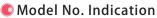
Operation Panel / Control Unit

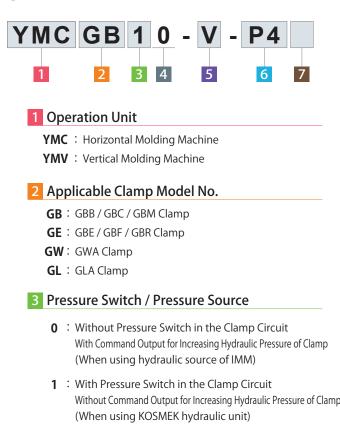
Model YMC Model YMV



Clamping System Controls for All Mold Change Methods

Separated operation panel and control unit enables flexibility when selecting control and mounting methods. PAT.P





 With Pressure Switch in the Clamp Circuit With Command Output for Increasing Hydraulic Pressure of Clamp With Command Output for External Hydraulic Pump (When using both hydraulic source of IMM and CJB Booster Unit)
 (2 Applicable Clamp Model No. GB/GE only)

4 Design No.

Revision Number

5 Machine type and Mold Loading/Unloading Direction
1 YMC: Horizontal Molding Machine
V : Horizontal Molding Machine • Vertical Loading
H : Horizontal Molding Machine • Horizontal Loading
1 YMV: Vertical Molding Machine
A : Vertical Molding Machine • Upper Mold Only
B : Vertical Molding Machine • Upper and Lower Mold
\mathbf{R} : Vertical Rotary Machine (Lower Side) • Upper Mold ×1 Lower Mold ×2
Lower Side Rotary Table Stop Position
R1:1 Position / R2:2 Positions / R3:3 Positions / R4:4 Positions
6 Option
Blank : None
 S2~S8: With Mold Confirmation Proximity Switch (Series connection) 2-8 pcs. on each side (2 Applicable Clamp Model No. GE only)
 P2~P8: With Mold Confirmation Proximity Switch (Indicidual connection) 2-8 pcs. on each side (2 Applicable Clamp Model No. GB only)
 F : Clamp Incomplete Detection (2 Applicable Clamp Model No. GE/GL only)
Y : Clamp Error Output when Abnormal High Pressure Detected ^{**1}
W : Remote Monitoring System ^{*2}
L : Without Locating Pin + With Release Confirmation Output ^{± 3}
 ※1. Select Option Y only when using circuit symbol S of Hydraulic Unit. ※2. Please contact us for details of Option W. ※3. Option L can be selected only for horizontal mold loading.
7 Indication Language

Blank : Japanese

- N : English
- C : Chinese

Specifications

Attached Power Supply

Control Panel Operating Voltage

Input Voltage

2. Signals are sent and received via dry contacts.

Output Capacity

Model No.

Notes :

DC24V (Supplied with the attached power supply.)

AC100V~240V(50/60Hz)

YMC 10

30W

1. Requested specifications other than those written above will be treated as custom made.

3. The molding machine output contact should be for fine current (DC24V / 10mA).

The output contact of Operation Panel/Control Unit is DC24V/0.5A.
 Molding machine terminology may differ depending on the manufacturer.

