



Total Injection Mold Company

CHANG YONG MOLD CO.,LTD

CONTENTS

01

COMPANY
INTRODUCTION

02

CUSTOMER
&
MAIN PRODUCTS

03

CAPACITY
&
REVENUE

04

EQUIPMENT
&
FACILITY

05

MANUFACTURING
&
LOCATION

OVERVIEW

CEO : Chang Yong An

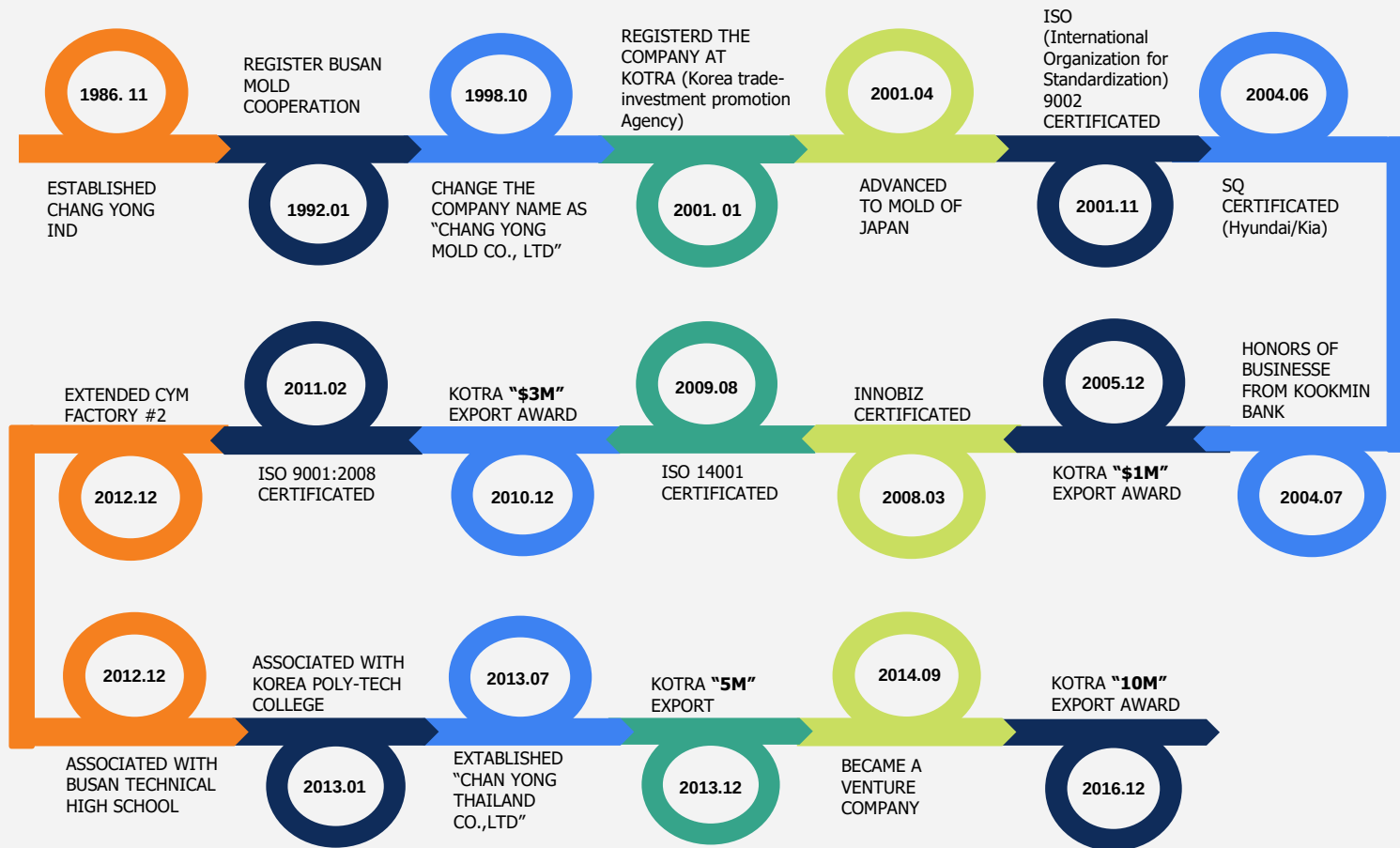
- **ESTABLISHED** 1986.11.11
- **CAPITAL** \$ 2.3 M (250 Million won)
- **EMPLOYEE** 85(in Korea)/40(in Thailand)
- **ADDRESS**
Headquarter : Chang Yong Mold Co., Ltd
: 1302 Street Nakdong-Daero 57 Samrak-Dong
Sasang-Gu Busan, South Korea, 46910
- **CONTACT**
TEL : +82-51-301-6262
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- **E-MAIL** cy303@chol.com

Thailand branch office & Maintenance

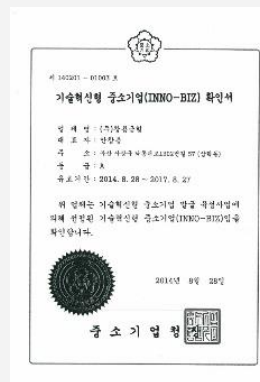
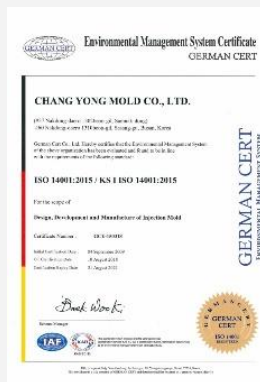
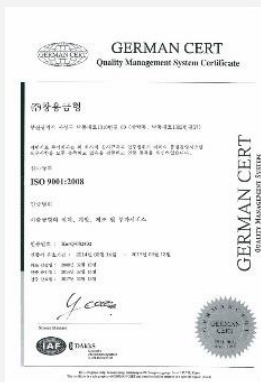
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HISTORY TIMELINE



