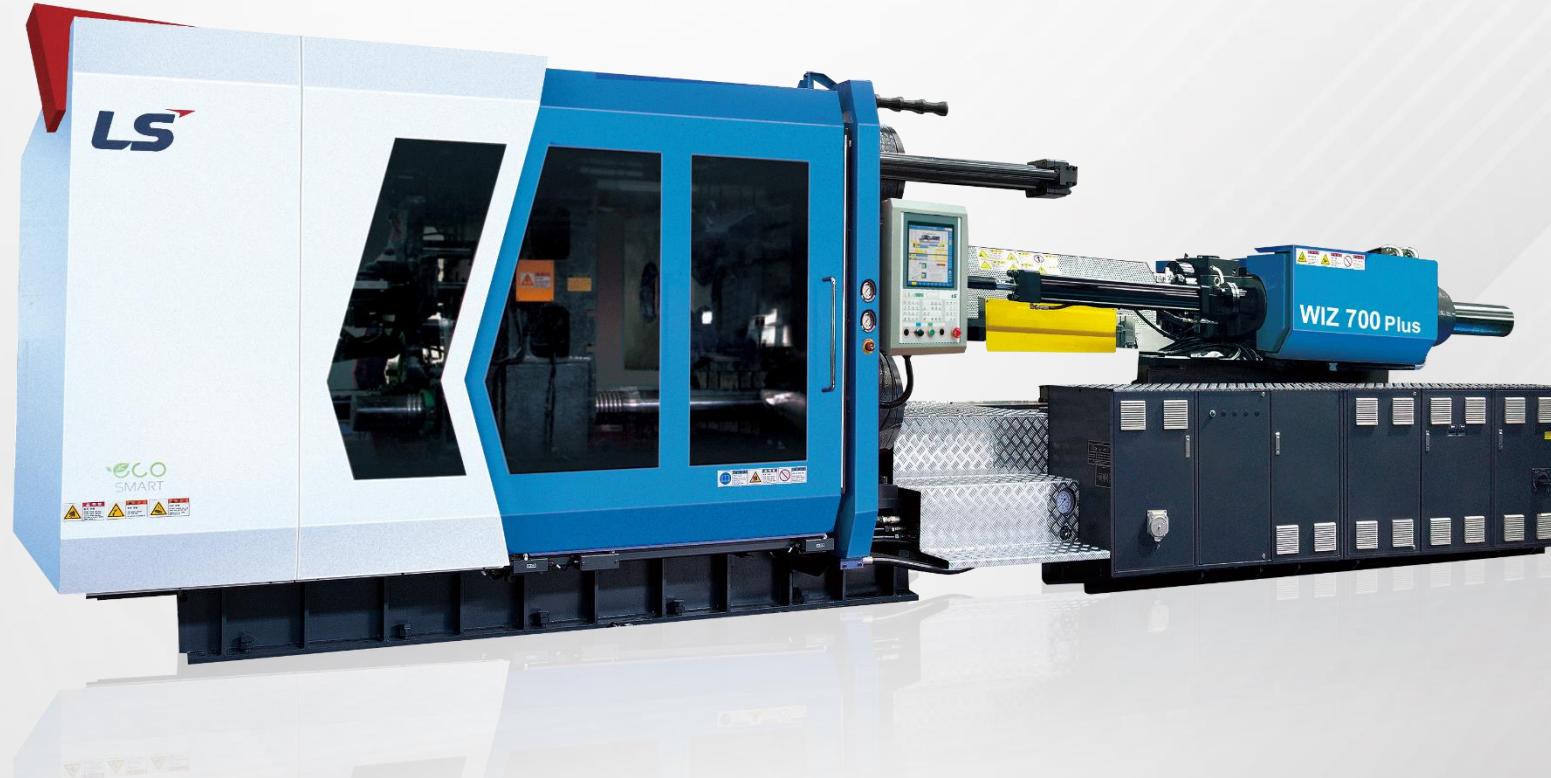
Features

- Energy saving through servo pump control
- High-response servo system reduces dry cycle time
- High rigidity, ultra lightweight molding device
- KEBA controller applied

WIZ Plus Series _ Mid-sized Hybrid

An upgrade to the WIZ series model, improvements were made to half nut structural operation and booster cylinder structure

Precision is enhanced due to the increase in speed of mold open/close feature and use of proportional control valves throughout the machine