YMC□00

100W



Hydraulic Clamping System

Hydraulic Clamp

Hydraulic Unit

Valve Unit

Air Valve Unit

Operational Panel Control Unit

Auto Coupler

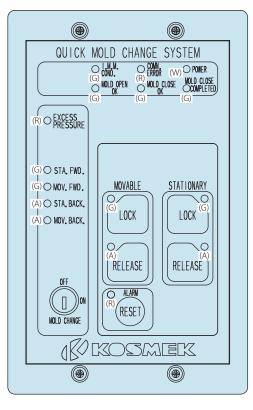
Cautions Others

peration Panel ontrol Unit

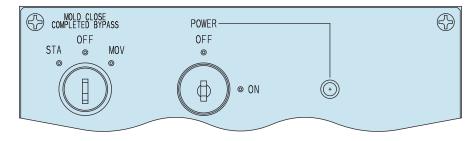


C Detail : Operation Panel

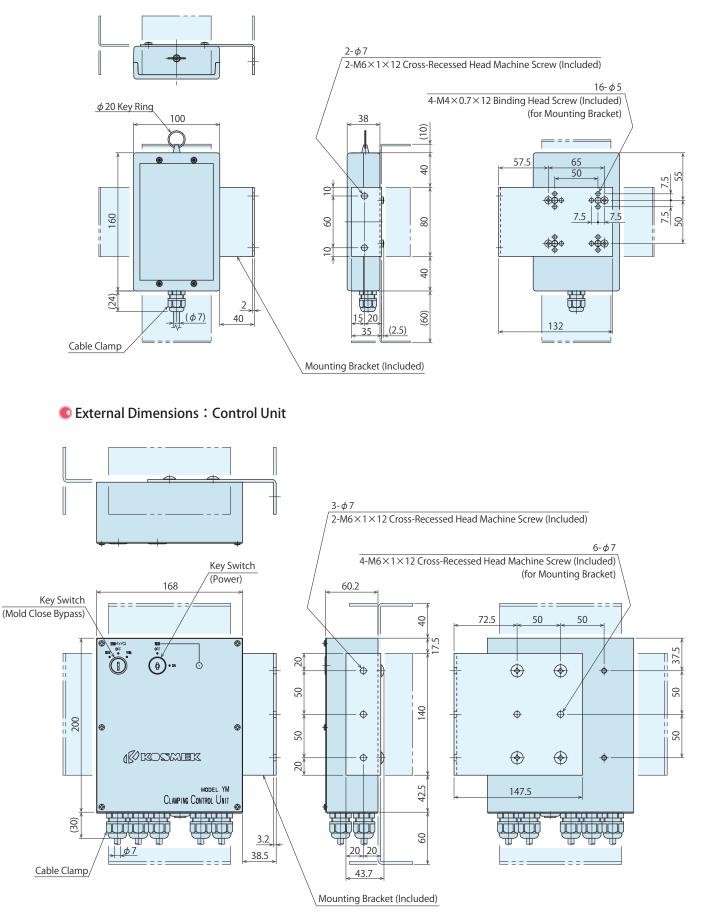
- (R) Display Light : Red
- (W) Display Light : White



C Detail : Control Unit



© External Dimensions : Operation Panel



Note :

1. The bracket can be mounted in any direction.

Clamp Operating Condition

Mold

Close

Injection Molding Machine Condition

Nozzle Back

(Option)

Operation Procedure : For YMCGE10-V

% Please contact us for the operation procedure for other models.

Mold Change "ON"

Interlock Input and Output

Clamp Operation Panel



Hydraulic Clamping System

Hydraulic Clamp

Hydraulic Unit

Valve Unit

Air Valve Unit

Note: 1. When the mold change switch is "ON", clamp error does not occur regardless of the condition of clamps during mold change.

Unloading a Mold

Operation Mode :

Mold Change

Loading a Mold

Ejector Back

(Option)

