

Operational Panel / Control Unit

Model YMB080



Mold Change Operational Panel with User-Friendly Controls

Separated operational panel and control unit enable flexibility when selecting installation methods.

Model No. Indication

YMB08 0 - V GE 10 - Y

1 2 3 4 5 6

1 Design No.

Revision Number

2 Mold Change Method

V : Vertical Mold Change System

3 Applicable Clamp Model No.

GB : GKB / GKC Clamp

GE : GKE / GKF Clamp

4 Pressure Source

10 : With Pressure Switch in the Clamp Circuit

5 Mold Confirmation Limit Switch

Blank : None

E : With Mold Confirmation Limit Switch

H : With Mold Confirmation Limit Switch
(When using 6 - 8 pcs. on the one side)

6 Language of Operation Panel

Blank : Standard (Operation Panel in Japanese)

N : Operation Panel in English

C : Operation Panel in Chinese

Specifications

Model No.	YMB080-V□□10-Y□	
Hydraulic Source	Kosmek Hydraulic Unit	
Control Unit Voltage	DC24V (Supplied with the attached power supply.)	
Attached Power Supply	PS Pressure	AC100 ~ 240V (50/60Hz)
	PS Capacity	30W
Abnormal High Pressure Confirmation	The pressure switch, which is built in the hydraulic unit, detects a sudden temperature increase and an abnormal mold opening force.	
One Cycle Stop Signal	When an abnormal high pressure is detected, the alarm activates in conjunction with the flashing of the "Error" and "High Pressure Error" lamps on the control unit and send a "One Cycle Stop Signal" to the die casting machine.	

Notes : 1. Requested specifications other than those listed above will be treated as custom made.
 2. Signals are sent and received via dry contacts.
 3. The molding machine output contact should be for fine current (DC24V / 10mA).
 4. The output contact of Operational Panel / Control Unit is DC24V/0.5A.
 5. Molding machine terminology may differ depending on machine manufacturers.

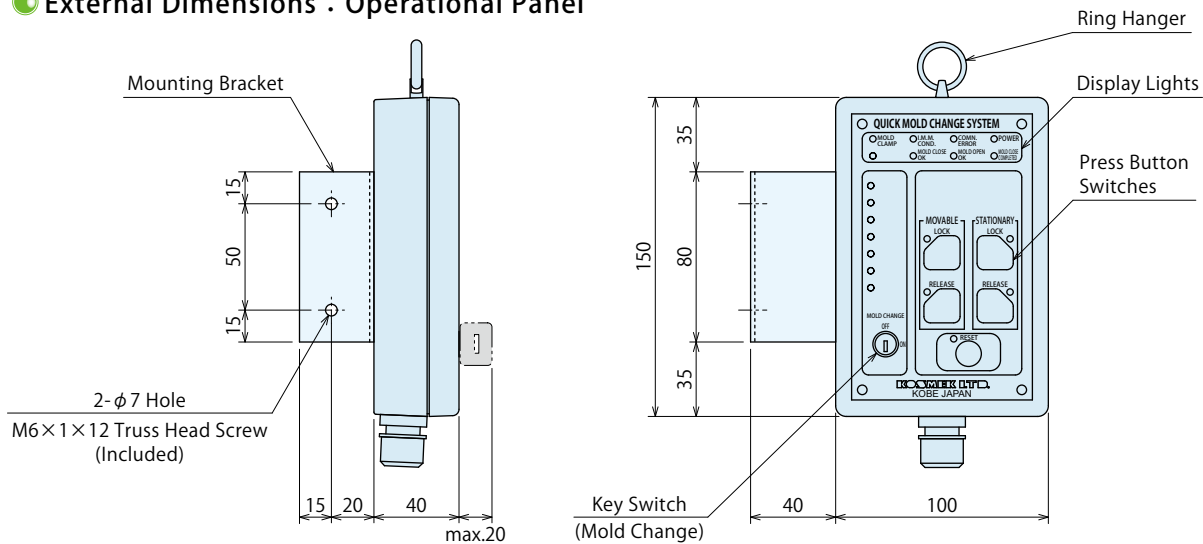
● Interlock Input and Output

Machine Output	Contents
Mold Change Mode※1	A signal that ensures the machine is in low-speed Mold Change Mode.
Mold Closed (Pressurized)※1	A signal that ensures the mold is completely closed. Prohibit the release operation while the mold is open to prevent the mold from falling.
Ejector Back	A signal that ensures the ejector is in the back position to prevent damage to the ejector when unloading the mold.
C-Plate Clamp Released	A signal that indicates the c-plate clamp is in a released state. This prevents damage of the clamp when unloading a mold.
Safety Door Closed	A signal that indicates the safety door is completely closed. This ensures safe operation during mold change.
Machine Input	Contents
Mold Open OK ※1	A signal that indicates the clamping system is ready for mold opening.
Mold Close OK ※1	A signal that indicates the clamping system is ready for mold closing.
Mold Change "ON" ※1	A signal that indicates the clamp system is in "Mold Change Mode".
Clamp Error ※1	When an error in the clamp circuit occurs, this signal is sent to make an emergency stop of the machine.
One Cycle Stop ※1	A signal that indicates abnormal force against the clamp during molding. After one cycle of the machine, the machine is stopped.
Movable Side Locked	A signal that enables the operation of the C-plate clamp when clamps on the movable side are locked.

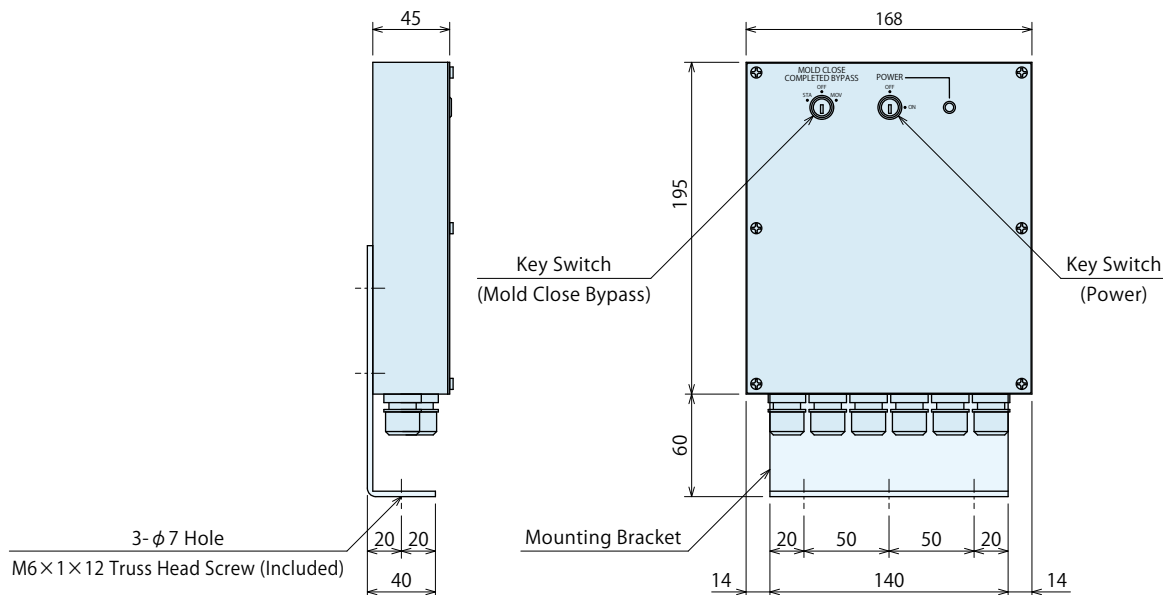
Note :

※1. The above signals are the standard input and output interlocks. Please contact us for other interlocks.

