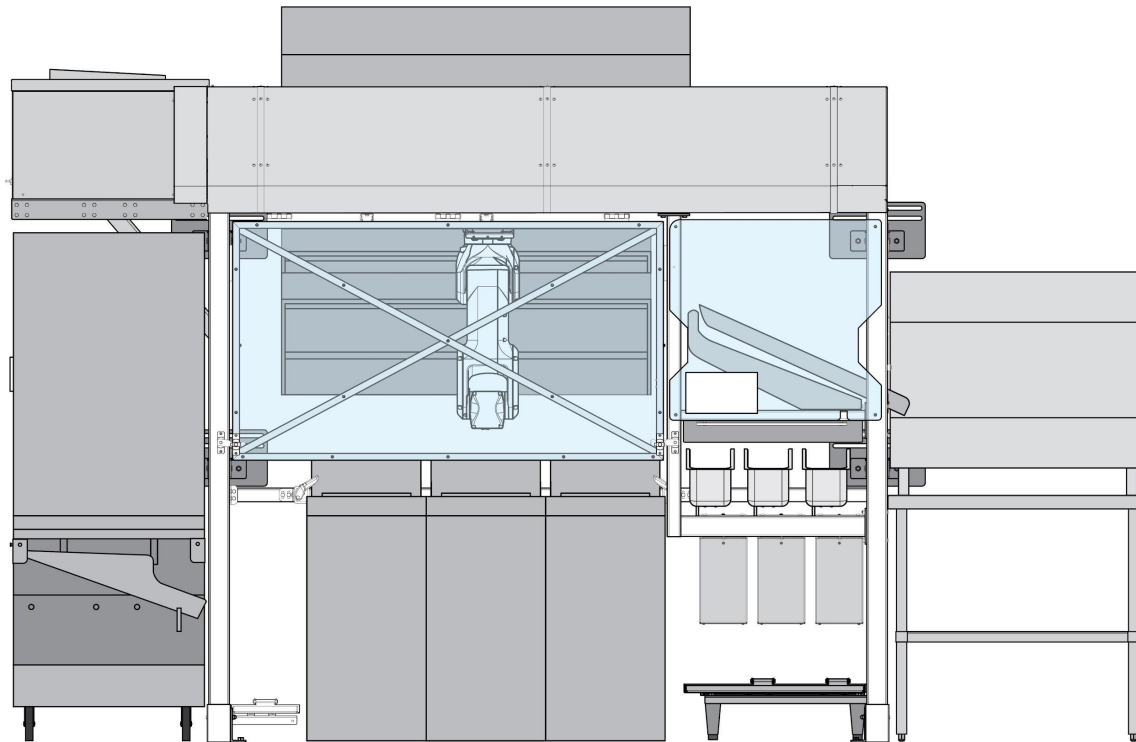




# MISO ROBOTICS

## Spec Sheet for Backshelf Hood - 3 Fryer - Left to Right Flow

*Congratulations on being one step closer to having a Flippy 2 in your kitchen!*





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### A Few Notes:

- Miso Robotics provides the Food Dispenser
- Miso Robotics does not provide the Hot Hold unit but recommend the Hatco Multi-Product Warming Station
  - ◆ **[MODEL: MPWS-36]**
  - ◆ Hot Hold station has accessories to customize and accommodate your workflow preferences