Unloading a Mold			Loading a Mold			
Operation Procedure	Confirmation Items	Cautions	Operation Procedure	Confirmation Items	Cautions	Operational Panel Control Unit
Prepare for mold change.			Load the mold with		Confirm specifications of the mold before	Auto Coupler
Switch the IMM condition			the crane.		loading.	
to "Nozzle Back" /			Close the platens.	"MOLD CLOSE COMPLETED" light ON.		Cautions Others
"Ejector Back" etc.				COND. COMN. POWER		
(Input Options)						Operation Panel Control Unit
Support the mold with		Confirm the mold is securely hung	Press the [Stationary] and	"STA. FWD END" "MOV. FWD END"		YMC/YMV
the crane.		and cables are not	[Movable] "Lock" buttons	lights ON.		
		loose.	of the clamp operation panel.	MOV. BWD END STA. BWD END		
Switch the IMM to	"IMM COND." light ON.			"LOCK" lights ON.		
Mold Change Mode.	IMM COMN. POWER		MOVABLE STATIONARY LOCK LOCK	MOVABLE STATIONARY LOCK LOCK		
Turn ON the "Mold Change"		The clamping system				
switch of the clamp		controller keys should be carefully controlled				
operation MOLD CHANGE OFF		by the person in charge.	Turn OFF the "Mold Change"	"Mold Open OK"		
panel.			switch of the clamp	"Mold Close OK"		
			operation panel.	lights ON.		
Close the platens.	"MOLD CLOSE COMPLETED" light ON.		MOLD CHANGE OFF			
	IMM COMN. POWER					
	MOLD OPEN MOLD CLOSE MULDLOSE					
Press the [Stationary] and	"STA. BWD END" "MOV. BWD END"		Release the mold from		Make sure there is no abnormality on	
[Movable] "Release" buttons	lights ON.		crane.		clamps and other	
of the clamp operation panel.	STA. BWD END				devices in the platen.	
MOVABLE STATIONARY	"RELEASE" lights ON.					
RELEASE RELEASE	MOVABLE STATIONARY RELEASE RELEASE					
еизн еизн						
	"MOLD OPEN OK" light ON.					
Open the platens.		Operate with low				
		speed or inching.				
Unload the mold.		Make sure there is no				
		abnormality on clamps and other devices in the platen				

\bigcirc Interlock Input and Output stPlease contact us for any specifications other than those described below (custom-made).

after unloading the mold.

I. M. M. Output	Contents
Mold Change Mode	A signal that ensures the IMM is in low-speed Mold Change Mode.
Mold Closed (Pressurized)	A signal that ensures the mold is completely closed. Prohibit the release operation while the mold is open to prevent the mold from falling.
Nozzle Back	A signal that ensures the nozzle or the injection unit is fully back to prevent damage to the nozzle when unloading the mold.
Ejector Back	A signal that ensures the ejector is in the back position to prevent damage to the ejector when unloading the mold.
I. M. M. Input	Contents
Mold Open OK	A signal that indicates the clamping system is ready for mold opening.
Mold Close OK	A signal that indicates the clamping system is ready for mold closing.
Mold Change "ON"	A signal that indicates the clamp system is in "Mold Change Mode".
Clamp Error	When an error in the clamp circuit occurs, this signal is sent to make an emergency stop of the machine.
Pressure Request	This signal requests additional hydraulic pressure when necessary to lock or release the clamps in Mold Change Mode.

Cautions

Notes for Design

- 1) Check Specifications
- Please use each product according to its specifications.
- GBB/GBC/GBE/GBF/GBM/GBR

Operating hydraulic pressure is 25 MPa. Operate within the specified condition. Failure to do so may result in damage on clamps, falling of molds and injury. In order to reduce clamping force, use the product with lower operating pressure.

【GWA/GLA】

Operating hydraulic pressure is 14MPa. Hydraulic pressure must be continuously supplied.

However, if using IMM hydraulic source and supply hydraulic pressure fluctuates, supply 14MPa hydraulic pressure to the clamp when opening the mold. Otherwise, the specification of the clamp is not satisfied and it may cause injury due to falling of the mold.

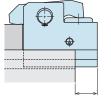
Do not use clamps with excessive hydraulic pressure. Failure to do so may result in damage on clamps, falling of molds and injury.

- The ambient operating temperature of clamp should be 0 ~ 70°C. (High Temperature Model : 0 ~ 120°C.)
- 2) Mold Clamping Thickness
- 【GBB/GBC/GBE/GBF/GBM/GBR】
 Check the mold clamping thickness.
 【GWA/GLA】

The mold clamping thickness should be h \pm 0.5mm.