● External Dimensions : Operational Panel



● External Dimensions : Control Unit



Notes :

1. The bracket can be mounted in any direction.
2. The bracket is shipped mounted as shown in the drawings above.

Hydraulic Clamp

Hydraulic Unit

Operational Control Unit

Cautions Company Profile

Hydraulic Clamp

GKB

GKC

GKE

GKF

Hydraulic Unit

CTB

CTD

CTC

CTE

CUC

CUE

Air Valve Unit

MV

Operational Control Unit

YMB080

Cautions

Notes on Design

Installation Notes

Hydraulic Fluid List

Notes on Hyd. Cylinder Speed Control Circuit

Notes on Handling

Maintenance/Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and Industrial Robot Related Products

Company Profile

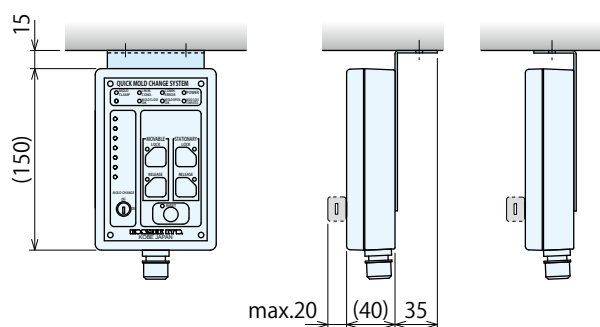
Company Profile

History

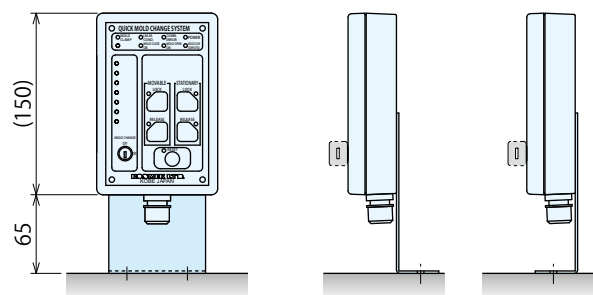
Sales Offices

● Mounting Method : Operational Panel

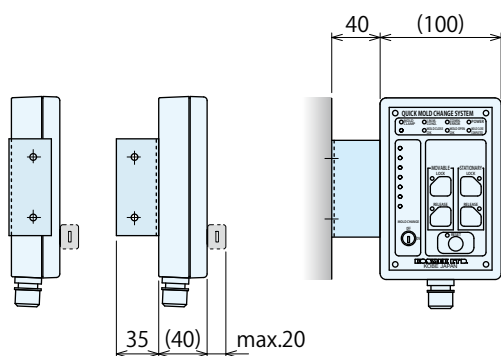
Top Mounted



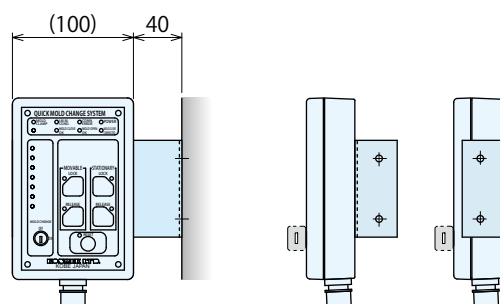
Bottom Mounted



Left Mounted

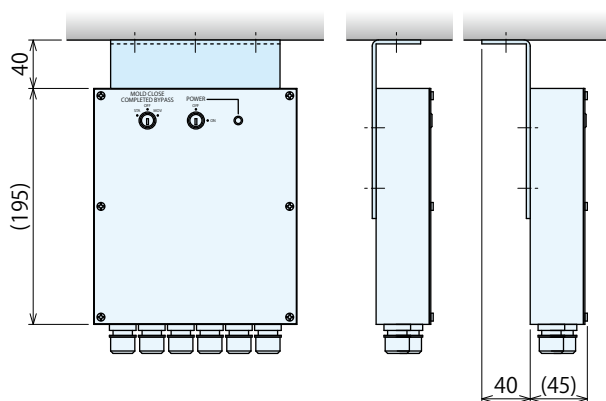


Right Mounted

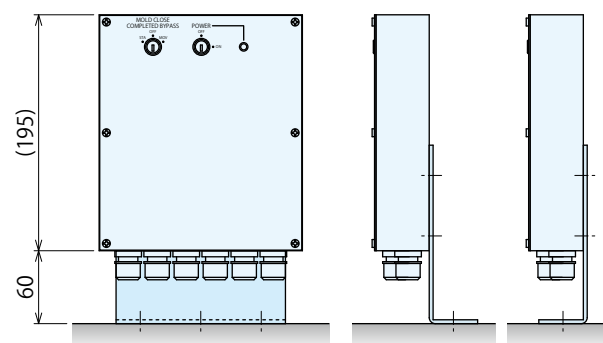


● Mounting Method : Control Unit

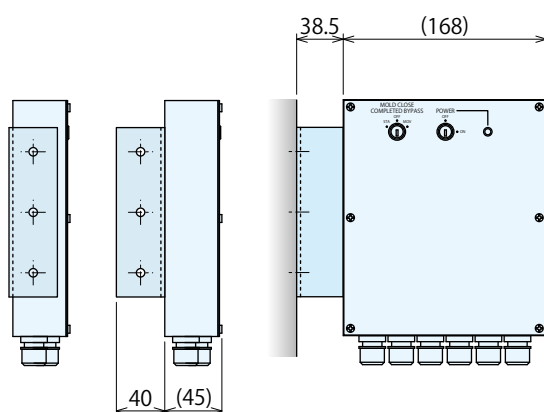
Top Mounted



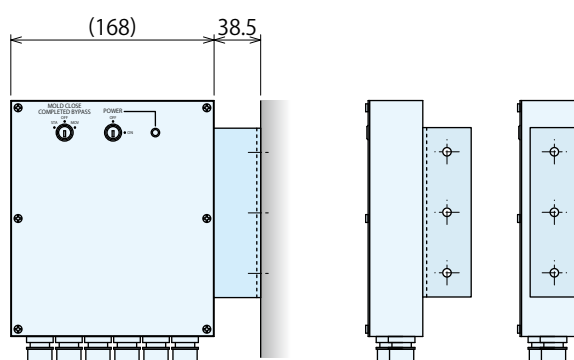
Bottom Mounted