## INTRODUCTION TO FLIPPY 2

### FLIPPY 2 PRODUCES DRAMATIC RESULTS

 PAYS FOR  
ITSELF

 UNMATCHED  
QUALITY AND  
CONSISTENCY

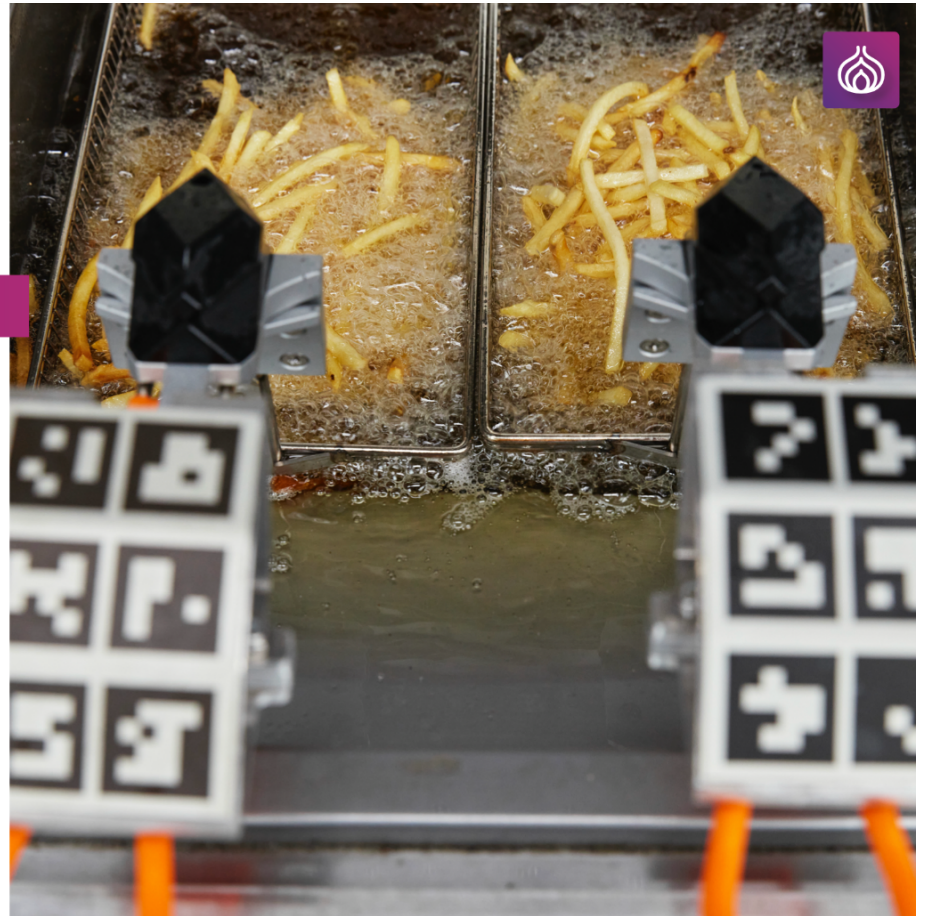
 BETTER  
REVENUE  
POTENTIAL

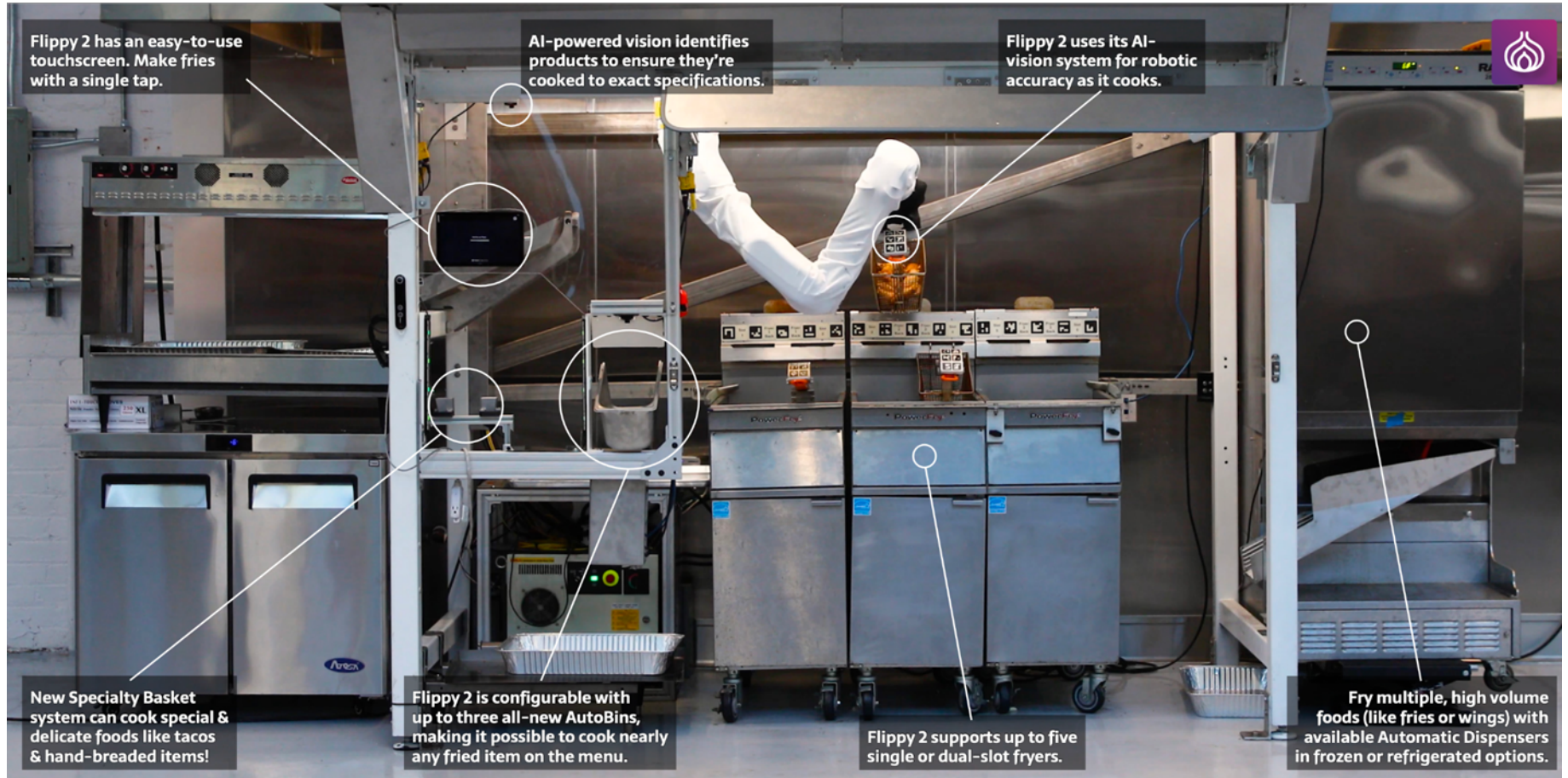
 INCREASED  
THROUGHPUT

 IMPROVES  
SPEED OF  
SERVICE

Case studies available! Contact us to learn more.

[MisoRobotics.com/GetFlippy](https://www.misorobotics.com/GetFlippy)





## SPACE REQUIREMENTS

Flippy needs just under **14 feet** of wall space to cook the food from start to finish. This includes everything (from right to left):