CERTS

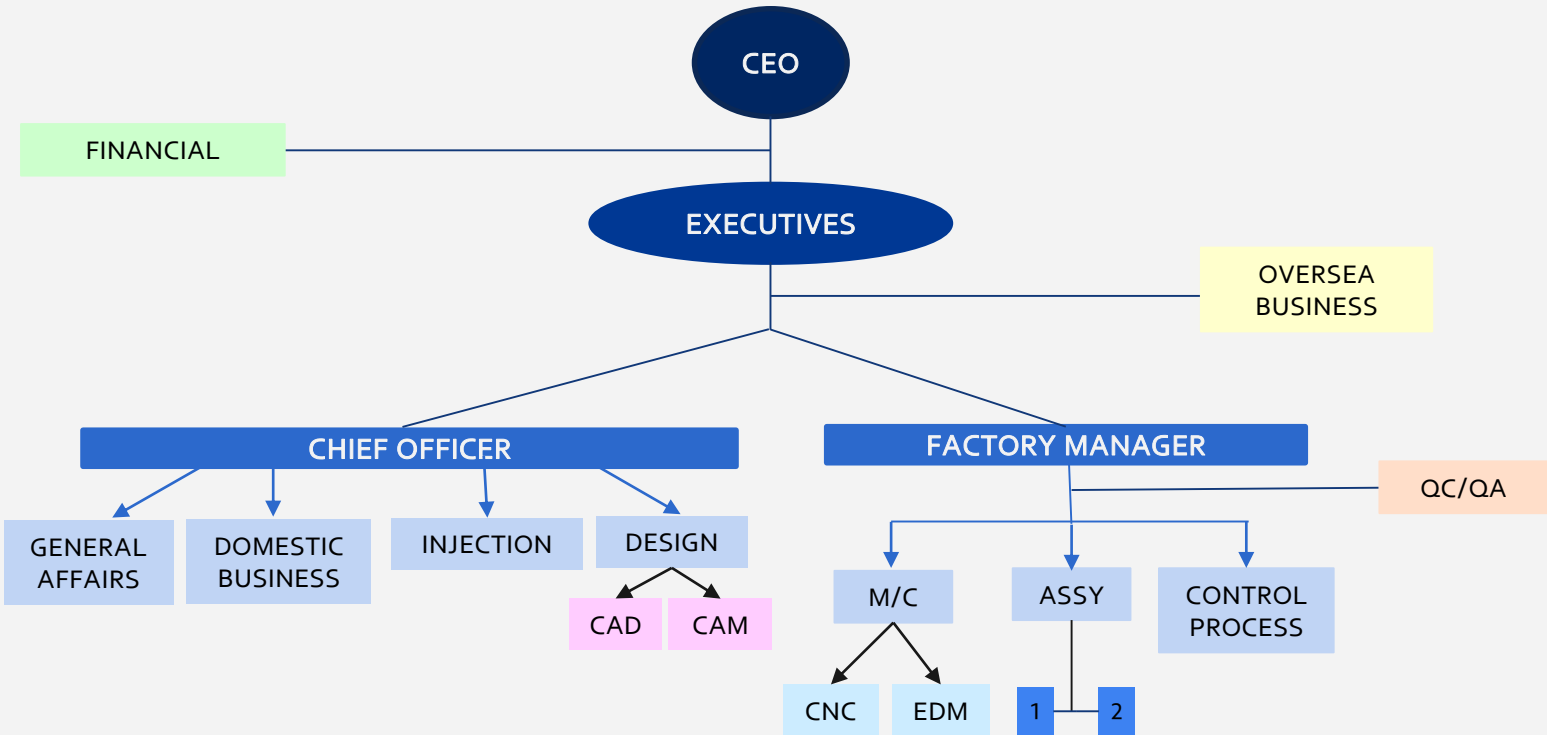


- 1986.11 – ESTABLISHED CY MOLD
- 2001.11 – ISO 9002 CERTIFICATED
- 2004.06 – SQ CERTIFICATED (HYD/KIA)
- 2005.12 – EXPORT OF \$1 MILLION
- 2008.03 – INOBIZZ CERTIFICATED
- 2009.08 – ISO 14001 CERTIFICATED
- 2010.12 – EXPORT OF \$3 MILLION
- 2013.12 – EXPORT OF \$5 MILLION
- 2016.12 – EXPORT OF \$10 MILLION
- 2017.01 – ISO 9001:2008 CERTIFICATED
- 2017.09 – ISO 14001:2015 CERTIFICATED



Total Injection Mold Company

COMPANY
SYSTEM



Number of Employee	Design	Production	Injection	Sales and Development	Account	Total
	17	53	3	10	2	85

STRENGTH

✓ RESPOND FOR OVERSEAS BUYER

- a. ENGLISH
- b. JAPANESE
- c. THAI



✓ FROM DESIGN TO TRYOUT

- a. CARRIED ALL PROCESS IN FACTORY
- b. PUNCTUAL DELIVERY
TIME&COST SAVING
- a. STRICT QUALITY CONTROL

✓ MAINTENANCE CARRIED OUT IN EACH COUNTRY

- a. KOREA/JAPAN/THAILAND
- b. LOCAL REPOSE AVAILABLE

01

Domestic Markets

02

Overseas Markets

CUSTOMER



HYUNDAI



KIA MOTORS



르노삼성자동차



GENESIS

HYUNDAI
MOBIS

SEOYON E-HWA



대유이피

SEWON
Always best for you

SEJIN (주) 세진



TOYOTA



HONDA



HONDA



NISSAN



VOLVO



PLASMAN



polestar



TOYODA GOSEI

MAHLE



SANKO GOSEI

PRODUCT LAYOUT



MAIN PRODUCTS (1)