Left Mounted



Right Mounted

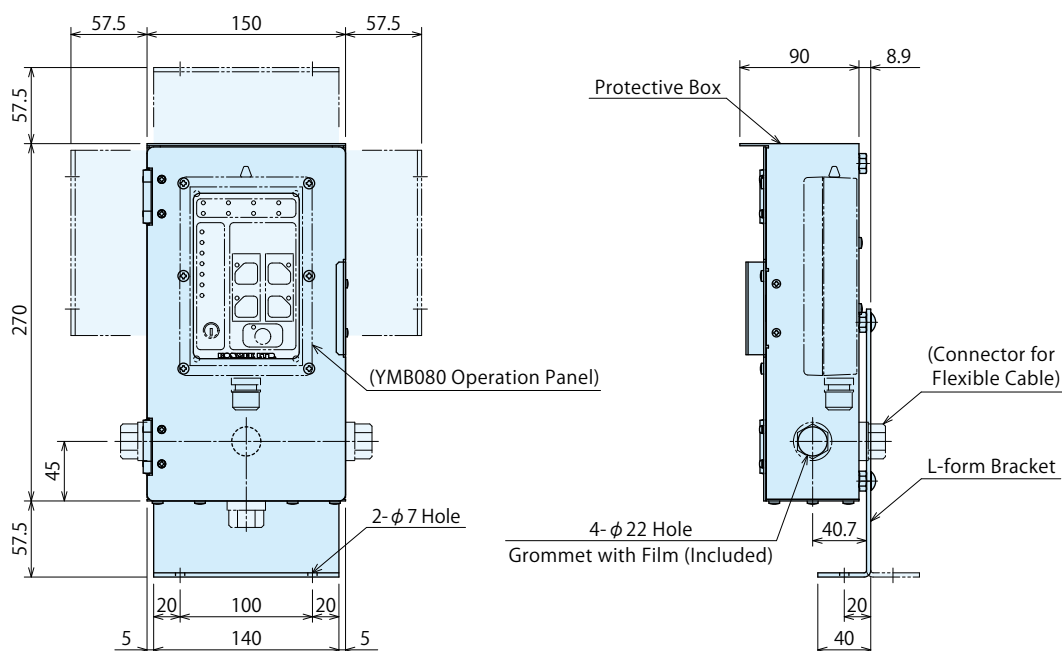


● Accessory : Protection Box for Operation Panel

Model No. Indication

YZ0520-P1

External Dimensions



Notes :

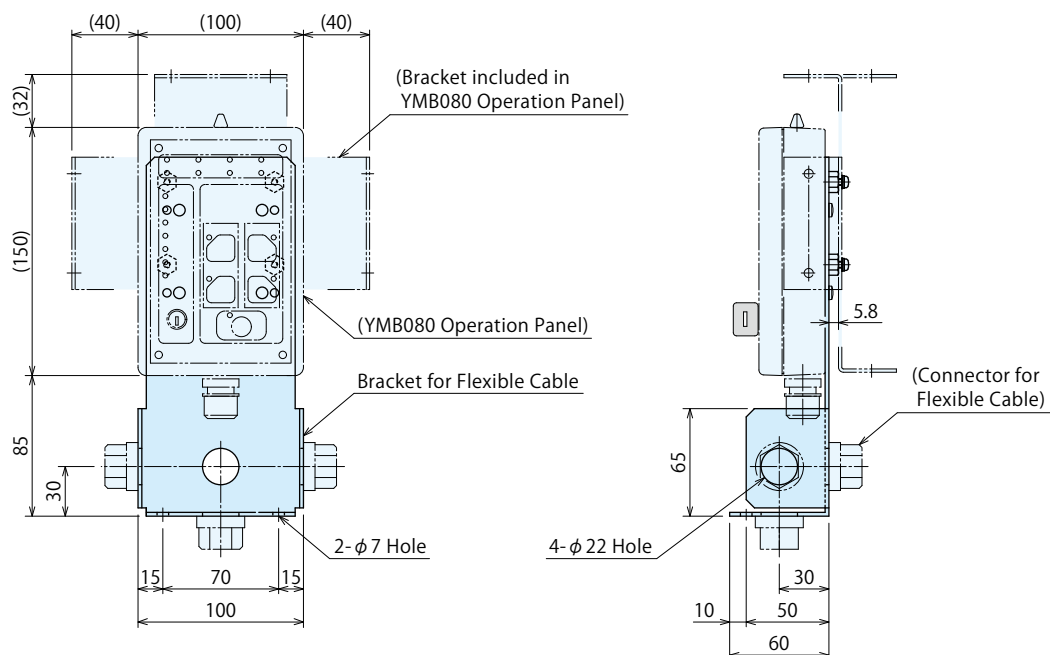
1. L-form bracket can be mounted in any direction.
2. This product does not include YMB080 Operation Panel and Connector for Flexible Cable.
3. This product is not dust-proof.

● Accessory : Bracket for Flexible Cable for Operation Panel

Model No. Indication

YZ0520-P2

External Dimensions



Notes :

1. Attached Bracket for YMB080 Operation Panel can be installed in this product.
2. This product does not include YMB080 Operation Panel and Connector for Flexible Cable.
3. This product is not dust-proof.

Hydraulic Clamp

Hydraulic Unit

**Operational
Control Unit**

 Cautions
Company Profile

Hydraulic Clamp

GKB

GKC

GKE

GKF

Hydraulic Unit

CTB

CTD

CTC

CTE

CUC

CUE

Air Valve Unit

MV

**Operational
Control Unit**

YMB080

Cautions

Notes on Design

Installation Notes

Hydraulic Fluid List

Notes on Hyd. Cylinder

Speed Control Circuit

Notes on Handling

Maintenance/

Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and
Industrial Robot
Related Products