- Use of a mold other than specified may result in incomplete locking of the clamp, leading to injury due to falling of the mold.
- 3) Check the dimensions of T-slot.
- GBB/GBC/GBE/GBF/GLA
 - If the T-slot you are using differs from the clamp specification, the clamp will not operate properly, and this could lead to falling of the mold and injury.
- 4) Allowable Protrusion Amount when Clamping
- GBB/GBC/GBE/GBF/GWA/GLA

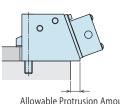
Do not exceed the allowable protrusion amount. Otherwise, excessive force will be applied to the clamp, deforming or dropping the clamp out of T-slot. It may cause falling of a mold and injury.



Allowable Protrusion Amount (L)

Allowable Protrusion Amount

Model No.	L (mm)
GBB0100/GBC0100	17.5
GBB0160/GBC0160	21
GBB0250/GBC0250/GBE0250/GBF0250	25
GBB0400/GBC0400/GBE0400/GBF0400	32
GBB0630/GBC0630/GBE0630/GBF0630	39
GBB1000/GBC1000/GBE1000/GBF1000	45
GBB1600/GBC1600/GBE1600/GBF1600	57
GBB2500/GBC2500/GBE2500/GBF2500	69.5
GBB4000/GBC4000/GBE4000/GBF4000	0
GBB5000/GBC5000/GBE5000/GBF5000	0

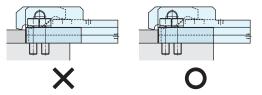


 (\mathbf{I})

	Allowable Protrusion Amount	
	Model No.	L (mm)
	GWA0100/GLA0100	35
	GWA0160/GLA0160	38
	GWA0250/GLA0250	23
	GWA0400/GLA0400	62
	GWA0630/GLA0630	65
unt	GWA1000/GLA1000	35
	GWA1600/GLA1600	0
	GWA2500/GLA2500	0
	GWA4000/GLA4000	0
	GWA5000/GLA5000	0

5) Be careful with a mounting position of a clamp.

- GBM/GBR
 - The mounting block should not protrude out from the mounting surface. Otherwise, excessive force will be applied to the clamp leading to deformation and dislocation which may cause falling of a mold leading to injury.

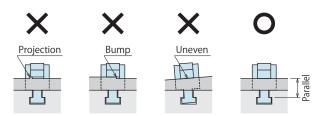


- 6) Make sure the sliding surface is smooth (without any bumps).
 【GBB/GBC/GBE/GBF/GBM/GBR/GLA】
 - If the sliding surface is not smooth, the clamp will not slide properly.



- 7) Mold clamping surface
- GBB/GBC/GBE/GBF/GBM/GBR

The mold clamping surface and T-slot must be parallel to the mold mounting surface. If the clamping surface has a bump or is not flat, excessive force will be applied to the clamp. It may deform the clamp body, lever and pins, resulting in falling of the clamp or the mold and injury.



• [GWA/GLA]

The mold clamping surface must be parallel to the IMM platen. If the clamping surface has a bump or is not flat, excessive force will be applied to the clamp. It may deform the clamp body and the clamp piston, resulting in falling of the mold and injury.



Hydraulic Clamping System

Hydraulic Clamp

iydraulic Clamp

Hydraulic Unit

Valve Unit

Air Valve Unit

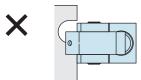
Operational Panel Control Unit

Auto Coupler

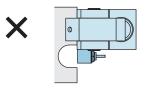
Cautions Others

- 8) Make sure there is no notch such as U-cut on the clamping area of the mold.
- If there are U-cuts (notches) on the clamping area of a mold, the clamp will not be able to operate properly, leading to falling of the mold and injury.

For use of molds with U-cuts (notches) , please contact us.



- 9) Make sure there is no notch such as U-cut on the mold surface where the mold confirmation proximity switch contacts.
- The mold confirmation proximity switch does not operate properly if there are U-cuts (notches) on the mold surface where the mold confirmation proximity switch contacts.



