New

For Mold Clamping System
Remote Monitoring System

Remote Monitoring of Mold Clamping System

KOSMEK
Harmony in Innovation
Remote Monitoring System

Remote Monitoring System

Wireless Model

Model YMB-W

Remotely Monitor Status of Mold Clamping System

Easy Setup, Provides Machine Condition and User Information Wirelessly

Accurate data transmission enables quick machine recovery.

Features

An error status during mold clamping can be fetched to a smart phone or tablet and the data will be sent to Kosmek via a user’s communication network. This allows prompt and accurate condition information.

Quick recovery from a system error improves service accuracy!

Before Introducing Remote Monitoring System

The maintenance staff visits the user's factory.

And tries to repair, but conditions are different from the given information so it has to be repaired at a later date.

A trouble report from a user.

After Introducing Remote Monitoring System

Send the system condition data.

And inform a user how to recover.

We receive the accurate information.

Even if it is difficult to be repaired by a user, we are able to solve problems in early stages as we have accurate trouble information.

We receive the information.
Paring with Mold Clamping System to Confirm Conditions

Send the Information of Mold Clamping System to Kosmek

Check details. And we will respond immediately.
Model No. Indication

YMB08 0 - V HC 10 - W

1 Design No.
Revision Number

2 Mold Change Method

V : Vertical Mold Change System (Horizontal Molding Machine)  
H : Horizontal Mold Change System (Horizontal Molding Machine)  
R : Vertical Molding Machine*1

Notes:
*1. Please contact us for the control method of vertical molding machine.
1. Contact us for specifications and external dimensions of the options.

3 Applicable Clamp Model No.

Refer to the following catalog for further information of each series.

G series (Hydraulic Clamp) : Refer to CAT. NO. GBB001-□□-GB
H series (Pneumatic Clamp) : Refer to CAT. NO. HZ-□□-GB
Q series (Pneumatic Clamp) : Refer to CAT. NO. QM-□□-GB

4 Pressure Source
* When using Air Valve Unit

10 : With Pressure Switch in the Clamp Circuit
00 : Without Pressure Switch in the Clamp Circuit

5 Option

Blank : Standard (Operation Panel in Japanese)
E : With Mold Confirmation Proximity Switch
H : With Mold Confirmation Proximity Switch (6-8 pcs. on each side)
N : Operation Panel in English
C : Operation Panel in Chinese

W : With Remote Monitoring Function (Wireless Model)*2

Note:
*2. A terminal device such as tablet or smart phone is not included. It should be prepared by customer.

Reference Catalog List

<table>
<thead>
<tr>
<th>Catalog Name</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>G series (Hydraulic Clamp)</td>
<td>GBB001-□□-GB</td>
</tr>
<tr>
<td>H series (Pneumatic Clamp)</td>
<td>HZ-□□-GB</td>
</tr>
<tr>
<td>Q series (Pneumatic Clamp)</td>
<td>QM-□□-GB</td>
</tr>
</tbody>
</table>

Refer to each series’ catalog for specifications, dimensions and details not related to Option W: With Remote Monitoring Function (Wireless Model).
Specifications : Bluetooth

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Method (Profile)</td>
<td>Bluetooth Standard ver. 4.1 (Bluetooth Low Energy)</td>
</tr>
<tr>
<td>Output</td>
<td>Bluetooth Standard Power Class 2 (TX power +4dBm)</td>
</tr>
<tr>
<td>Communication Distance Range</td>
<td>Line-of-Sight Range within about 2.5m ~ 10m</td>
</tr>
<tr>
<td>Frequency Band</td>
<td>2.4GHz Band (2.402GHz - 2.480GHz)</td>
</tr>
<tr>
<td>Modulation System</td>
<td>GFSK</td>
</tr>
<tr>
<td>Applicable Bluetooth Protocol</td>
<td>GAP / GATT / SM / LL / RF-PHY</td>
</tr>
<tr>
<td>Mobile Operating System</td>
<td>iOS 10.3.3 or later version / Android 6.0 or later version</td>
</tr>
<tr>
<td>Certification</td>
<td>CE Marking [EU]</td>
</tr>
<tr>
<td></td>
<td>FCC [North America]</td>
</tr>
<tr>
<td></td>
<td>Technical Regulations Conformity Certification / Construction Type Certification (Prev. TELEC) [Japan]</td>
</tr>
</tbody>
</table>

External Dimensions : Operation 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.
Operation Outline: Initial Setup ~ Login

User-Friendly Application Enables
Quick and Simple Initial Setup • User Registration

Activate the Application
Download the Remote Monitoring System Application

Find the Bluetooth
Tap [scan] to find the Bluetooth.

Pair with the Bluetooth
Tap [KOSMEK-YMB2] on the pairing list to pair with your device.

User Data Registration
Enter user's information to register.

Operation Method of YMB Operation Panel
Operate YMB Operation Panel to Log In
• Turn the key switch “MOLD CHANGE” ON while pressing “RESET”.

Key Switch
PUSH
Quick Recovery of Mold Clamping System Possible by sending accurate data to us while checking its status.
Magnet Clamp System

The world’s thinnest (37mm) magnet plate ensures safety and securely clamps the mold.

Pneumatic Clamp System

Eco-friendly air operated clamps exert powerful clamping force and are equipped with a mechanical locking system.

New 40ton / 50ton models have been introduced for extra-large injection molding machines.

Hydraulic Clamp System

Hydraulic clamps have powerful clamping force in a compact body. Kosmek also offers units that generate hydraulic pressure using only factory air.