Company Profile

Company Profile

History

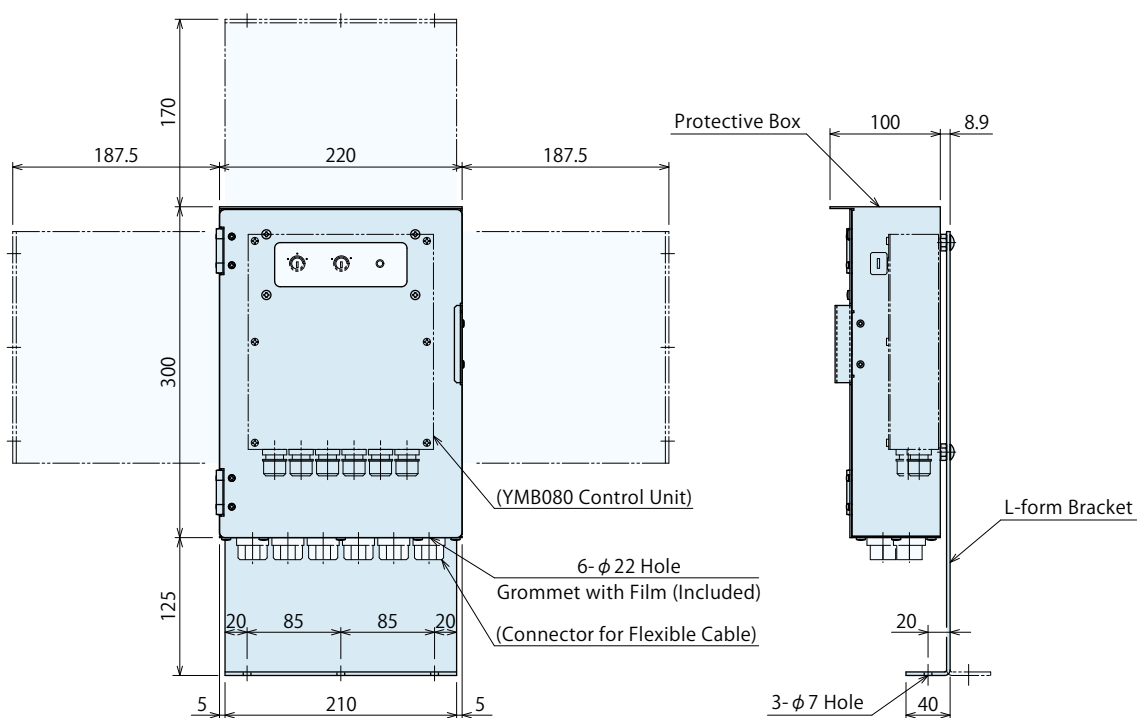
Sales Offices

● Accessory : Protection Box for Control Unit

Model No. Indication

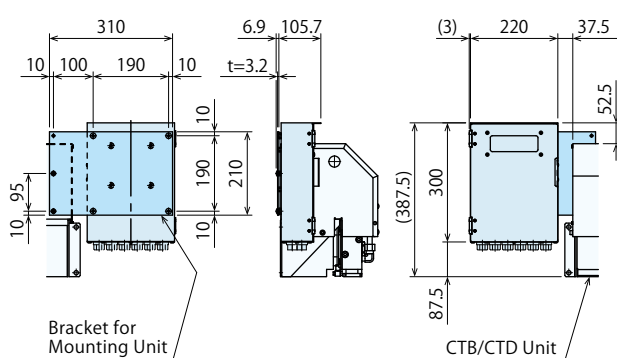
YZ0520-U1

External Dimensions

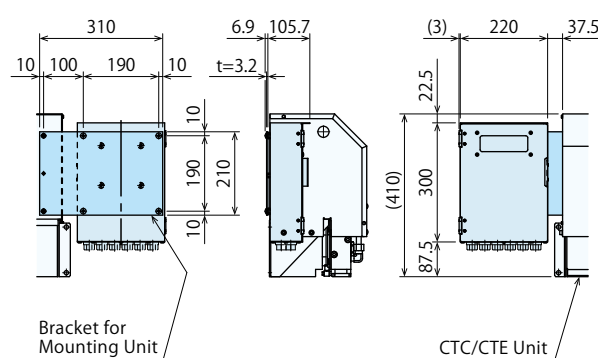


Examples of Mounting to Kosmek Hydraulic Unit

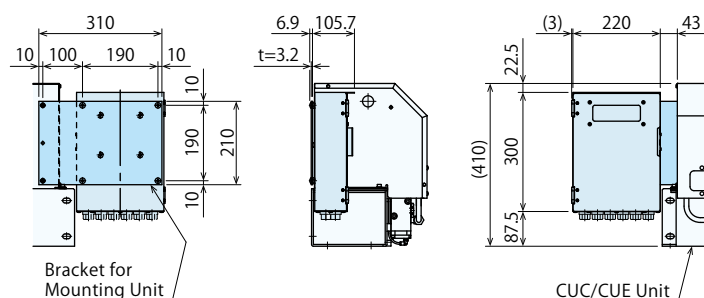
Hydraulic Unit : CTB/CTD



Hydraulic Unit : CTC/CTE



Hydraulic Unit : CUC/CUE



Notes :

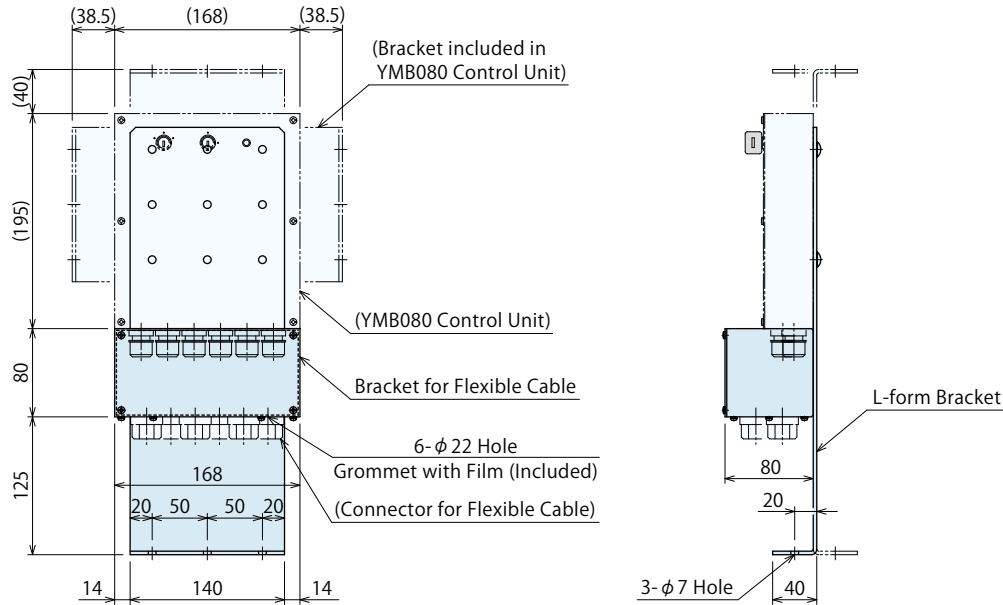
1. L-form bracket can be mounted in any direction.
2. This product does not include YMB080 Operation Panel and Connector for Flexible Cable.
3. This product is not dust-proof.

● Accessory : Bracket for Flexible Cable for Control Unit

Model No. Indication

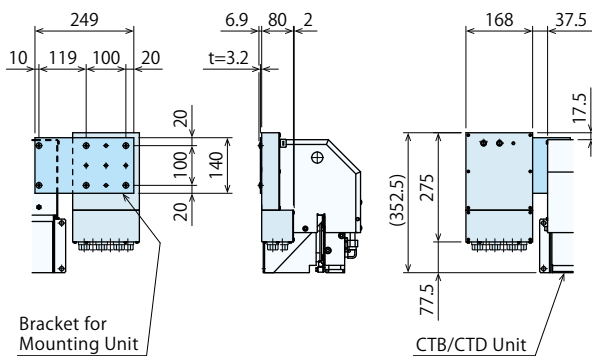
YZ0520-U2

External Dimensions

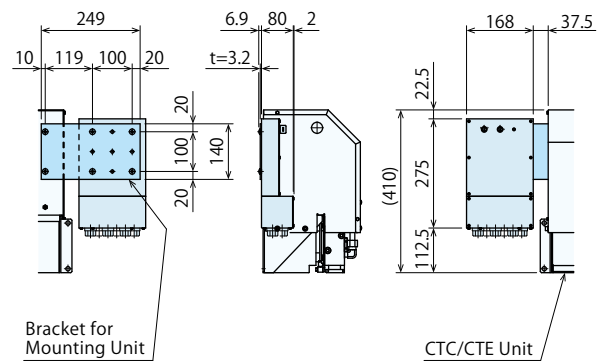


Examples of Mounting to Kosmek Hydraulic Unit

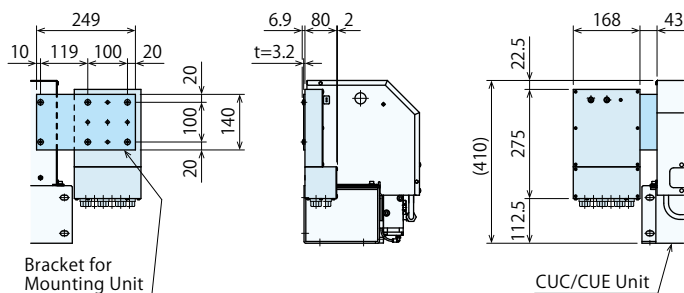
Hydraulic Unit : CTB/CTD



Hydraulic Unit : CTC/CTE



Hydraulic Unit : CUC/CUE



Notes :

1. L-form bracket can be mounted in any direction.
2. This product does not include YMB080 Operation Panel and Connector for Flexible Cable.
3. This product is not dust-proof.

