

# Ishida WM-Ai

Automatic Wrapper

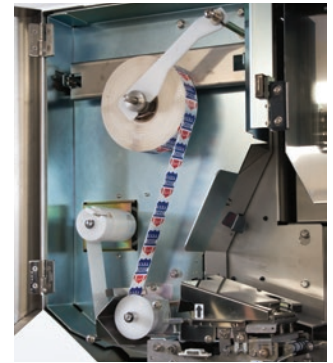


## FEATURES

- Process up to 35 packages per minute with automatic tray identification and centering
- Variable speed infeed and wrap
- Automatic film selection for reduced waste
- Easy front film loading with auto set
- Robotic label application with user selectable positioning
- Wraps most trays between #1S and #1014
- High-capacity label roll with more than five times the length of a standard roll
- Fixed high-capacity front load cassette
- High-resolution printhead
- Prints safe handling instructions, country of origin, 2020 nutrition, custom text messages, custom images and more
- Graphic-based QR code printing
- Large customizable color touchscreen with adjustable viewing angle and tactile keypad
- Assign color images to presets keys
- Display videos with sound
- PC-based with a solid-state drive for speed and reliability
- Secure remote access
- Modes: Wrap and Label, Wrap, Label
- Fully compliant with RoHS regulations for a completely lead-free machine
- Optional Wi-Fi kit (factory installation recommended)
- Compatible with third-party software, including Upshop 360®, ADC's InterScale®, Invafresh's ePlum®, Toast®, Square® and Droste®



WM-Ai POP logo selection screen



WM-Ai POP printer and cassette



Main label and POP label



## SPECIFICATIONS

### Power:

200 to 240V (1-phase)  
Standard 20A circuit

### Power Consumption:

In operation: 1,800 W max  
Stand-by: 360 W min

### Resolution:

3,000 display divisions maximum

### Communications:

LAN  
Static/DHCP  
Optional Wi-Fi 802.11a/b/g/n/ac  
2.4 GHz/5 GHz  
Security: WEP/WPA/WPA2

### Input/Output:

LAN  
Four USB-A (service, transaction data)  
SD card (expanded storage,  
16 GB max)

### Operating System:

Linux

### Memory Capacity:

SSD 2 GB

### Preset Keys:

99 dynamically programmed groups  
with 99 sub pages  
19 tactile function keys

### Display:

Operator: resistive thin film  
analogue touch panel, TFT LCD color  
touchscreen with LED backlight with  
SVGA, 12.1 in (800 × 600 px)

Unit price: six digits

Tare: four digits

Weight: five digits

Total price: eight digits

### Printer:

Printhead: 3.1 in (80 mm)  
direct thermal, effective 3 in (76 mm)  
Resolution: 300 dpi (12 dot/mm)  
Speed: 4.7 in/sec (120 mm/sec) max  
Min. weight: 0.015 lb (0.006 kg)  
Formats: customizable, up to 999  
Barcodes: UPC, JAN, EAN, EAN128,  
CODE128, ITF, GS1, Custom

### Main Label Size:

Type: Die-cut  
Width: 1.4 to 3.1 in (35 to 80 mm)  
Length: 1.0 to 4.1 in (27 to 105 mm)

### POP Label Size:

Type: Die-cut  
Width: 1.0 to 2.6 in (25 to 65 mm)  
Length: 1.0 to 2.5 in (25 to 64 mm)

### Main Label Roll:

I.D.: 3-in (76 mm) min  
O.D.: 9-in (230 mm) max  
Backing width: 3.2-in (82 mm) max

### POP Label Roll:

I.D.: 1.5-in (38 mm) min, with  
optional kit 3-in (76 mm) min  
O.D.: 7.9-in (200 mm) max, with  
optional kit 9-in (230 mm) max  
Backing width: 2.7-in (68 mm) max

### Wrapping:

Cycle Speed: Weigh, wrap and label,  
35 packages per minute max  
Width: 3.7 to 14.9 in (95 to 380 mm)  
Depth: 3.1 to 10.2 in (80 to 260 mm)  
Height: 0.4 to 5.1 in (10 to 130 mm)  
Tray height: 2.7-in (70 mm) max  
Weight: 0.015 lb (0.006 kg)  
to 12 lb (5.4 kg)  
Tray material: Polystyrene  
Paper (PSP), Polypropylene (PP),  
Polyethylene Terephthalate (PET),  
CTF, Paper