10) Make sure that advance/retraction of the clamp is smoothly conducted

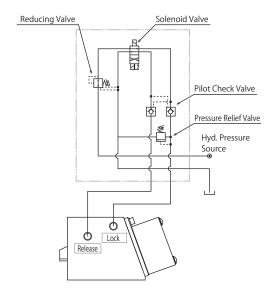
- GBE/GBF/GBR/GLA
- ① Supply more than 0.4MPa air pressure to air cylinder.
- ② Adjust the moving speed of the clamp with speed controllers to fully stroke within 1 to 2 seconds.
- ③ Proximity switch is used for forward-end confirmation. Make sure the mold surface on the switch side has no U-cut.
- ④ The clamp sliding surface must be smooth (without any bumps).
- 11) Interlock
- Make sure to control with the interlock so that clamps lock or release only when IMM is at mold close (pressurized) state.

12) Design the hydraulic circuit carefully.

• [GWA/GLA]

When designing the hydraulic circuit, make sure to install a check valve in the circuit. Install a pressure relief valve in case the oil temperature in the circuit increases while clamping, since the pressure may exceed the value in the specification. Clamp damage may lead to falling of a mold and injury.

[Reference Circuit]



13) Control the solenoid valve carefully.

• [GWA/GLA]

When controlling the solenoid valve, always energize the excitation circuits. If not energize the excitation circuits, it may be switched by unexpected causes resulting in falling of a mold and iinjury.

14) Clamp control

• [GWA/GLA]

A micro switch of mechanical interface is used for confirming the lock/release operation. It may happen to disconnect the connection of the switch caused by vibration during the machine running.

It is recommended to install an off-delay timer in the control circuits of the program.

Cautions

Installation Notes

- 1) Prevent the clamps dropping out from the T slot. 【GBB/GBC/GBE/GBF/GLA】
- Fall of the clamp will lead to injury.



- 2) Check the Usable Fluid.
- Use the appropriate fluid by referring to the Hydraulic Fluid List. Please contact us when using fluid which is not on the list.
- 3) Pocedure before piping
- The pipeline and piping connector should be cleaned by thorough flushing. The dust and cutting chips in the circuit may lead to fluid leakage and malfunction.
 (The filter which removes contaminant in the hydraulic piping or hydraulic system is not provided.)
- 4) Please supply filtered clean dry air.
- Install an air filter/air dryer in order to prevent rust and dirt. Otherwise it may lead to malfunction.
- 5) Applying Sealing Tape
- Wrap with tape 1 to 2 times following the screwing direction. When piping, be careful that contaminants such as sealing tape do not enter in products. Pieces of the sealing tape can lead to fluid leakage and malfunction.
- 6) Installation of the Clamp

【GBE/GBF/GLA】

After setting the clamp in the T-slot, use attached hex. socket bolts and tighten them with the torque shown below.

Model No.	Bolt Size	Tightening Torque (N·m)
GBE/GBF025	M5×0.8	6.3
GBE/GBF040	M5×0.8	6.3
GBE/GBF063	M6×1	10
GBE/GBF100	M8×1.25	25
GBE/GBF160	M10×1.5	50
GBE/GBF250	M12×1.75	80
GBE/GBF400	M16×2	200
GBE/GBF500	M16×2	200
Model No.	Bolt Size	Tightening Torque (N · m)
GLA160	M12×1.75	80
GLA250	M16×2	200
GLA400	M20×2.5	400
GLA500	M20×2.5	400

【GBM/GBR】

After setting the clamp, use attached hex. socket bolts and tighten them with the torque shown below.

Model No.	Bolt Size	Tightening Torque (N·m)
GBM/GBR025	M12×1.75	80
GBM/GBR040	M16×2	200
GBM/GBR063	M20×2.5	400
GBM/GBR100	M24×3	630
GBM/GBR160	M30×3.5	1250

[GWA]

Use attached hex. socket bolts and tighten them with the torque shown below.