Hydraulic Clamp

Hydraulic Unit

Operational
Control Unit

Cautions
Company Profile

Hydraulic Clamp

GKB

GKC

GKE

GKF

Hydraulic Unit

CTB

CTD

CTC

CTE

CUC

CUE

Air Valve Unit

MV

Operational
Control Unit

YMB080

Cautions

Notes on Design

Installation Notes

Hydraulic Fluid List

Notes on Hyd. Cylinder

Speed Control Circuit

Notes on Handling

Maintenance/

Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and
Industrial Robot
Related Products

Company Profile

Company Profile

History

Sales Offices

Cautions

Notes for Design

1) Check Specifications

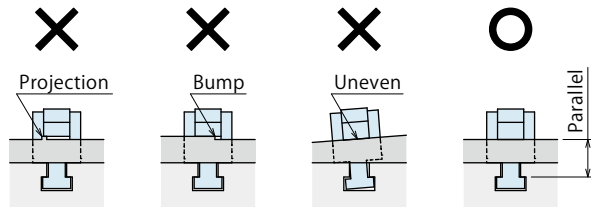
- Please use each product according to its specifications.
- Operating hydraulic pressure is 25 MPa.
Do not use clamps with excessive operating pressure.
Falling down of the mold due to the damage on clamps leads to injury accident. In order to reduce clamping force, use them with lower operating pressure.

2) Check the thickness of the mold clamping part.

- Please check the thickness of the mold clamping part.
If using molds other than specified, clamps cannot conduct locking action properly leading to injury accident.

3) The mold clamping surface and T-slot must be parallel to mounting surface of the mold.

- If a clamping surface is not even or parallel, excessive force will be applied to the clamp and it will deform the main body and the lever of the clamp resulting in falling off of the clamp and injury accident.



4) Make sure that advance/retraction of the clamp is smoothly conducted. (model GKE / GKF)

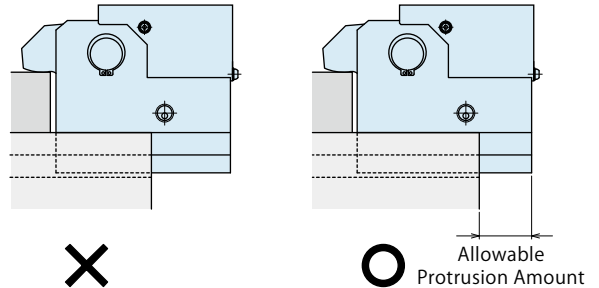
- Please control air cylinder for slide with 2-position double solenoid (with detent).
- Supply more than 0.4MPa air pressure to air cylinder.
- Please adjust the moving speed of the clamp with speed controller to fully stroke within 1 to 2 seconds.
- Do not set the limit switch to the mold surface near the U-slot, because it is used as forward-end detection.
- The clamp sliding surface must be smooth (without any bumps).

5) Make sure that dust, sand, cutting chips or blank pieces do not enter the clamp.

- Clamp does not operate smoothly and may be damaged.

6) When the clamp cylinder sticks out of U-slot or T-slot, please use it within the allowable protrusion amount.

Model GKB / GKC / GKE / GKF



Allowable Protrusion Amount

Model No.	Allowable Protrusion Amount (mm)
GKB0100 / GKC0100	17.5
GKB0160 / GKC0160	21
GKB0250 / GKC0250	25
GKB0400 / GKC0400 / GKE0400 / GKF0400	32
GKB0630 / GKC0630 / GKE0630 / GKF0630	39
GKB1000 / GKC1000 / GKE1000 / GKF1000	45
GKB1600 / GKC1600 / GKE1600 / GKF1600	57
GKB2500 / GKC2500 / GKE2500 / GKF2500	69.5
GKB4000 / GKC4000 / GKE4000 / GKF4000	0
GKB5000 / GKC5000 / GKE5000 / GKF5000	0

● Installation Notes

- 1) Check the fluid to use.
 - Use the appropriate fluid by referring to the Hydraulic Fluid List.
 - If using hydraulic oil having viscosity higher than viscosity grade ISO-VG-32, action time will be longer.
 - If using it at low temperature, action time will be longer because the viscosity of hydraulic oil becomes higher.

2) Preparation before piping

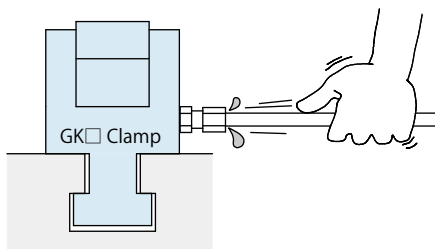
- The pipeline, piping connector and fixture circuits should be cleaned by thorough flushing. The dust and cutting chips in the circuit may lead to fluid leakage and malfunction. (The filter which removes contaminant in the hydraulic piping or hydraulic system is not provided.)

3) 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 air leaks and malfunction.

4) Air Bleeding of the Hydraulic Circuit

- If the hydraulic circuit has excessive air, the action time may become very long. If air enters the circuit after connecting the hydraulic port or under the condition of no air in the oil tank, please perform the following steps.
 - ① Reduce hydraulic supply pressure to less than 2MPa.
 - ② Loosen the cap nut of pipe fitting closest to the clamp by one full turn.
 - ③ Shake the pipeline to loosen the outlet of pipe fitting. Hydraulic fluid mixed with air comes out.



- ④ Tighten the cap nut after air bleeding.
- ⑤ It is more effective to release air at the highest point inside the circuit or at the end of the circuit.

5) Checking Looseness and Retightening

- At the beginning of the machine installation, the bolt/nut may be tightened lightly. Check torque and re-tighten as required.

6) Installation of the Clamp

- After setting the clamp in the T-slot, use attached hex. socket bolts and tighten them with the torque shown below (model GKE/GKF).

Model No.	Thread Size	Tightening Torque (N·m)
GKE0400 / GKF0400	M5×0.8	6.3
GKE0630 / GKF0630	M6×1	10
GKE1000 / GKF1000	M8×1.25	25
GKE1600 / GKF1600	M10×1.5	50
GKE2500 / GKF2500	M12×1.75	80
GKE4000 / GKF4000	M16×2	200
GKE5000 / GKF5000	M16×2	200

7) Wiring of the Forward-End Confirmation Switch

- Make sure there is enough slack in the wire so that the clamp can complete the sliding action without putting tension on the wire.