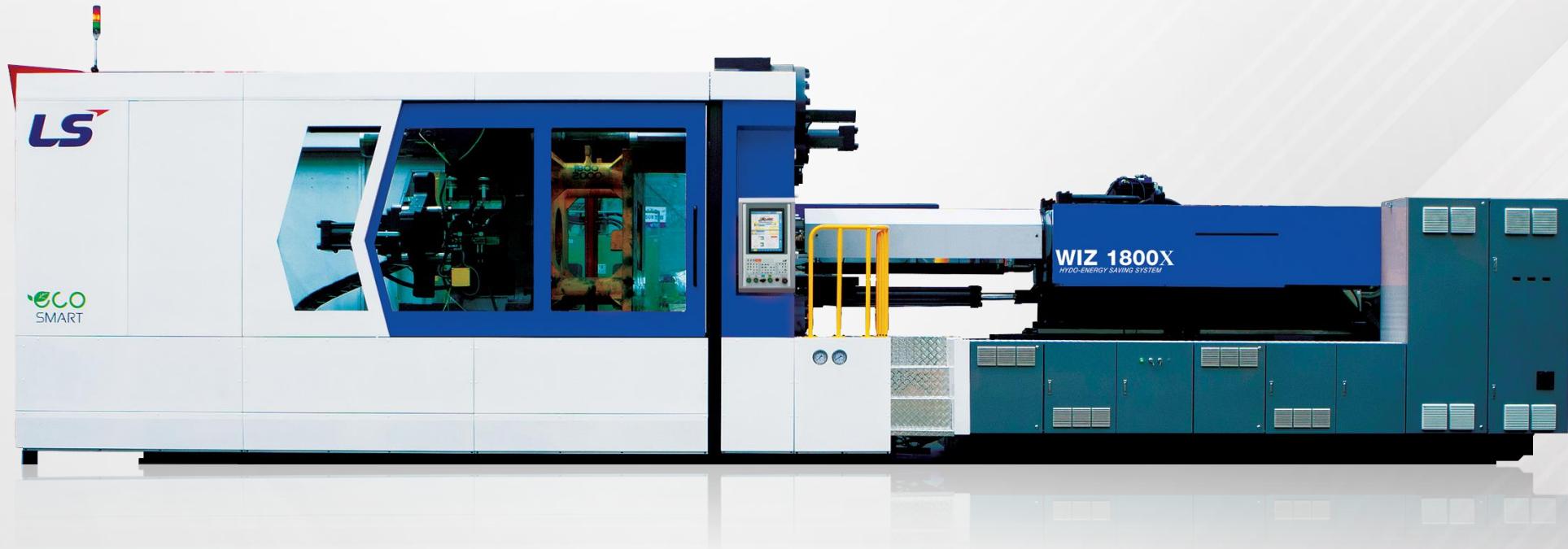
Features

- Simultaneous operation of half nuts reduces cycle time
- High-precision digital position sensor applied
- Motor pumps for circulation/pressure increase applied
- High-efficiency cooler applied
- Quick barrel-change system
- Improvements made on oil leakage by removing welded pipe
- KEBA controller applied

WIZ-X Series _ Large-sized Hybrid

By raising the plasticity capacity and lowering maintenance costs, including electricity

It requires little space, but has optimal efficiency and low operation costs



Features

- Energy-saving system
- 40% improvement in clamping time via new clamping device
- Designed to minimize noise and vibration
- Optimal design of high-strength plate FEA
- Safer operation due to optimized full length and wiring
- High-performance cooling system/filter applied
- KEBA controller applied

WIZ-EC Series _ Two Color/Dissimilar Material

Injection method capable of molding various colors or materials

Brings to life various designs and colors and shortens the production process



Features

- Reduced inversion time and improved positioning accuracy by driving a rotational servo motor
- High-speed injection compared to other domestic two color/dissimilar material machines
- Individual control of servo motor reduces cycle time
- New center-press plate applied
- Extension of mold open distance(80~400 tons) : 3-20% longer than before
- Increased injection capacity(350 tons or less) : by 13~27%
- KEBA controller applied

WIZ-E LSR Series _ Liquid Silicone

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Harmless to human body and retains stable properties, such as heat resistance, insulation and flame-resistance

For medical and electronic products, cosmetics, etc. used in various industries



Features

- Special shut-off nozzle(nozzle tip can be replaced)
- Plate-type screw head set
- New center-press plate applied
- KEBA controller applied
- Extension of mold open distance(80~400 tons) : 3-20% longer than before
- Increased injection capacity(350 tons or less) : by 13~27%