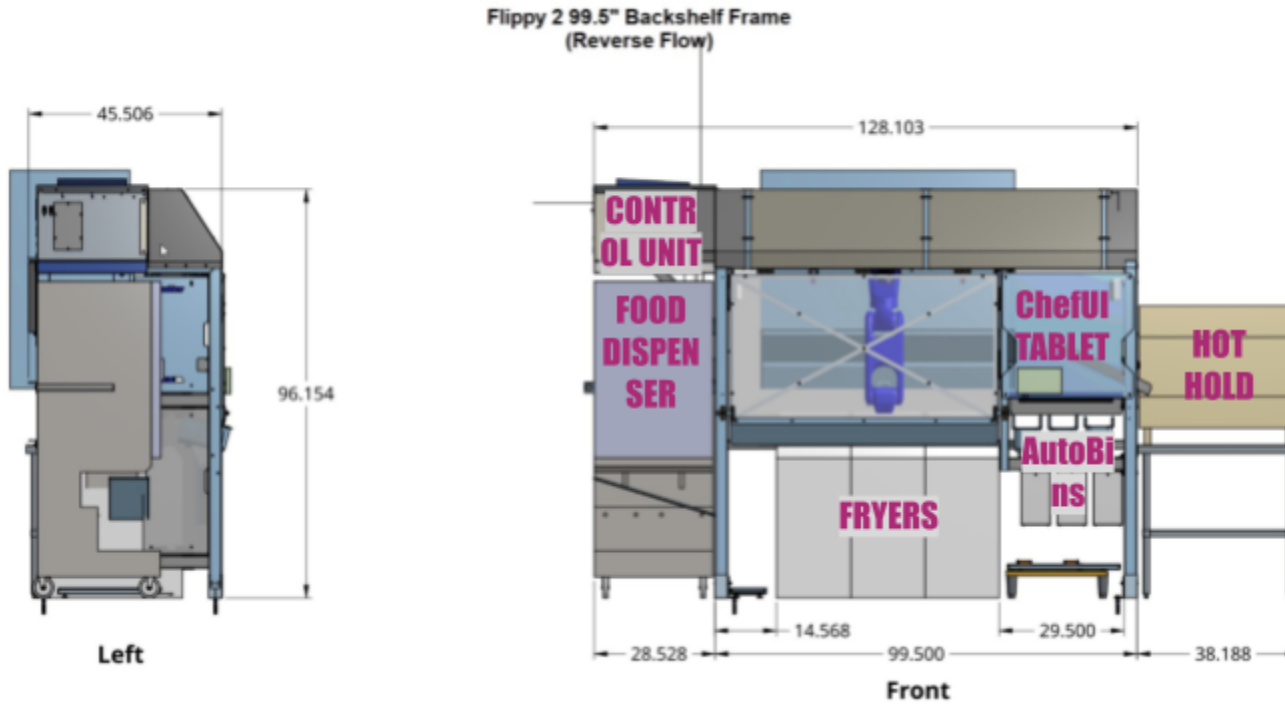


## IMPORTANT MEASUREMENTS

**Width** (*Dispenser + Frame + Hot Hold*): **13' 10.3"**  
**(166.3")**

**Height** (*Top of Frame*): **8' 0.2"** **(96.2")**

**Depth**: (*Wall to Front*): **3' 9.5"** **(45.5")**

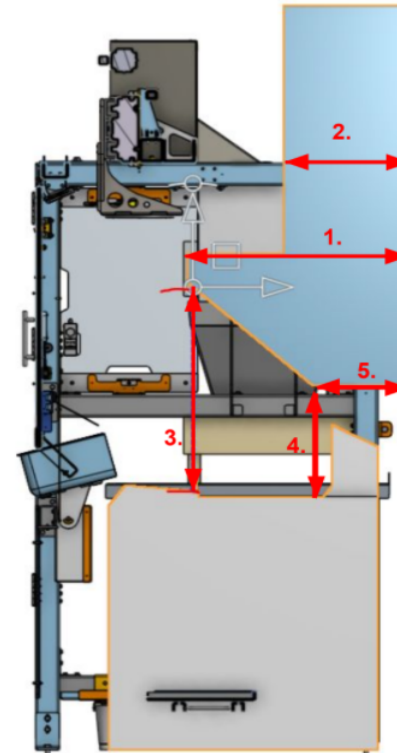


## BACKSHELF HOOD COMPATIBILITY

- Hood depth, Maximum of 28" from Wall
- Exhaust Vent Depth, Maximum of 26" from Wall
- Hood Height from Fryers, Minimum of 27" from the top of the Fryer to the underside of Hood
- Hood Side Wall Dimensions, Minimum of 15.5" from top of Fryer
- Hood Side Wall Dimensions, Maximum of 12" from the Wall

Miso Backshelf Hood Compatibility:

| # | Dimension                 | Value   |
|---|---------------------------|---|
| 1 | Hood Depth                | Maximum of 28" from Wall                              |
| 2 | Exhaust Vent Depth        | Maximum of 26" from Wall                              |
| 3 | Hood Height from Fryer    | Minimum of 27" from top of fryer to underside of hood |
| 4 | Hood Side Wall Dimensions | Minimum of 15.5" from top of fryer                    |
| 5 | Hood Side Wall Dimensions | Maximum of 12" from the wall                          |