MLDG SILL



TRIM ASSEMBLY ENG COVER



TRIM ASSEMBLY LAMP



WHEEL GUARD



DOOR STEP



COMPLETE ASSEMBLY CONSOLE



TRIM ASSEMBLY FRT PLR



TRIM ASSEMBLY CTR PLR LWR



TRIM LUGG SIDE



TRIM ASSEMBLY LUGG SIDE



TRIM ASSEMBLY SIDE DOOR



TRIM TAIL GATE LWR

MAIN PRODUCTS (2)



UMA PE-SX GIRILLE CTR, NON AEB



UMA PE-SX GIRILLE CTR, AEB



UMA PE-SX COVER, INTAKE ASS'Y



TMA PE FRT BPR GRILLE ASS'Y



DL3A GRILLE FRT BPR GT



NX4a FRT SKID PLATE



DL3A GRILLE FRT BPR LWR GT



NX4a RR SKID PLATE



DL3A FRT BUMPER ASS'Y

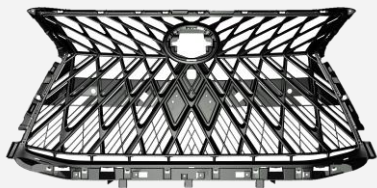


UMA PE-SX FRT BUMPER ASS'Y



TMA PE FRT BUMPER ASS'Y

MAIN PRODUCTS (3)