WIZ-E IBM Series _ Special Blowing Machine

Can be used to produce containers for cosmetics, medical products, foodstuffs, and infants

Highly cost-effective allows a fast cycle time

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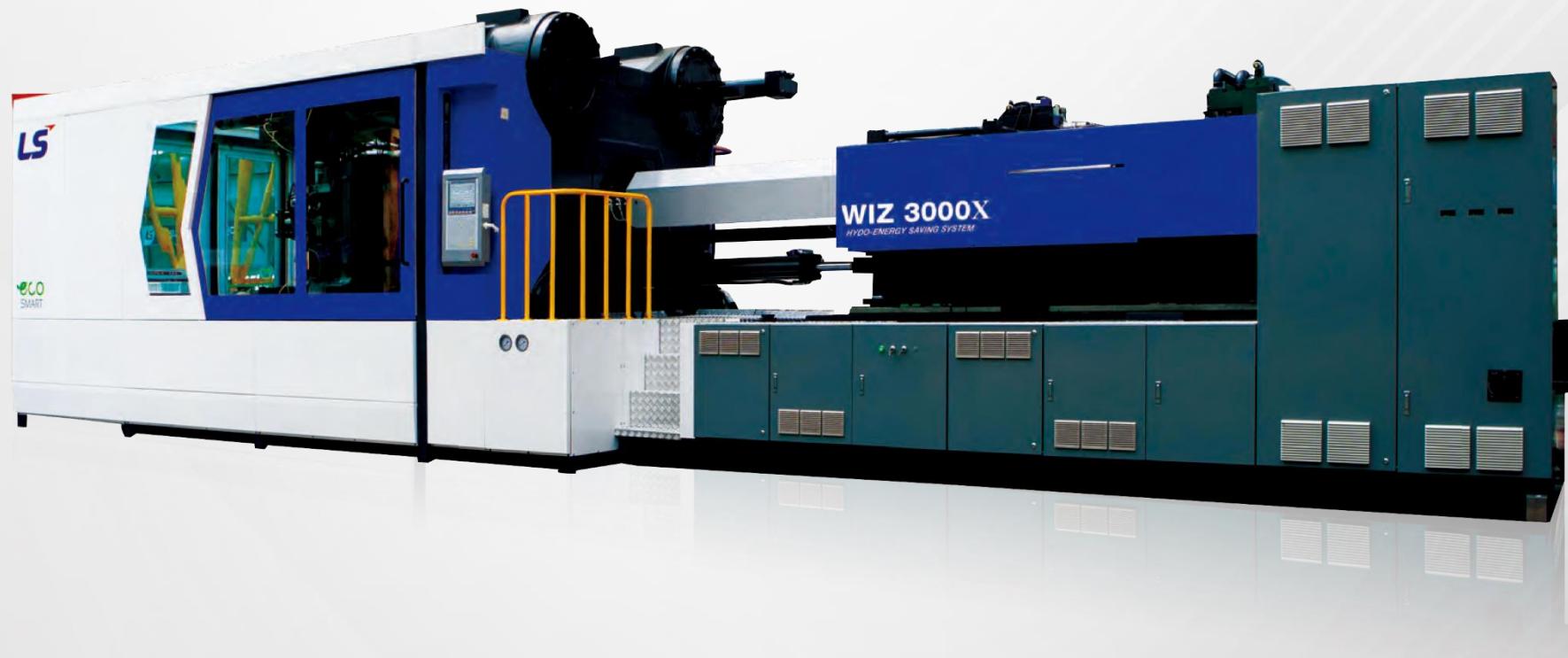
Features

- Compressed air supply: high-pressure air unit
- Mold opening and closing cylinders(2 sets) : Fast-blowing mold opening and closing speed
- New center-press plate applied
- KEBA controller applied
- Extension of mold open distance(80~400 tons) : 3-20% longer than before
- Increased injection capacity(350 tons or less) : by 13~27%