### Film:

Type: PVC, PO, PE  
Rolls: Two, automatic film selection  
Length: 5,000 ft (1,524 m) max  
Width: 10, 12, 14, 16, 18, 20, 21 in  
(250, 300, 350, 400, 450, 500, 530 mm)  
O.D.: 7.9-in (200 mm) max  
Recommended: Mitsubishi A50

### Platter:

14.5 × 10.5 in (368 × 267 mm)

### Weight:

Approx. 1,054 lb (478.1 kg)

### Temperature:

Operating: 41 °F to 95 °F  
(5 °C to 35 °C)

### Humidity:

20 to 85% RH (without condensation)

### Noise:

73 to 75 dB

### Warranty:

One-year limited  
Based on a volume of 2,800 packs per  
day using Mitsubishi film

### Approvals:

NTEP 06-029  
cULus Listed



## PART NUMBER/PRICE

PART #	MODEL/DESCRIPTION	SINGLE-RANGE CAPACITY	DUAL-RANGE CAPACITY	EST. SHIP WEIGHT	PRICE
169224	WM-Ai, fully automatic PC-based wrapper/ integrated printer/color touchscreen	0 to 30 × 0.01 lb	0 to 15 × 0.005 lb / 15 to 30 × 0.01 lb	925 lb 54 × 54 × 84 in	Consult
171445	WM-Ai-P, fully automatic wrapper with day glow printer, integrated printer/color touchscreen, two film rolls	0 to 30 × 0.01 lb	0 to 15 × 0.005 lb / 15 to 30 × 0.01 lb	1,105 lb 54 × 54 × 84 in	Consult

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## OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
197187	Roller pack-off table, 3 ft with fixed 1 ft in-feed and Package Stop	Consult
192307	Roller pack-off table, 5 ft with fixed 1 ft in-feed and Package Stop	Consult
188046	Day Glow label dispenser used with roller pack-off tables, 25-3/4 × 7-5/8 × 4 in aluminum, 20 roll capacity	Consult
71283	Gravity conveyor, 3 ft aluminum with galvanized H-supports, (W × H) 15 × 31-37 in	Consult
71526	Gravity conveyor, 5 ft aluminum with galvanized H-supports, (W × H) 15 × 31-37 in	Consult
104293	Rotary bin, 28 in dia. × 8 in deep, adjustable height with wheels and handle	Consult
72943	Cover, plastic washdown (W × D × H) 52 × 55 × 62 in	Consult
157382	4-in lift kit required to elevate wrapper to 36 in discharge height (includes lift cylinders, caster spacers and hardware)	Consult
178069	Day Glow labeler kit for use with 3 in core label rolls	Consult
185608	Right to left discharge roller stand (factory setup required at time of order)(requires PN 157382)	Consult
174110	SD memory card, 2 GB	Consult
193229	WM-Ai floor mat template, 4 ft × 5.5 ft	Consult
155149	Camera calibration block, white poly, (W × D × H) 200 × 130 × 30 mm	Consult
160906	USB flash memory, 1 GB	Consult
95540	Service key, door safety interlocks	Consult
176133	Harness, C2 film feeder extension cable, service support	Consult

## COMMUNICATION

PART #	DESCRIPTION	PRICE
170990	Internal wireless communication 802.11a/b/g/n/ac 2.4 GHz/5 GHz (factory installation recommended)	Consult
152628*	ScaleLink Pro 5 license file, one license required per computer	Consult
78860	Cross cable, Ethernet CAT5, 6 ft	Consult

\*Software key is provided after purchase and online registration is completed at [www.ricelake.com/ishida-software-form](http://www.ricelake.com/ishida-software-form)

NOTE: Manuals and software programs can be downloaded from the distributor section of [www.ricelake.com/retail](http://www.ricelake.com/retail)