● Hydraulic Fluid List

- Please use appropriate fluid referring to the fluid lists below.
- Select the same fluid as Fluid Code of hydraulic clamp and unit.

● General Hydraulic Oil

ISO Viscosity Grade ISO-VG-32

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	—

● Water · Glycol

ISO Viscosity Grade ISO-VG-32

Maker	Water · Glycol
JX Nippon Oil & Energy	Hyrando FRZ32
Cosmo Oil	Cosmo Fluid HQ46
Matsumura Oil	Hydol HAW32

● Silicon Oil

ISO Viscosity Grade ISO-VG-68

Maker	Silicon Oil
Shin-Etsu Chemical	KF-50-100cs

● Fatty Acid Ester

Maker	Fatty Acid Ester	ISO Viscosity Grade
Showa Shell Sekiyu	Shell Iru Fluids DU56	(ISO-VG-56)
Idemitsu Kosan	Firgist ES	ISO-VG-68
JX Nippon Oil & Energy	Hyrando SS56	(ISO-VG-56)
Cosmo Oil	Cosmo Fluid E46	ISO-VG-46
Nippon Quaker Chemical	Quintolubric 822-200	ISO-VG-46

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

Hydraulic Clamp

Hydraulic Unit

Operational Control Unit

Cautions Company Profile

Hydraulic Clamp

GKB
GKC
GKE
GKF

Hydraulic Unit

CTB
CTD
CTC
CTE
CUC
CUE

Air Valve Unit

MV

Operational Control Unit

YMB080

Cautions

Notes on Design

Installation Notes

Hyd. Fluid List

Notes on Hyd. Cylinder Speed Control Circuit

Notes on Handling

Maintenance/ Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and Industrial Robot Related Products

Company Profile

Company Profile

History

Sales Offices

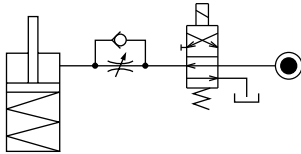
● Notes on Hydraulic Cylinder Speed Control Unit



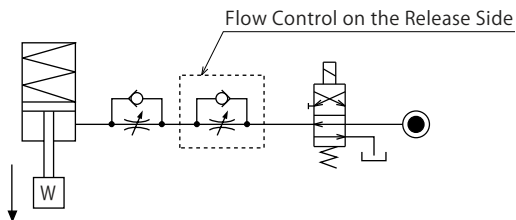
Please pay attention to the cautions below. Design the hydraulic circuit for controlling the action speed of hydraulic cylinder. Improper circuit design may lead to malfunctions and damages. Please review the circuit design in advance.

● Flow Control Circuit for Single Acting Cylinder

For spring return single acting cylinders, restricting flow during release can extremely slow down or disrupt release action. The preferred method is to control the flow during the lock action only using a flow control valve with a check valve. It is also preferred to provide a flow control valve at each actuator.



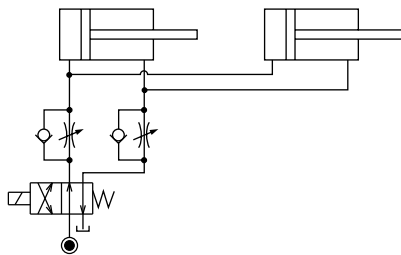
If a load is applied in the direction of release action during release, which may damage the cylinder, use a flow control valve with a check valve to control the flow rate on the release side as well.



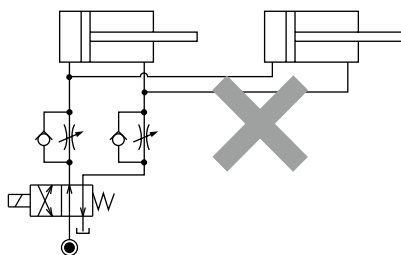
● Flow Control Circuit for Double Acting Cylinder

Flow control circuit for double acting cylinder should have meter-out circuits for both the lock and release sides. Meter-in control can have adverse effect by presence of air in the system.

【Meter-out Circuit】

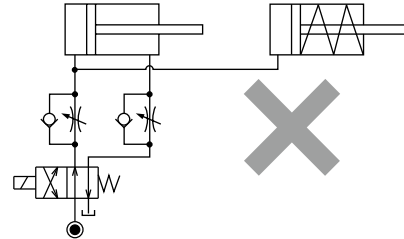


【Meter-in Circuit】



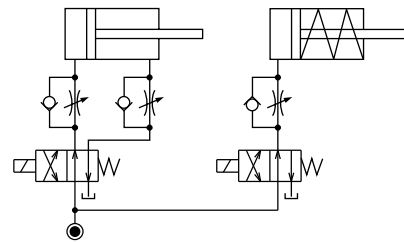
In the case of meter-out circuit, the hydraulic circuit should be designed with the following points.

- ① Single acting components should not be used in the same flow control circuit as the double acting components. The release action of the single acting cylinders may become erratic or very slow.

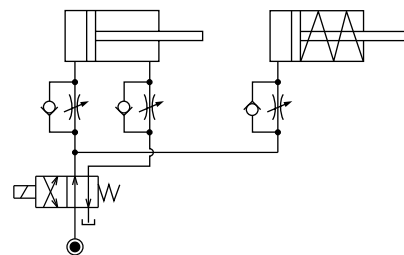


Refer to the following circuit when both the single acting cylinder and double acting cylinder are used together.

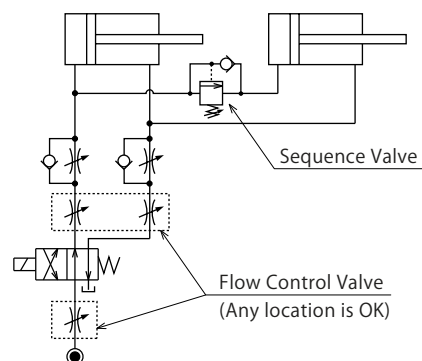
- Separate the control circuit.



- Reduce the influence of double acting cylinder control unit. However, due to the back pressure in tank line, single acting cylinder is activated after double acting cylinder works.



- ② In the case of meter-out circuit, the inner circuit pressure may increase during the cylinder action because of the fluid supply. The increase of the inner circuit pressure can be prevented by reducing the supplied fluid beforehand via the flow control valve. Especially when using sequence valve or pressure switches for clamping detection. If the back pressure is more than the set pressure then the system will not work as it is designed to.