WIZ-PLT Series _ Special Machine for Pallets

Its power-saving servo pump reduces power consumption by 50%

Newly-designed screw for high plasticity increases productivity by 30%



Features

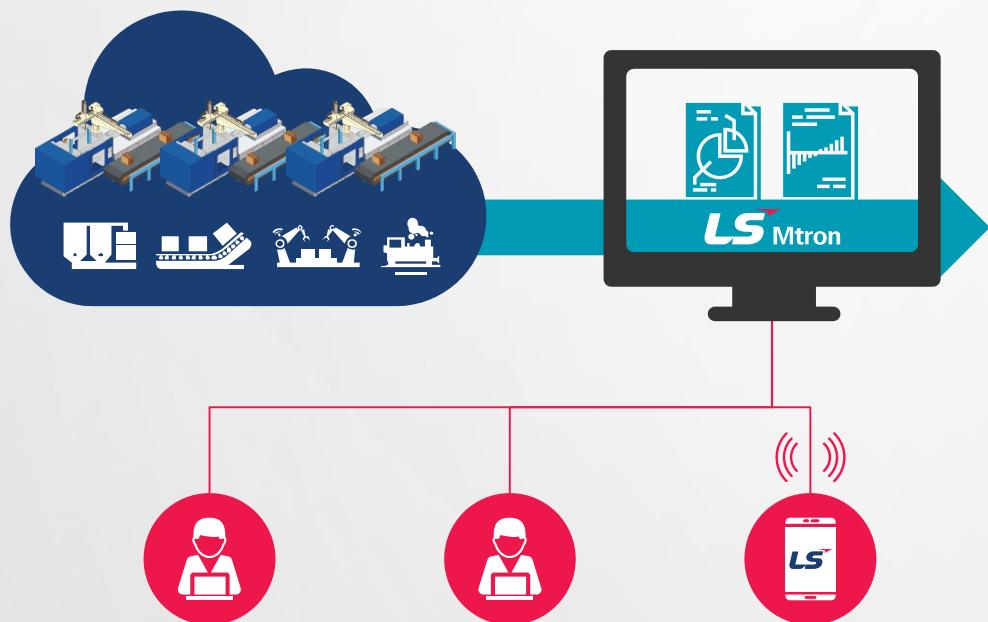
- Special core pump reduces core time
- Screw with high plasticity for pallets
- Servo pump applied
- Power-saving servo pump reduces energy consumption
- KEBA controller applied

Smart Factory 'CSI Solution'

Implementing smart factory tech using LS injection molding machines and auxiliary devices through CSI-M and CSI-C