Model No.	Bolt Size	Tightening Torque (N · m)
GWA010	M8×1.25	6.3
GWA016	M10×1.5	6.3
GWA025	M12×1.75	10
GWA040	M16×2	25
GWA063	M20×2.5	50
GWA100	M24×3	80
GWA160	M20×2.5	200
GWA250	M24×3	200
CWA400	M30×3.5 1250 (800)	
GWA400		(800)
GWA500	M33×3.5	1600
GWASUU	0.5225	(1000)

Note: The table shows tightning torque when bolts and screw parts are dry.

Values in brackets indicate values when the bolt seating surfaces and screw parts are lubricated with grease.

- 7) Piping and Wiring
- For piping and wiring, make sure not to cut the hydraulic hoses and wiring by the clamp when it moves back and forth.
- 8) Air Bleeding of the Hydraulic Circuit
- Excessive air in the hydraulic circuit may result in insufficient clamping force or a longer operating time.
 If air enters the circuit after connecting the pipes or when the oil tank is empty, bleed air at the ends of the pipes.
- 9) Wiring of Forward End Confirmation Switch
- For wiring, please make sure that the clamp does not cut the code of Forward End Confirmation Switch when it moves back and forth.



Hydraulic Clamping System

Hydraulic Clamp

Hydraulic Unit

Valve Unit

Air Valve Unit

Operational Panel Control Unit

Auto Coupler

Cautions Others

Hydraulic Fluid List

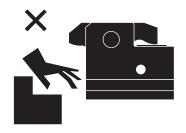
ISO Viscosity Grade ISO-VG-3		
Maker	Anti-Wear Hydraulic Oil	Multi-Purpose Hydraulic Oil
Showa Shell Sekiyu	Tellus S2 M 32	Morlina S2 B 32
Idemitsu Kosan	Daphne Hydraulic Fluid 32	Daphne Super Multi Oil 32
JX Nippon Oil & Energy	Super Hyrando 32	Super Mulpus DX 32
Cosmo Oil	Cosmo Hydro AW32	Cosmo New Mighty Super 32
ExxonMobil	Mobil DTE 24	Mobil DTE 24 Light
Matsumura Oil	Hydol AW-32	
Castrol	Hyspin AWS 32	

Note : Please contact manufacturers when customers require products in the list above.

Cautions

Notes on Handling

- 1) Close the mold after molding is completed.
- Failure to do so may result in mold dropping and injury.
- 2) Do not disassemble or modify the air cylinder.
- Built-in spring is very strong and can be dangerous.
 If the equipment is taken apart or modified, the warranty will be voided even within the warranty period.
- 3) It should be handled by qualified personnel.
- The hydraulic/pneumatic equipment should be handled and maintained by qualified personnel.
- 4) Do not handle or remove the product unless the safety protocols are ensured.
- ① The machine and equipment can only be inspected or prepared when it is confirmed that the preventive devices are in place.
- ② Before removing the product, make sure that the above-mentioned safety measures are in place. Shut off the pressure and power source, and make sure no pressure exists in the hydraulic circuits.
- ③ After stopping the product, do not remove until the equipment cools down.
- ④ Make sure there is no abnormality in the bolts and respective parts before restarting the machine or equipment.
- Do not apply load to the clamp when at OMPa. [GWA/GLA]
- In case of hydraulic source trouble, the clamp has holding force with mechanical lock even when hydraulic pressure is at 0MPa. However, do not apply load on the clamp at this state.
- 6) Do not touch clamps while they are working.
- Otherwise, your hands may be injured.



- 7) When changing a mold width, make sure to check the allowable protrusion amount.
- If using it with beyond allowable protrusion amount, excessive force is applied to the clamp which deforms or damages the clamp resulting in falling of the mold and injury. It may cause product malfunction or deterioration, which may lead to an accident.

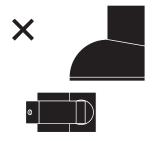
- Hold the clamp body when moving and removing the clamp.
 [GBB/GBC/GBM]
- Pulling on a hose leads to a clamp fall and injury. Also, rivet part of the hose will be loosened leading to fluid leakage.