FRT RAD GRILLE



FR PILLAR



TRIM FR PILLAR



SIDE COWL



SPLASH SHEILD



ASSEMBLY CONSOLE



CTR PLR LWR



CTR COWL



OBS FRT BPR LWR



COWL TOP



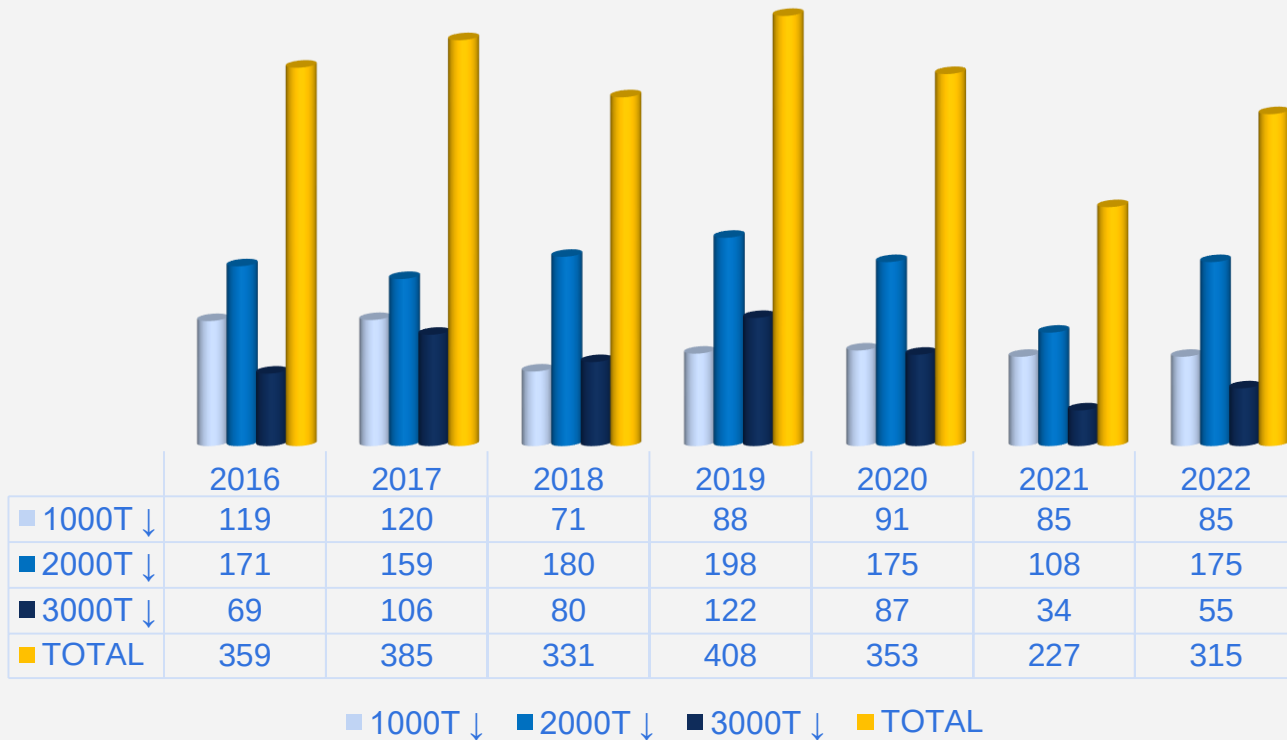
CTR SPOILER



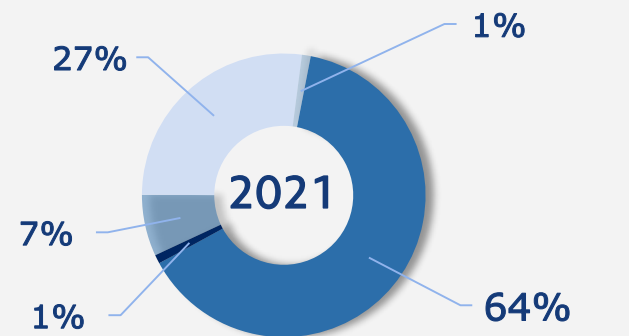
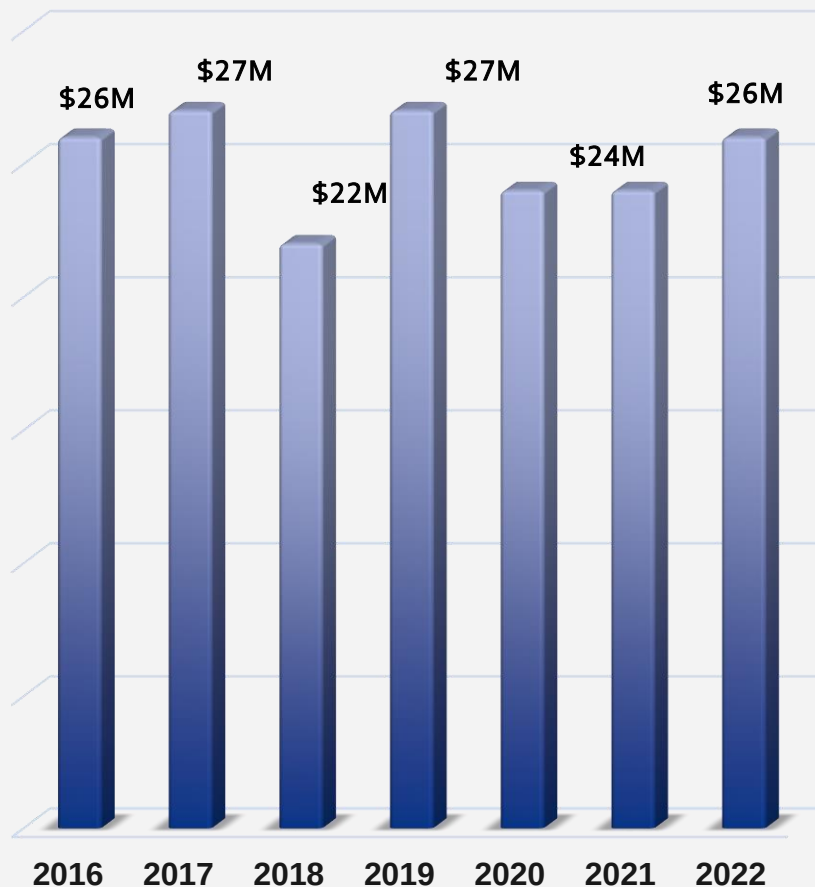
RR CONSOLE