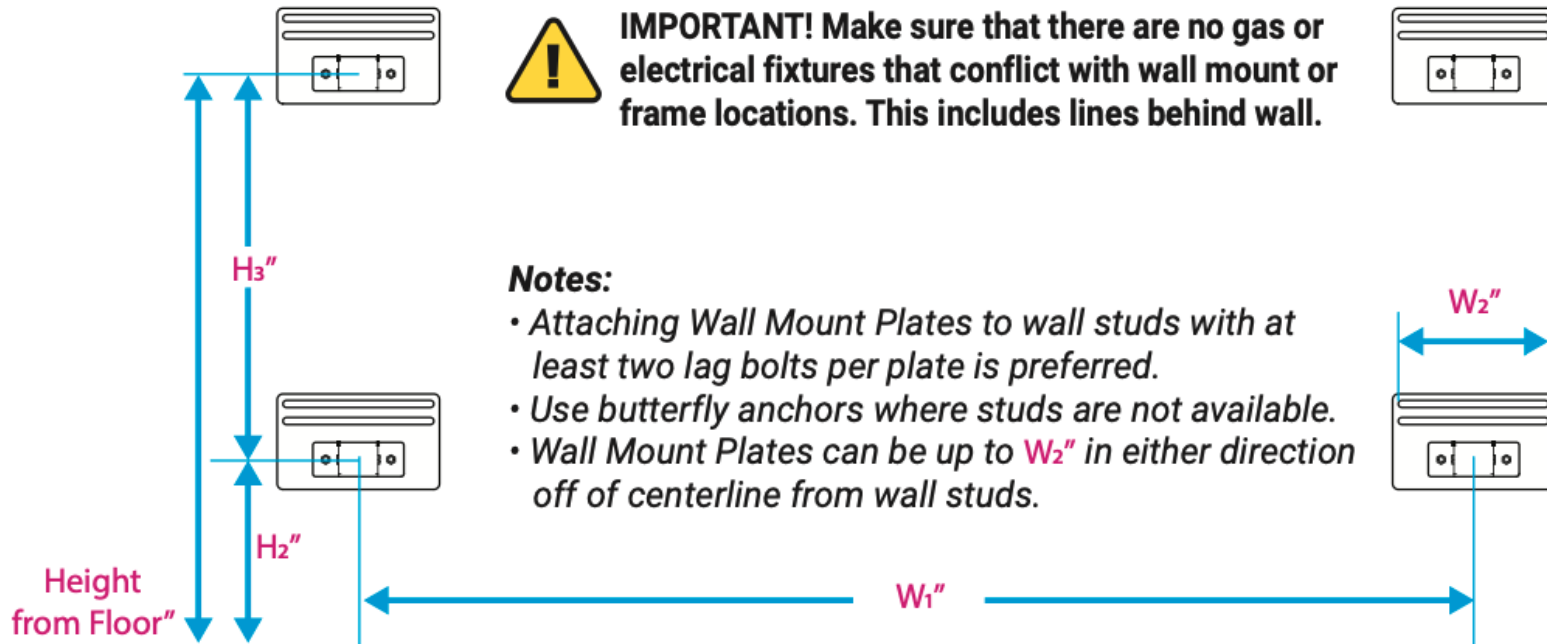


## MOUNTING REQUIREMENTS

Flippy needs to be mounted against the wall and anchored to the floor.

### WALL:

- Mounting is necessary at 4 different points within the frame, approximately 4" deep.
- 



## FLOOR:

- Floor drilling is required in 4 different points that align to the feet of the side frames.
  - ◆ Holes will be drilled into floor with a  $\frac{5}{8}$ " diameter bit, approximately **4" deep**.
  - ◆ There's **4 feet** in total and these measure **3"x5.3"**