- 9) Do not pour water or oil over the product.
- It may lead to malfunction or deterioration of the product and cause an accident.



- 10) Do not disassemble or modify.
- If the product is taken apart or modified, the warranty will be voided even within the warranty period.
- 11) Do not apply excessive force to clamps.
- The clamp may be damaged or deformed, resulting in malfunction.





Hydraulic Clamping System

Hydraulic Clamp

Hydraulic Unit

Valve Unit

Air Valve Unit

Operational Panel Control Unit

Auto Coupler

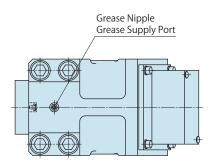
Cautions Others

Maintenance and Inspection

- 1) Removal of the Product and Shut-off of Pressure Source
- Before removing the product, make sure that the safety measures mentioned earlier are in place. Shut off the pressure and power source, and make sure no pressure exists in the air/hydraulic circuits. Also, make sure there is no abnormality in the bolts and

respective parts before restarting.

- 2) Lubricate grease periodically. 【GWA/GLA】
- Lubricate grease from the grease nipple periodically (once a year is recommended) to maintain clamp performance.
 Especially when process water often splashes on the clamps, release operation failure is likely to occur.
 In such cases, lubricate the clamps with grease more frequently than recommended, if necessary.



If release operation failure should occur, it is effective to lubricate grease and repeat lock and release actions of the clamp 2 to 3 times without the mold.

- 3) Regularly tighten pipes and mounting bolts to ensure proper use.
- 4) Periodically ensure that the supply hydraulic/air pressure is a specified value.
- 5) Make sure the hydraulic fluid has not deteriorated.
- 6) Make sure there is a smooth action without an irregular noise. (Especially when it is restarted after left unused for a long period, make sure it operates correctly.)
- 7) The products should be stored in the cool and dark place without direct sunshine or moisture.
- 8) Please contact us for overhaul and repair.

Warranty

- 1) Warranty Period
- The product warranty period is 18 months from shipment from our factory or 12 months from initial use, whichever is earlier.

2) Warranty Scope

- If the product is damaged or malfunctions during the warranty period due to faulty design, materials or workmanship, we will replace or repair the defective part at our expense.
 Defects or failures caused by the following are not covered.
- ① If the stipulated maintenance and inspection are not carried out.
- ② If the product is used while it is not suitable for use based on the operator's judgment, resulting in defect.
- ③ If it is used or operated in an inappropriate way by the operator. (Including damage caused by the misconduct of the third party.)
- ④ If the defect is caused by reasons other than our responsibility.
- (5) If repair or modifications are carried out by anyone other than Kosmek, or without our approval and confirmation, it will void warranty.
- ⑥ Other caused by natural disasters or calamities not attributable to our company.
- ⑦ Parts or replacement expenses due to parts consumption and deterioration.

(Such as rubber, plastic, seal material and some electric components.)

Damages excluding from direct result of a product defect shall be excluded from the warranty.