MOLD CAPABILITIES

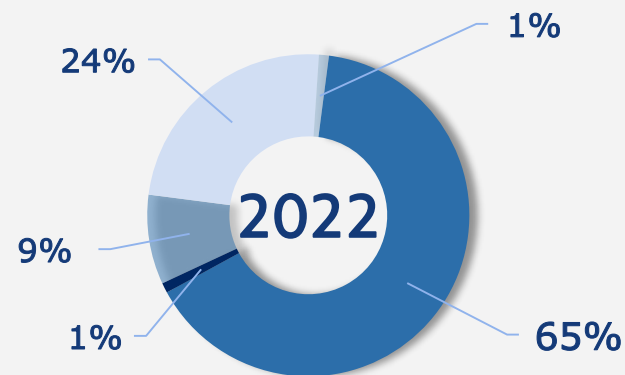
TOOLING CAPACITY



REVENUE



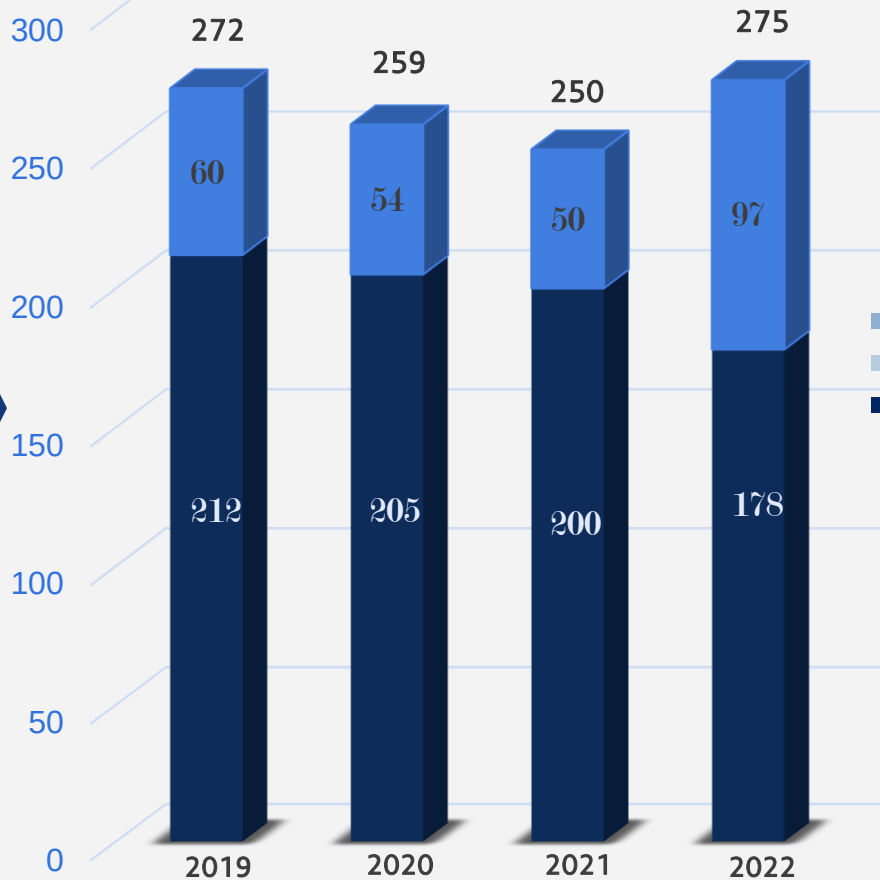
JAPAN
THAILAND
OTHER
NORTH AMERICA
DOMESTIC DEMAND



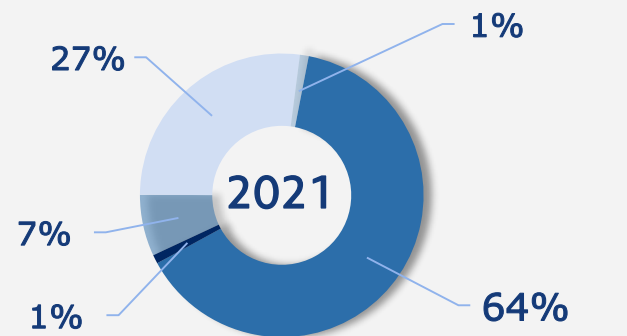
JAPAN
THAILAND
OTHER
NORTH AMERICA
DOMESTIC DEMAND

UNIT: HUNDRED MILLION WON

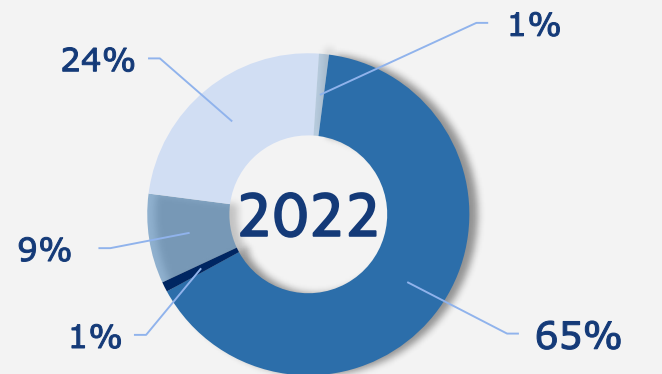
SALES STATUS



■ Domestic
■ Oversea



■ JAPAN
■ THAILAND
■ OTHER
■ NORTH AMERICA
■ DOMESTIC DEMAND



■ JAPAN
■ THAILAND
■ OTHER
■ NORTH AMERICA
■ DOMESTIC DEMAND

EQUIPMENT STATUS (Factory 1)



DIE SPOT

CNC

EDM

INJECTION

EQUIPMENT
STATUS
(Factory 2)

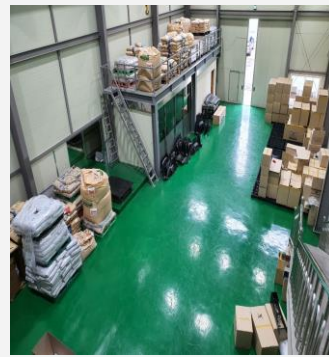
FITTING&ASSY



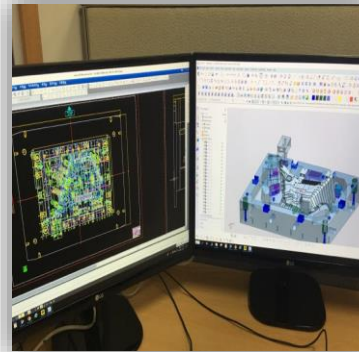
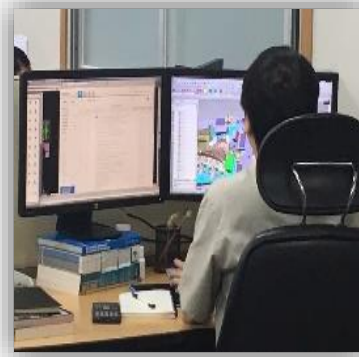
M/C



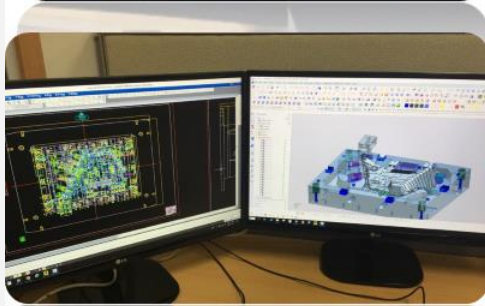
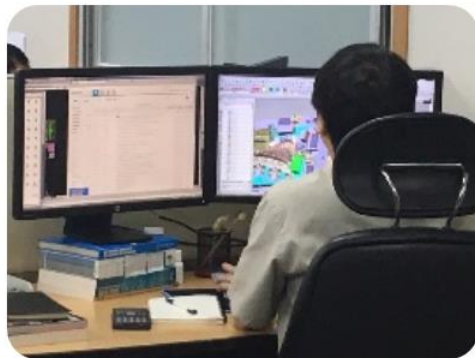
DEVELOPMENT



DESIGN

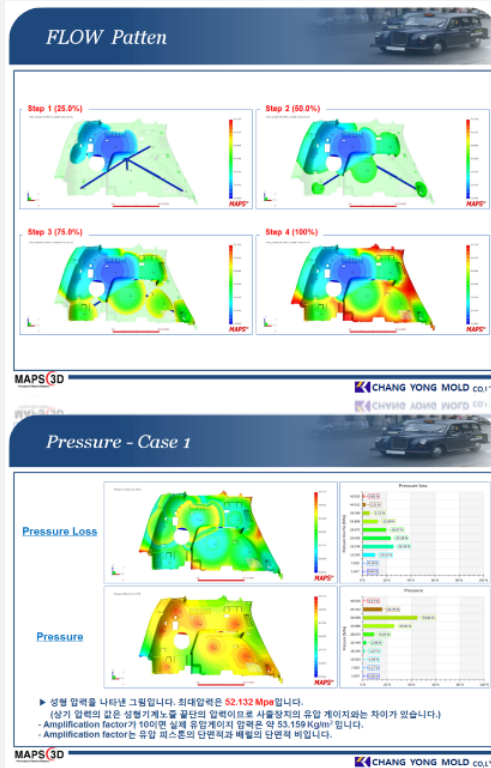


CAPA -TOOL DESIGN



	SOFTWARE	MAKER	QTY
CAD	K-MOLD(Think3)	Think3 / KCS	2
	MDT2006(AUTOCAD)	AUTODESK (USA)	5
	UG NX10	UNIGRAPHICS	18
CAM	POWER SHAPE	DELCAM (イギリス)	5
	POWER MILL	DELCAM (イギリス)	10
	MODVIEW	DATAFACE(KOR)	1
	パルンギル21	KUMKANG CAD&CAM	1