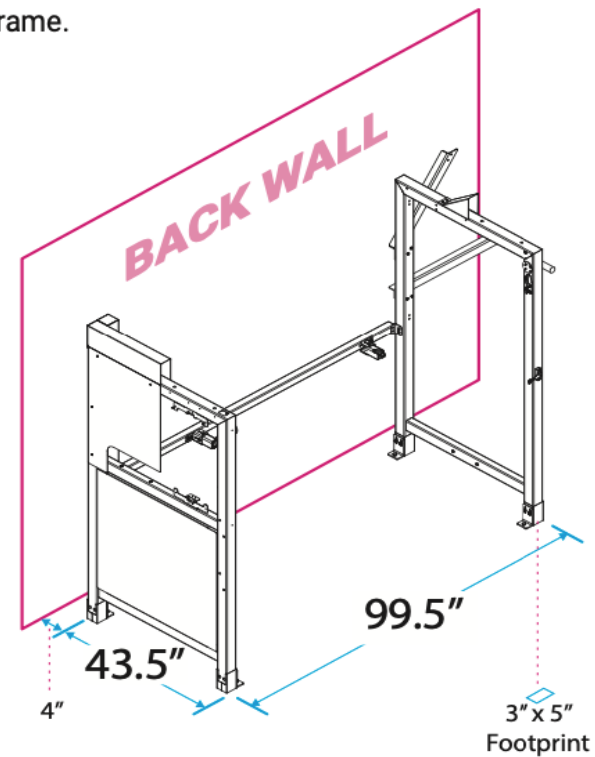


**IMPORTANT!** To reduce measurement errors, take all wall and floor measurements from a single point where the floor and back wall meet.

**Example:** Measure from location of centerline of left frame.

### Notes:

- Each foot requires an anchor secured in the floor.
- Four holes will be required, drilled with  $\frac{5}{8}$ " bit to an approximate depth of 4"



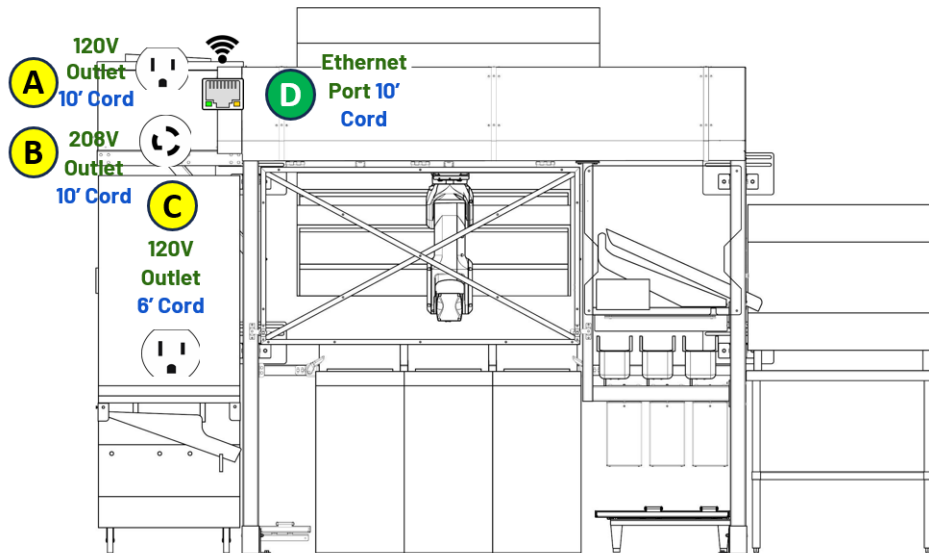


## POWER & ETHERNET PORT CONNECTION REQUIREMENTS

Flippy's individual components have different power needs. And in some cases, components will have to be on different circuits:

|           |                |      |    |                |            |
|-----------|----------------|------|----|----------------|------------|
| <b>A.</b> | Computer       | 120V | 6A | 10' Power Cord | NEMA 5-15P |
| <b>B.</b> | Robotic Arm    | 208V | 5A | 10' Power Cord | NEMA L6-20 |
| <b>C.</b> | Food Dispenser | 120V | 8A | 6' Power Cord  | NEMA 5-15P |
| <b>D.</b> | Ethernet Port  |      |    | 10' Cord       |            |

**In addition**, Flippy will need to be connected to an active Ethernet port.



## NETWORK REQUIREMENTS

Miso Robotics Inc. needs the following network parameters and access to set up and operate Flippy.

- **!! Our router on customer premises must be configured in DHCP mode, unless the client strictly requires that it must be configured to use a static IP address. This must be communicated to Miso well in advance of product ship!**
- Access to the following **outbound only** targets and ports:

| Sites   | Outgoing Ports                                  | Reason  |
|---|---|---|
| All   | TCP: 443  | SSL connectivity for package downloads, and cloud resources over many different IP ranges |
| github.com  | TCP: 22   | Access to private github repos  |
| Forti VPN (35.203.163.51)   | UDP: 1194,500,514,4500<br>ESP: (IP protocol 50) | VPN connectivity  |
| Forticloud management<br><a href="#">As mentioned in Fortinet documentation,</a><br>208.91.113.0/24<br>173.243.132.0/24<br>81.201.100.224/27<br>81.201.101.192/26 | TCP: 80, 443, 541, 514                          | Router Management connectivity  |
| 1.1.1.1   | ICMP: ping,                                     | Global DNS Resolution   |

|         |          |  |
|---------|----------|--|
| 8.8.8.8 | TCP: 53, |  |
| 8.8.4.4 | UDP: 53  |  |

→ **Flippy requires an internet connection with a bandwidth of at least:**

- 20 Mbps Download Speed
- 20 Mbps Upload Speed
- 220 GB of Data Transfer Per Day