Sales Offices

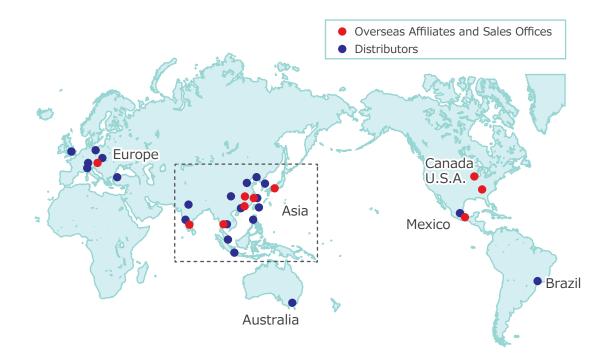
Sales Offices across the World

Japan	KOSMEK LTD. HEAD OFFICE	TEL. +81-78-991-5162 FAX. +81-78-991-8787 1-5, 2-chome, Murotani, Nishi-ku, Kobe-city, Hyogo, Japan 651-2241
USA	KOSMEK (USA) LTD. Overseas Affiliate	TEL. +1-630-620-7650 FAX. +1-630-620-9015 650 Springer Drive, Lombard, IL 60148 USA
USA	KOSMEK (USA) LTD. Atlanta Branch Office	TEL. +1-708-577-3275 303 Perimeter Center North, Suite 300, Atlanta, GA 30346 USA
Mexico	KOSMEK (USA) LTD. Mexico Branch Office	TEL. +52-1-55-3044-9983 Av. Santa Fe 103, Int. 59, col. Santa Fe Juriquilla, Queretaro, QRO, 76230, Mexico
Europe	KOSMEK EUROPE GmbH Overseas Affiliate	TEL. +43-463-287587 FAX. +43-463-287587-20 Schleppeplatz 2 9020 Klagenfurt am Wörthersee Austria
	KOSMEK (CHINA) LTD. Overseas Affiliate	TEL.+86-21-54253000 FAX.+86-21-54253709 Room601, RIVERSIDE PYRAMID No.55, Lane21, Pusan Rd, Pudong Shanghai 200125, China
China	KOSMEK (CHINA) LTD. Dongguan Office Overseas Affiliate (Sales Office)	TEL.+86-769-85300880 Room301, AcerBuilding No.15, Dezheng(W)Road, Changan Town Dongguan Guangdong 523843., P.R.China
	KOSMEK (CHINA) LTD. Wuhan Office Overseas Affiliate (Sales Office)	TEL.+86-27-59822303 Room502, Building A, Jingkai Future City, Zhuankou Economic Development Zone, Wuhan City, Hubei Province, 430050 China
India	KOSMEK LTD INDIA Branch	TEL. +91-9880561695 4A/Old No:649, Ground Floor, 4th D cross, MM Layout, Kavalbyrasandra, RT Nagar, Bangalore -560032 India
Thailand	KOSMEK Thailand Representative Office Representative Office	TEL. +66-2-300-5132 FAX. +66-2-300-5133 67 Soi 58, RAMA 9 Rd., Phatthanakan, Suanluang, Bangkok 10250, Thailand
Taiwan	FULL LIFE TRADING CO., LTD. Taiwan Exclusive Distributor	TEL. +886-2-82261860 FAX. +886-2-82261890 16F-4, No.2, Jian Ba Rd., Zhonghe District, New Taipei City Taiwan 23511
Philippines	G.E.T. Inc, Phil. Philippines Exclusive Distributor	TEL.+63-2-310-7286 FAX. +63-2-310-7286Victoria Wave Special Economic Zone Mt. Apo Building, Brgy. 186, North Caloocan City, Metro Manila, Philippines 1427
Indonesia	PT. Yamata Machinery Indonesia Exclusive Distributor	TEL. +62-21-29628607 FAX. +62-21-29628608 Delta Commercial Park I, Jl. Kenari Raya B-08, Desa Jayamukti Kec. Cikarang Pusat Kab. Bekasi 17530 Indonesia

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Head Office Osaka Sales Office Overseas Sales	TEL. 078-991-5162 FAX. 078-991-8787 1-5, 2-chome, Murotani, Nishi-ku, Kobe-city, Hyogo, 651-2241, Japan
Tokyo Sales Office	TEL. 048-652-8839 FAX. 048-652-8828 81, 4-chome, Onari-cho, Kita-ku, Saitama City, Saitama, 331-0815, Japan
Nagoya Sales Office	TEL. 0566-74-8778 FAX. 0566-74-8808 10-1, 2-chome, Misono-cho, Anjo City, Aichi, 446-0076, Japan
Fukuoka Sales Office	TEL. 092-433-0424 FAX. 092-433-0426 8-10-101, 1-chome, Kamimuta, Hakata-ku, Fukuoka City, Fukuoka, 812-0006, Japan

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