CAPA -MOLD FLOW



	SOFTWARE	MARKER	QTY
CAE	MAX3	VM TECH	3
3D CHECKER	ARM TYPE	FARO TECHNOLOSIES	1
WORK STATION	IBM	INTEL	15
FOLOT (DESIGNJET 500)	A0	HP	1

CAPA -CNC/ EDM



LIST	SIZE	QTY
HIGH SPEED CNC MILLING M/C	3000 *1750 *1100	3
	2500*1250*1050	9
	2000*960*800	2
	1000*600*600	2
MILLING M/C	820 * 300 * 450	3

LIST	SIZE	QTY
CNC EDM M/C (TWO HEAD)	3000 * 1000 * 1000	2
	2500 * 1000 * 1000	1

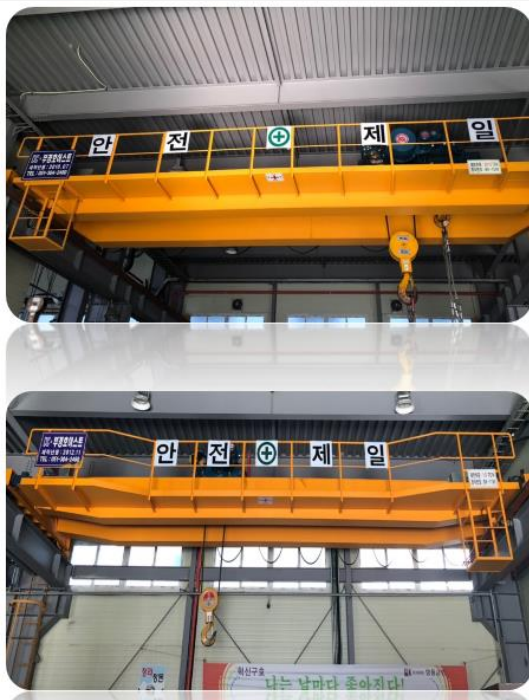
CAPA -INJECTION/ DIE SPOT



LIST	TONNAGE	QTY
INJECTION M/C	2000 ton	1
	900 ton	1
	500 ton	1

LIST	SIZE	QTY
DIE SPOTTING PRESS	300T/F180 SD3020	1
	400T KSRP-400	1

CAPA -CRANE



LIST	MAKER	QTY
30/10 ton (double)	BK-12103~12104	2
30 ton	BK-14111	2
20/10 ton (double)	BK-1760	2
15/5 ton (double)	BK-12106	2
15 ton	BK-12105	2
10 ton	BK-1190	5
7.5 ton	KC4-D7.5-22	1

FACILITY LIST (1)

NO	M / C NAME	SPEC (SIZE)	MAKER	Q' TY	RMK
1	DIE SPOTTING PRESS	300T/F180 SD3020	SANKI SEIKO (JPN)	1	
2	DIE SPOTTING PRESS	400T KSRP-400	KUKDONG ENG	1	
3	HIGH SPEED CNC MILLING M/C	3000 *1750 *1100	HWACHEON	2	
4	HIGH SPEED CNC MILLING M/C	2500*1250*1050	HWACHEON, SAMJUNG	10	
5	HIGH SPEED CNC MILLING M/C	2000*960*800	DOO SAN	2	
6	HIGH SPEED CNC MILLING M/C	1000*600*600	HWACHEON	1	
7	MILLING M/C	820 * 300 * 450	HWACHEON	3	
8	CNC EDM M/C (TWO HEAD)	3000 * 1000 * 1000	SAMBON	2	
9	CNC EDM M/C (TWO HEAD)	2500 * 1000 * 1000	SAMBON	2	
10	INJECTION M/C	2000TON	WOOJIN SELEX	1	
11	INJECTION M/C	900TON	WOOJIN SELEX	1	
12	INJECTION M/C	500TON	WOOJIN SELEX	1	
13	CRANE HOIST	30/10, 20/10, 15/5,15 ,10,7.5(T)	BANDO	16	
14	RADIAL DRILL M/C	DR1500	DOO SAN	1	