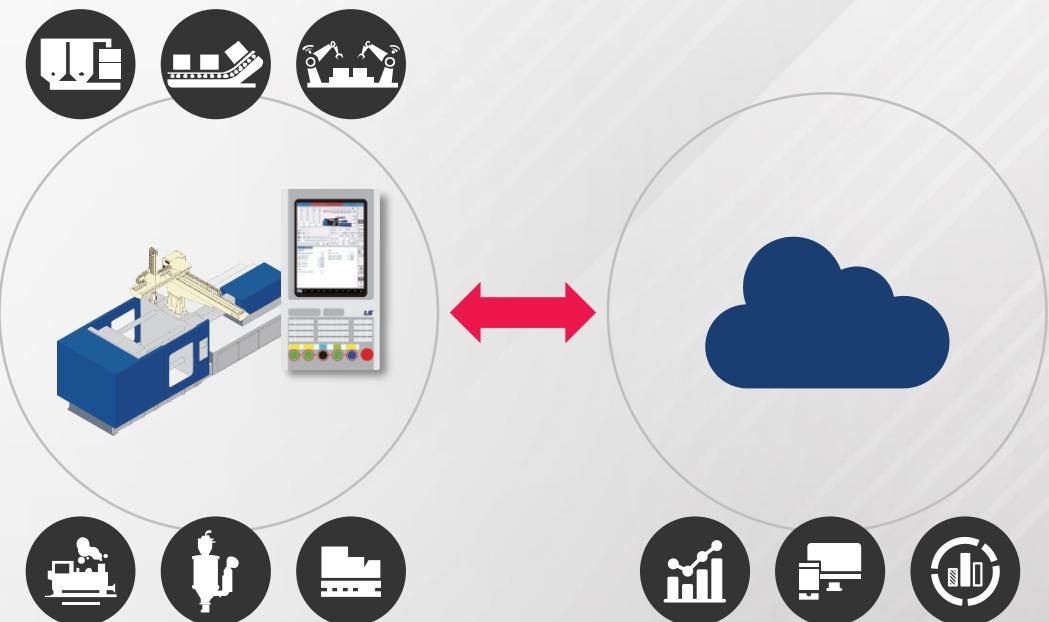
CSI-M

At-a-glance management



CSI-C

Integrated control centered around injection molding machine



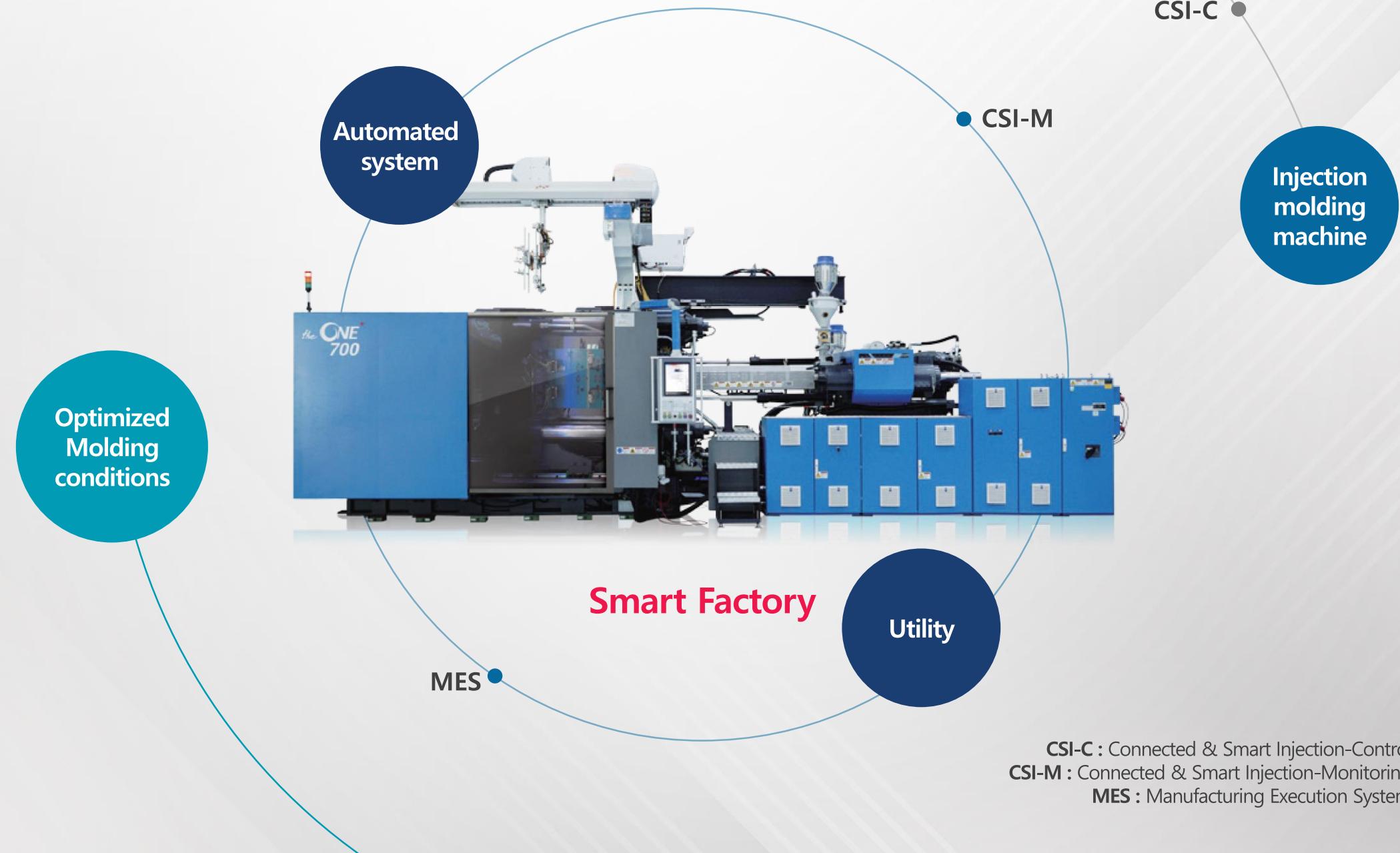
Integrated control of auxiliary devices through OP of injection molding machine

Production and process monitoring of injection molding system

Improved convenience and productivity

Smart Factory 'CSI Solution'

LS Mtron, a leader in injection molding machine technology, **provides total, tailored solutions for customers**



LS Mtron's International Certifications





Our Neighbors
Our Society