Hydraulic Clamp

Hydraulic Unit

Operational Control Unit

Cautions Company Profile

Hydraulic Clamp

GKB

GKC

GKE

GKF

Hydraulic Unit

CTB

CTD

CTC

CTE

CUC

CUE

Air Valve Unit

MV

Operational Control Unit

YMB080

Cautions

Notes on Design

Installation Notes

Hyd. Fluid List

Notes on Hyd. Cylinder Speed Control Circuit

Notes on Handling

Maintenance/ Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and Industrial Robot Related Products

Company Profile

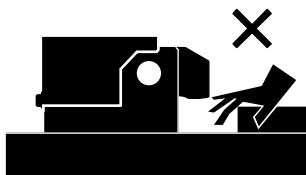
Company Profile

History

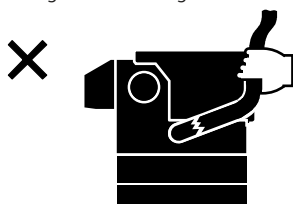
Sales Offices

Notes on Handling

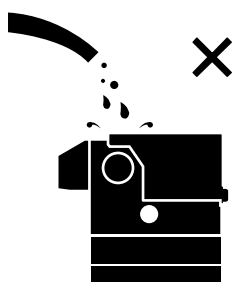
- When stopping a machine, make sure no load is applied on clamps. Otherwise, a mold may fall causing an injury accident.
- It should be operated by qualified personnel.
 - The hydraulic machine should be operated and maintained by qualified personnel.
- Do not operate or remove the machine unless the safety protocols are ensured.
 - The machine and equipment can only be inspected or prepared when it is confirmed that the safety devices are in place.
 - Before the product is removed, make sure that the above-mentioned safety devices are in place. Shut off the air of hydraulic source and make sure no pressure exists in the hydraulic circuit.
 - After stopping the product, do not remove until the temperature cools down.
 - Make sure there is no trouble/issue in the bolts and respective parts before restarting the machine or equipment.
- Do not touch clamps while they are working.
 - Otherwise, your hands may be injured.



- If there is a change for mold width, make sure to check the allowable protrusion amount.
 - If exceeding the allowable protrusion amount, excessive force is applied on clamps leading to deformation or dislocation which cause falling of a mold or an injury accident. Please refer to "Notes for Design 6" for allowable protrusion amount.
- Please hold the main body of the clamp when moving or removing it.
 - If pulling on hydraulic hose or air tube, the clamp will fall off leading to injury accident. Also, rivet part of the hose will be loosened leading to fluid leakage.

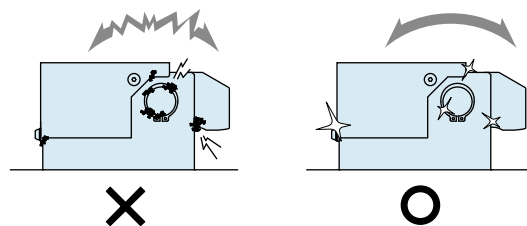


- Do not disassemble or modify.
 - If the equipment is taken apart or modified, the warranty will be voided even within the warranty period.
- Do not pour water / oil over the product.
 - It may lead to malfunction or deterioration of the product and cause an accident.



Maintenance and Inspection

- Removal of the Product and Shut-off of Pressure Source
 - Before removing the product, make sure that safety devices and preventive devices are in place. Shut off the pressure and power source, and make sure no pressure exists in the air and hydraulic circuits.
 - Make sure there is no trouble/issue in the bolts and respective parts before restarting.
- Regularly clean the area around the product.
 - If it is used when the surface is contaminated with dirt, it may lead to malfunctioning and fluid leakage.



- If disconnecting by couplers, air bleeding should be carried out on a regular basis to avoid air mixed in the circuit.
- Regularly tighten pipe line, mounting bolts, nuts, circlips and cylinders to ensure proper use.
- Make sure the hydraulic fluid has not deteriorated.
- 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 can be operated correctly.
- The products should be stored in the cool and dark place without direct sunshine or moisture.
- Please contact us for overhaul and repair.

Warranty

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

- If the stipulated maintenance and inspection are not carried out.
- Failure caused by the use of the non-confirming state at the user's discretion.
- If it is used or operated in an inappropriate way by the operator. (Including damage caused by the misconduct of the third party.)
- If the defect is caused by reasons other than our responsibility.
- If repair or modifications are carried out by anyone other than Kosmek, or without our approval and confirmation, it will void warranty.
- Other caused by natural disasters or calamities not attributable to our company.
- 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.



KOSMEK LTD. Head Office

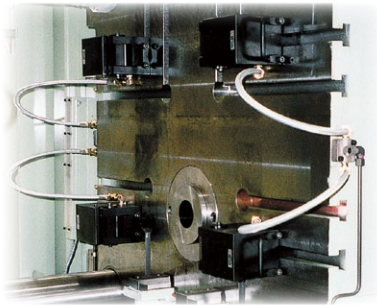
Company Name	KOSMEK LTD.
Established	May 1986
Capital	¥99,000,000
Chairman & CEO	Tsutomu Shirakawa
President & CEO	Koji Kimura
Employee Count	270
Group Company	KOSMEK LTD. KOSMEK ENGINEERING LTD. KOSMEK (USA) LTD. KOSMEK EUROPE GmbH KOSMEK (CHINA) LTD. KOSMEK LTD. - INDIA
Business Fields	Design, Production and Sales of Precision Products, and Hydraulic and Pneumatic Equipment
Customers	Manufacturers of Automobiles, Industrial Machinery, Semiconductors and Electric Appliances
Banks	Resona Bank, Bank of Tokyo-Mitsubishi UFJ, Senshu Ikeda Bank

Major Industrial Property Rights

(Including Patent Right and Patent Pending as of March 2019)

- Domestic : 120
- International : 250 (USA, EU, Taiwan, South Korea, China, India, Brazil, Mexico, Thailand, Indonesia)

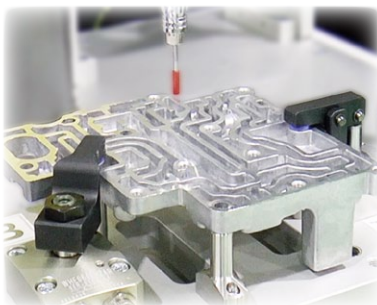
Product Line-Up



DIECAST CLAMPING SYSTEMS

For Diecast Machines

Kosmek Diecast Clamping Systems (KDCS) save the time of the changeover of die casting and magnesium molding machines under severe conditions. ex) mold release agents and high temperature.



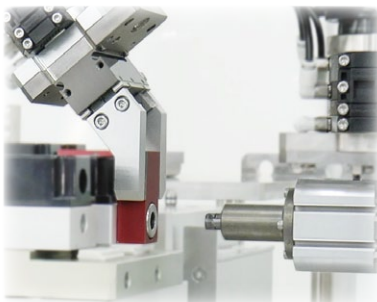
KOSMEK WORK CLAMPING SYSTEMS

Machine Tool Related Products

Our clamping system enables boltless automation to load and unload workpieces easier.

Non-leak valve enables the use of hydraulic source and fixtures in a disconnected condition after locking (clamping action).

We offer a wide range of products such as hydraulic/pneumatic actuators, supports, positioning equipment, valves, couplers, etc.



KOSMEK FACTORY AUTOMATION SYSTEMS

FA • Industrial Robot Related Products

KOSMEK robotic hand changer, robotic hand, positioning equipment and other products improve automation, precision and setup of transfer, assembly, deburring, testing and various other processes.

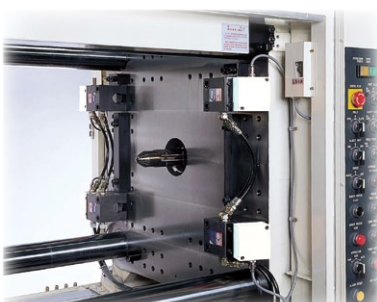


QUICK DIE CHANGE SYSTEMS

For Press Machines

Kosmek Quick Die Change Systems are a cost effective tool to improve the working environment, allow diversified and small-lot production, and reduce press down time.