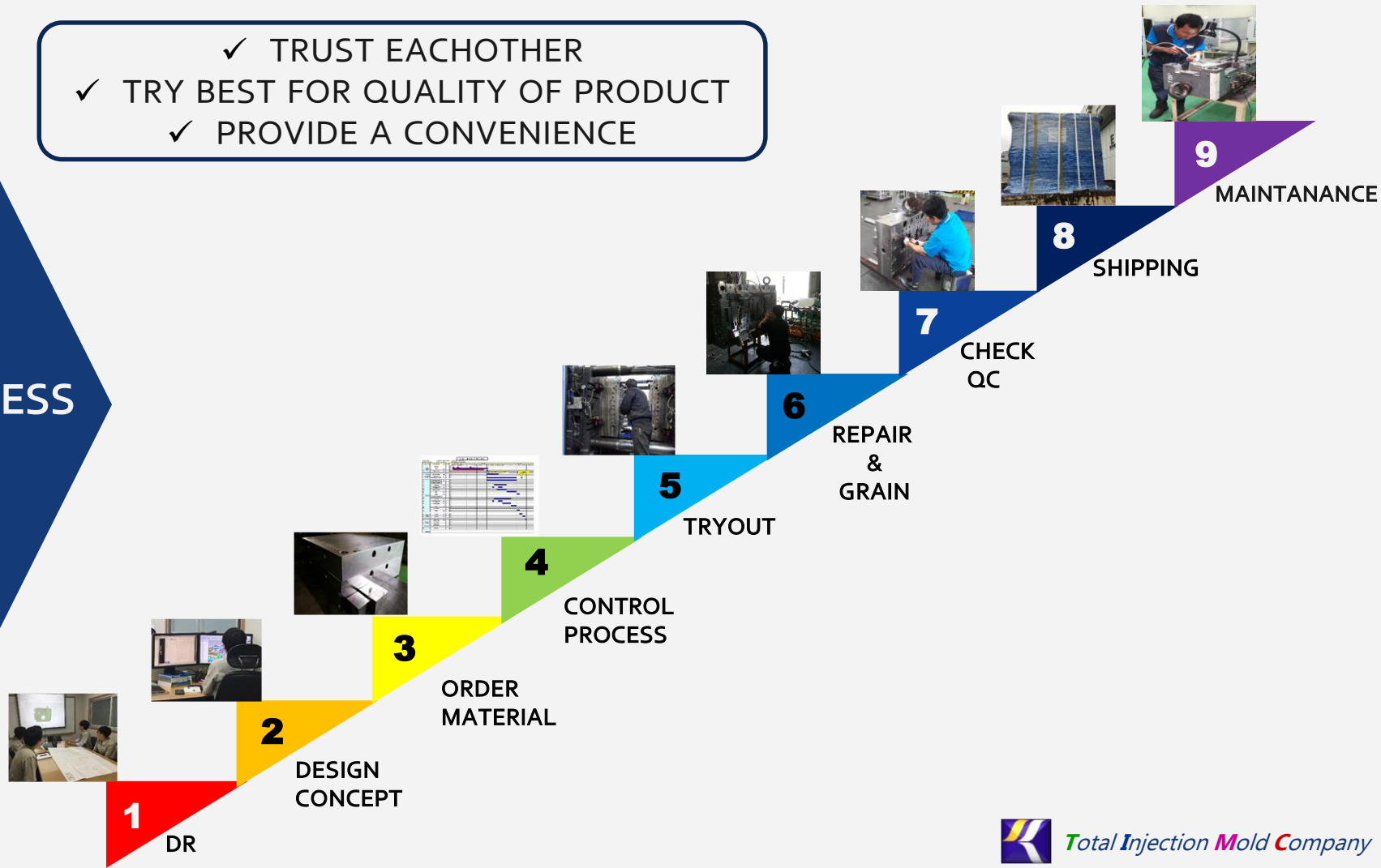


FACILITY LIST (2)

NO	M/C NAME	SPEC (SIZE)	MAKER	Q'TY	RMK
15	RADIAL DRILL M/C	HRD1600	HWACHEON	1	
16	GRINDER	DGS520HA	WIA	1	
17	GRINDER	YGS1CVR180A	YOUIL	1	
18	AIR COMPRESSOR	50P, 30P, 15P, 10P	DAWOO,HANSIN	3	
19	ARGON WELDING M/C	DS-500DT/30kw	DAESUNG	1	
20	SAW M/C(BIG)	420 * 260	HOEJUN	1	
21	SAW M/C	H250SA	AMADA	1	
22	LATHE M/C	HL460*1000	HWACHEON	2	
23	3D DESIGN PROGRAM	K-MOLD(Think3)	Think3 / KCS	2	
24	3D/2D DESIGN PROGRAM	MDT2006(AUTOCAD)	AUTODESK (USA)	5	
25	3D DESIGN PROGRAM	UG NX7	UNIGRAPHICS	18	
26	3D MODELING PROGRAM	POWER SHAPE	DELCAM (ENGLAND)	3	
27	NC TOOLING PROGRAM	POWER MILL	DELCAM (ENGLAND)	5	
28	CATIA DATA CHANGING PROGRAM	MODVIEW	DATAFACE(KOR)	1	
29	DNC PROGRAM	BARNGIL21	KUMKANG CAD&CAM	1	
30	WORK STATION	IBM	INTEL	8	
31	FOLOT (DESIGNJET 500)	A0	HP	1	
32	FORMATION INTERPRETERS	MAX3	VM TECH	1	
33	3D CHECKER	ARM TYPE	FARO TECHNOLOSIES	1	