**Procedure:** *Verify with your internet service provider that you do not have data caps and that your internet supports the additional data Flippy will generate.*

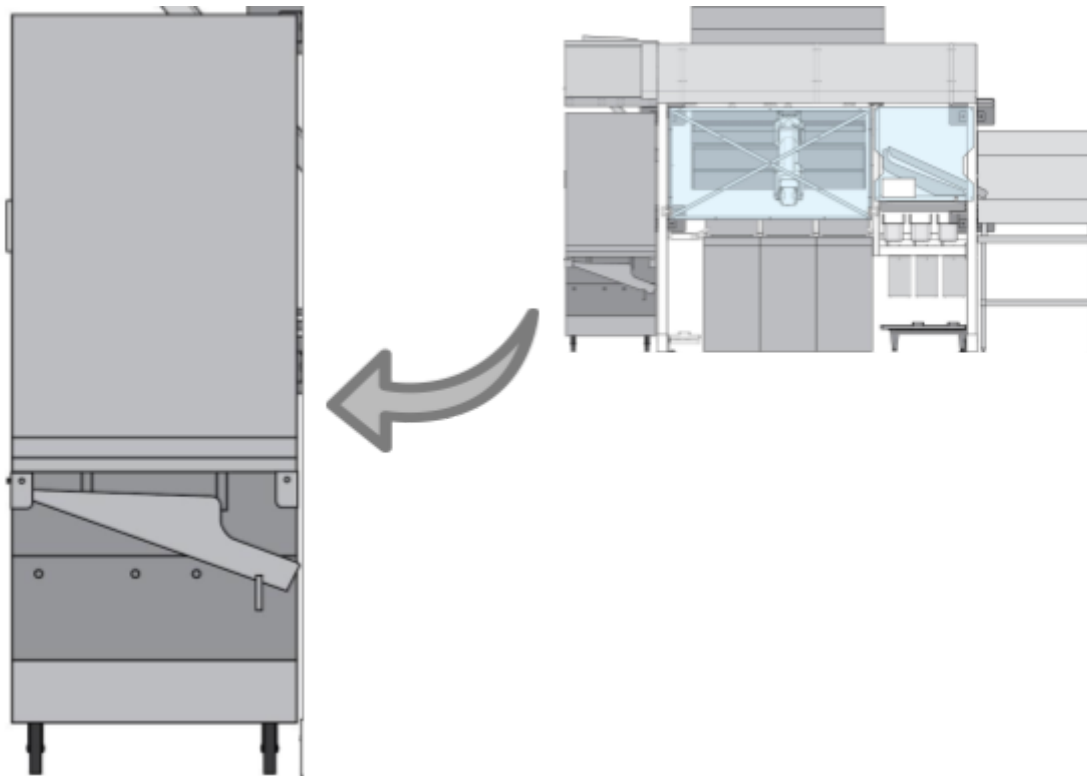
→ **During the install, you will need to have someone onsite with network admin access. They will need to have the Username and Password for your Modem and Router.**

*These are supplied by your Internet Service Provider (ISP) and may be combined into a single device.*

*Please reach out to Miso Robotics if you experience any issues with these steps.  
[installations@misorobotics.com](mailto:installations@misorobotics.com)*

## FOOD DISPENSER SPECIFICATIONS

- Miso Robotics provides and maintains a modified Food Dispenser.
- Manufacturer: Taylor Company
- Model: [RAM R280](#)
- Specification Sheet: [Taylor Company R280 Specifications](#)
- Operators Manual: [Taylor Company R280 Operator Manual](#)