Available for a wide range of machines; from large size transfer-presses to smaller high speed presses.



QUICK MOLD CHANGE SYSTEMS

For Injection Molding Machines

Automatic clamping systems have reduced mold change times and increased production efficiency for plastics manufacturers in a multitude of industries.

We offer a variety of different clamping options, including hydraulically powered clamps, pneumatic clamps with a force multiplying mechanism, and magnetic clamping systems.

Hydraulic Clamp

Hydraulic Unit

Operational
Control Unit

Cautions
Company Profile

Hydraulic Clamp

GKB

GKC

GKE

GKF

Hydraulic Unit

CTB

CTD

CTC

CTE

CUC

CUE

Air Valve Unit

MV

Operational
Control Unit

YMB080

Cautions

Notes on Design

Installation Notes

Hyd. Fluid List

Notes on Hyd. Cylinder

Speed Control Circuit

Notes on Handling

Maintenance/
Inspection

Warranty

Our Products

QMCS

QDCS

KWCS

FA and
Industrial Robot
Related Products

Company Profile

Company Profile

History

Sales Offices

Sales Offices

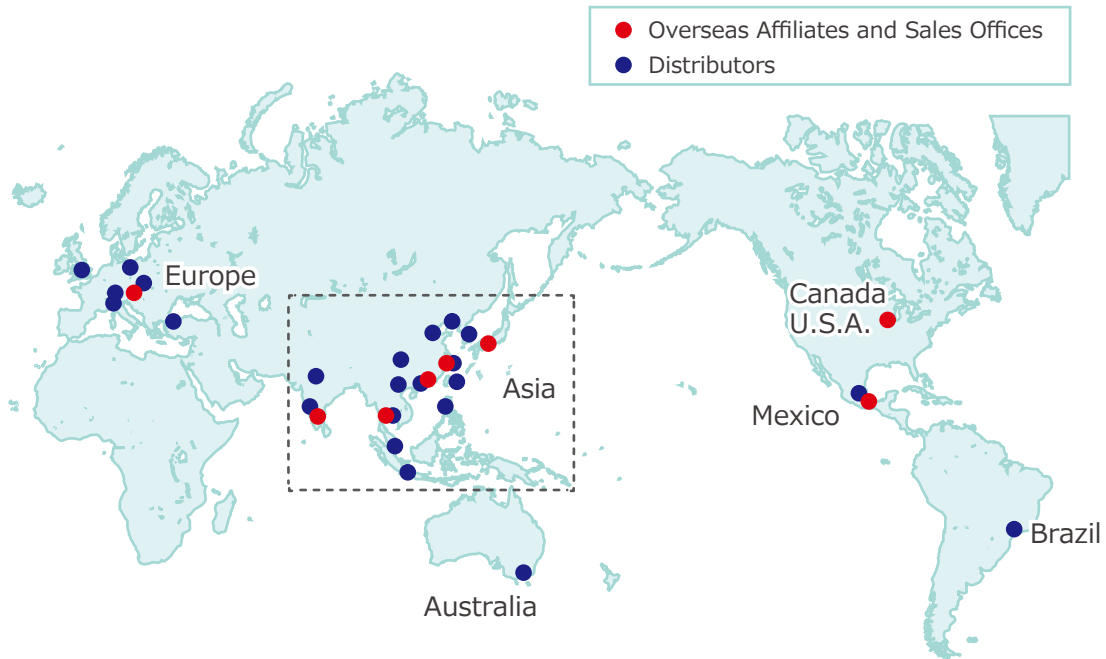
Sales Offices across the World

JAPAN HEAD OFFICE Overseas Sales	TEL. +81-78-991-5162	FAX. +81-78-991-8787 KOSMEK LTD. 1-5, 2-chome, Murotani, Nishi-ku, Kobe-city, Hyogo, Japan 651-2241 〒651-2241 兵庫県神戸市西区室谷2丁目1番5号
United States of America SUBSIDIARY KOSMEK (USA) LTD.	TEL. +1-630-620-7650	FAX. +1-630-620-9015 650 Springer Drive, Lombard, IL 60148 USA
MEXICO REPRESENTATIVE OFFICE KOSMEK USA Mexico Office	TEL. +52-442-161-2347	Av. Santa Fe #103 int 59 Col. Santa Fe Juriquilla C.P. 76230 Queretaro, Qro Mexico
EUROPE SUBSIDIARY KOSMEK EUROPE GmbH	TEL. +43-463-287587	FAX. +43-463-287587-20 Schleppeplatz 2 9020 Klagenfurt am Wörthersee Austria
CHINA KOSMEK (CHINA) LTD. 考世美(上海)贸易有限公司	TEL. +86-21-54253000	FAX. +86-21-54253709 Room601, RIVERSIDE PYRAMID No.55, Lane21, Pusan Rd, Pudong Shanghai 200125, China 中国上海市浦东新区浦三路21弄55号银亿滨江中心601室 200125
INDIA BRANCH OFFICE KOSMEK LTD - INDIA	TEL. +91-9880561695	4A/Old No:649, Ground Floor, 4th D cross, MM Layout,Kavalbyrasandra, RT Nagar, Bangalore -560032 India
THAILAND REPRESENTATIVE OFFICE KOSMEK Thailand Representation Office	TEL. +66-2-300-5132	FAX. +66-2-300-5133 67 Soi 58, RAMA 9 Rd., Suanluang, Suanluang, Bangkok 10250, Thailand
TAIWAN (Taiwan Exclusive Distributor) Full Life Trading Co., Ltd. 盈生貿易有限公司	TEL. +886-2-82261860	FAX. +886-2-82261890 16F-4, No.2, Jian Ba Rd., Zhonghe District, New Taipei City Taiwan 23511 台湾新北市中和區建八路2號 16F-4 (遠東世紀廣場)
PHILIPPINES (Philippines Exclusive Distributor) G.E.T. Inc, Phil.	TEL. +63-2-310-7286	FAX. +63-2-310-7286 Victoria Wave Special Economic Zone Mt. Apo Building, Brgy. 186, North Caloocan City, Metro Manila, Philippines 1427
INDONESIA (Indonesia Exclusive Distributor) PT. Yamata Machinery	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

Sales Offices in Japan

Head Office Osaka Sales Office Overseas Sales	TEL. 078-991-5162	FAX. 078-991-8787 〒651-2241 兵庫県神戸市西区室谷2丁目1番5号
Tokyo Sales Office	TEL. 048-652-8839	FAX. 048-652-8828 〒331-0815 埼玉県さいたま市北区大成町4丁目81番地
Nagoya Sales Office	TEL. 0566-74-8778	FAX. 0566-74-8808 〒446-0076 愛知県安城市美園町2丁目10番地1
Fukuoka Sales Office	TEL. 092-433-0424	FAX. 092-433-0426 〒812-0006 福岡県福岡市博多区上牟田1丁目8-10-101

Global Network



Asia Detailed Map



● FOR FURTHER INFORMATION ON UNLISTED SPECIFICATIONS AND SIZES, PLEASE CALL US.
 ● SPECIFICATIONS IN THIS CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE.