PROCESS

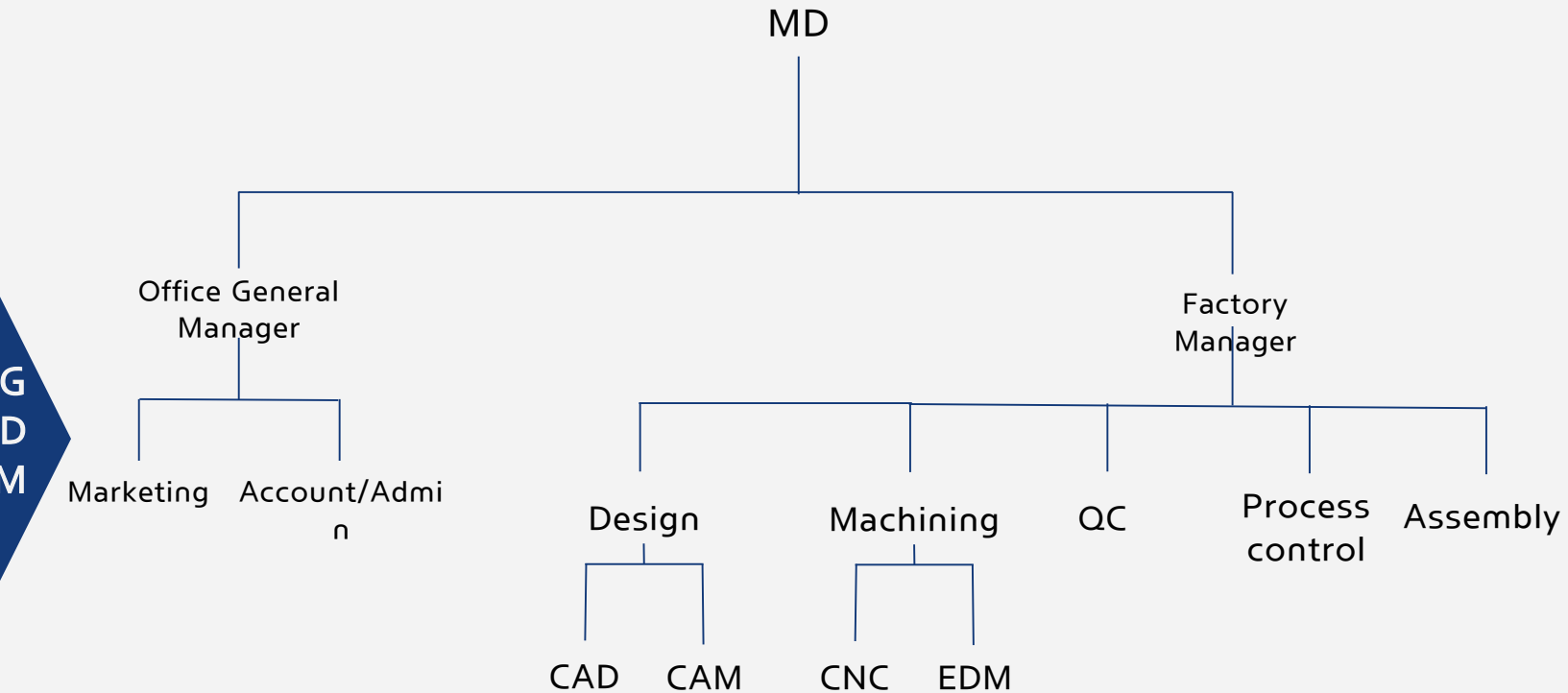
- ✓ TRUST EACHOTHER
- ✓ TRY BEST FOR QUALITY OF PRODUCT
- ✓ PROVIDE A CONVENIENCE



CHANG YONG THAILAND



CHANG YONG THAILAND SYSTEM



Number of Employee	Design	Production	Quality control	Marketing	Account	Total
	7	25	3	3	2	40



MAIN PRODUCTS (1)



PANEL INSTR PANEL FINISH



CONSOLE COMP



PIECE RADIATOR GRILL



GARNISH ROOF SIDE INNER L/R



COWL SIDE CVR



LID HOUSING



FRONT COVER



GARNISH PILLAR LWR L/R

**EQUIPMENT
STATUS
(Factory 1)**



FITTING & ASSY



INJECTION



EDM



CNC



DIE SPOT

THAI FACILITY LIST

NO	NAME	SPECIFICATION (SIZE)	MAKER	QTY
1	HIGH SPEED CNC MACHINE	500 X 400 X 300	SISTER	1
2	HIGH SPEED CNC MACHINE	1300 X 700 X 650	HARTFORD	1
3	HIGH SPEED CNC MACHINE	2200 X 1500 X 1070	HARTFORD	1
4	HIGH SPEED CNC MACHINE	1300 X 700 X 650	HARTFORD	1
5	LASER WELDING	TL-A2008	TOP LASER	1
6	CNC EDM MACHINE	2000 X 1200 X 600	SAMBON	1
7	CNC EDM MACHINE	700 X 500 X 500	MOSCARMAX	1
8	CNC EDM MACHINE	800 X 500 X 350	DAEHAN	1
9	DIE SPOTTING PRESS	300T / HYDRAULIC PRESS	KUKDONG	1
10	MILLING MACHINE	HMT-1100N	HWACHEON M.1	1
11	DRILLING MACHINE	PARKA PRD-1100	DOOSAN	1
12	LATHE MACHINE	530 X 1100	LIUUY HSING	1
13	3D DESIGN PROGRAM	UG NX7	UNIGRAPHIC	3
14	CRANE HOIST	20/10 Ton, 10 Ton	BANDO	2

LOCATION MAP (KOREA&THAILAND)

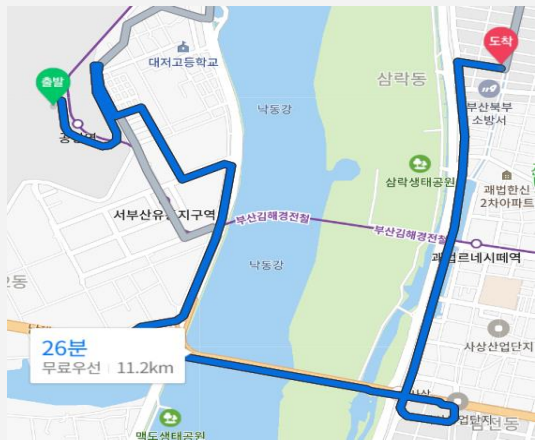
KOREA



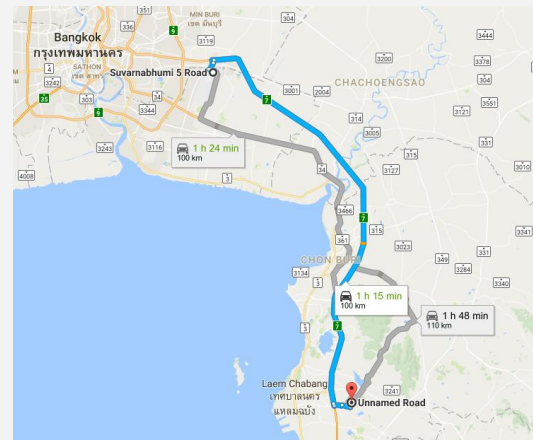
THAILAND



Detail information of Korea/Thailand Factory & Contact



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THANK YOU FOR YOUR ATTENTION



Total Injection Mold Company

Chang Yong Mold Co., Ltd.