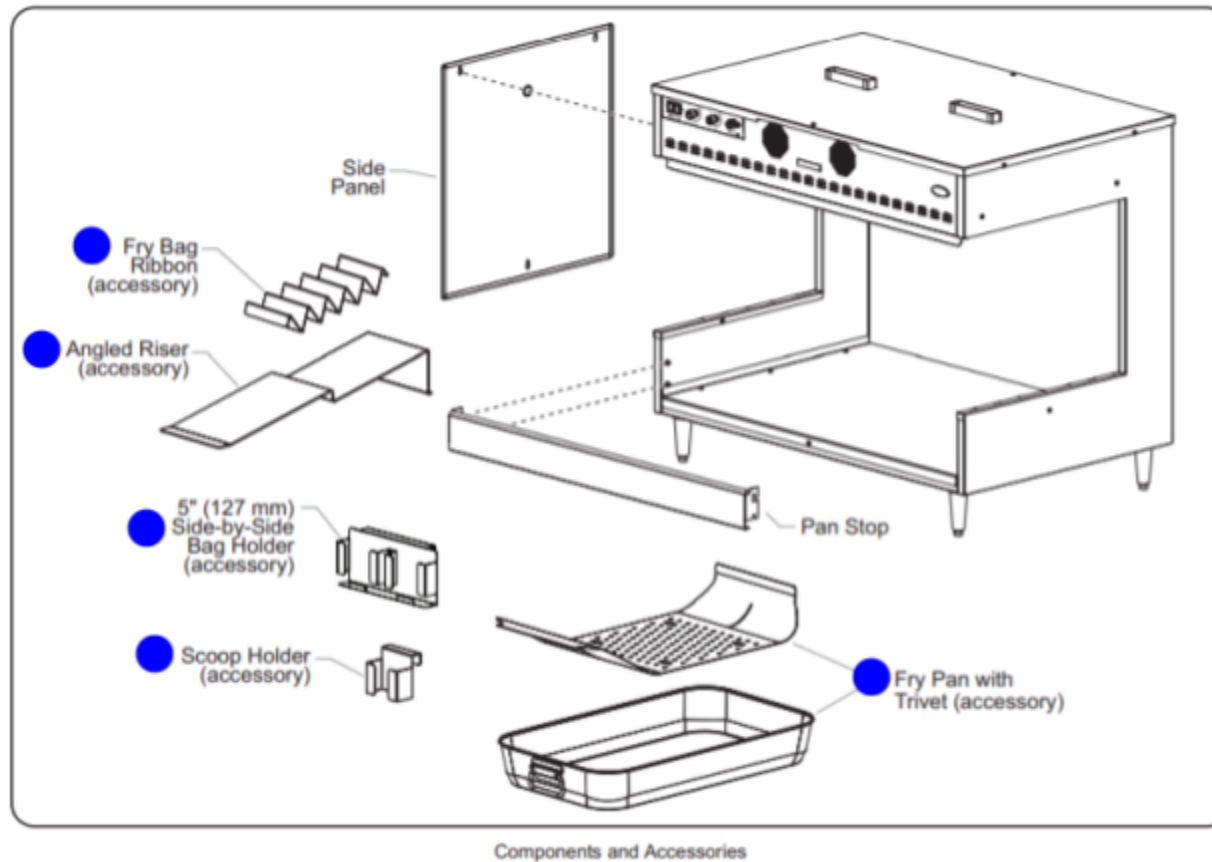
## HOT HOLD SPECIFICATIONS

- Miso Robotics **does not provide or maintain** the Hot Hold unit but recommends the Hatco Multi-Product Warming Station
- Manufacturer: [Hatco Corporation](#)
- Model: [MPWS-36](#)
- Specifications Sheet: [Hatco Multi-Product Warming Station Specifications](#)
- Operators Manual: [Hatco Multi-Product Warming Station Operating Manual](#)





→ The Hatco Hatco Multi-Product Warming Station has **accessories for an additional cost** that you can select at the time of ordering to customize and accommodate your workflow preferences





## HOT HOLD PLACEMENT REQUIREMENTS

- The Hot Hold unit container must sit below the Hot Hold Chute
- The Hot Hold unit should have accessible sides for food entry