## WRAPPING FILM

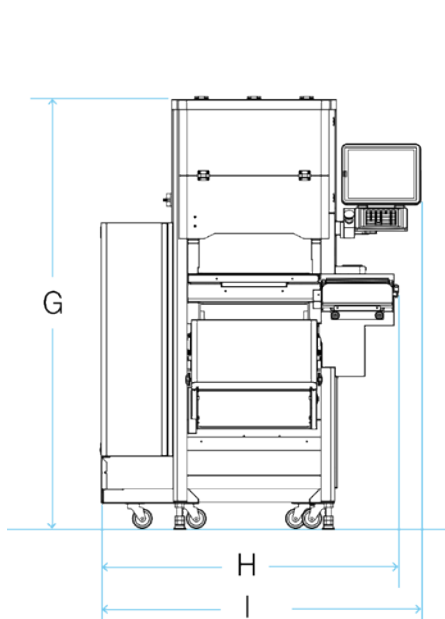
PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
170109	350 mm × 1,000 m (13.8 in × 3,280 ft) one box of two rolls	25 lb	Consult
181916	400 mm × 1,000 m (15.7 in × 3,280 ft) one box of two rolls	28 lb	Consult
187821	450 mm × 1,000 m (17.7 in × 3,280 ft) one box of two rolls	35 lb	Consult
170110	500 mm × 1,000 m (19.7 in × 3,280 ft) one box of two rolls	38 lb	Consult

### WM-Ai Series Financial Terms and Conditions

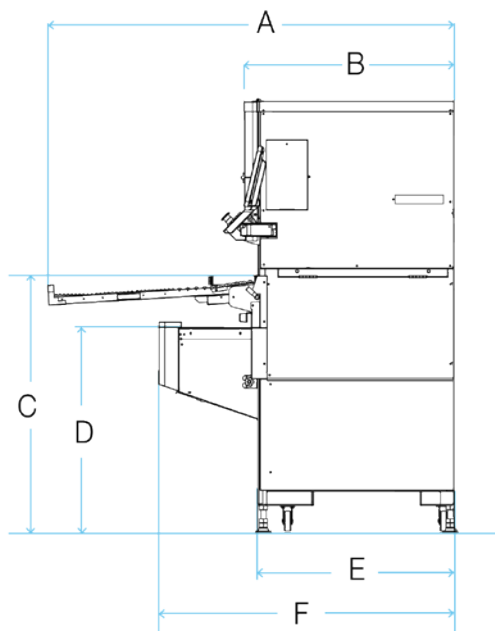
Our financial services group reviews open account requests. Upon approval of open account terms, orders may be subject to the following payment terms: 20% down with the order.

## DIMENSIONS

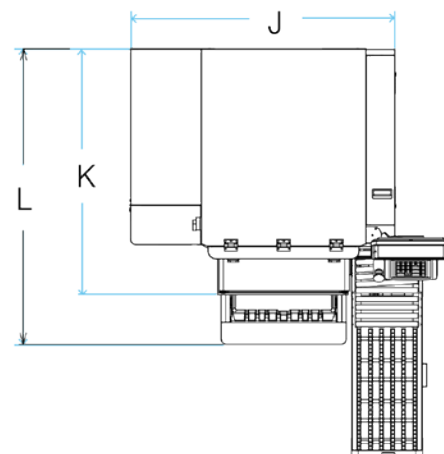
WM-Ai					
A	61.0in (1,549mm)	E	28.0in (711mm)	I	47.8in (1,214mm)
B	30.0in (762mm)	F	44.1in (1,130mm)	J	39.1in (1,001mm)
C	38.3 - 40.3in (973 - 1,023mm)	G	64.4 - 66.3in (1,635 - 1,685mm)	K	37.5in (953mm)
D	28.9 - 30.8in (733 - 783mm)	H	44.5in (1,130mm)	L	44.1in (1,120mm)



Front



Right Side



Top

MULTI-PURPOSE  
RETAIL SCALES

PRICE COMPUTING  
SCALES

PRICE COMPUTING  
PRINTING SCALES

LABELERS

WRAPPING  
SYSTEMS

SOFTWARE

ACCESSORIES

POWER  
CONDITIONING

RETAIL  
LABELS

WARRANTY

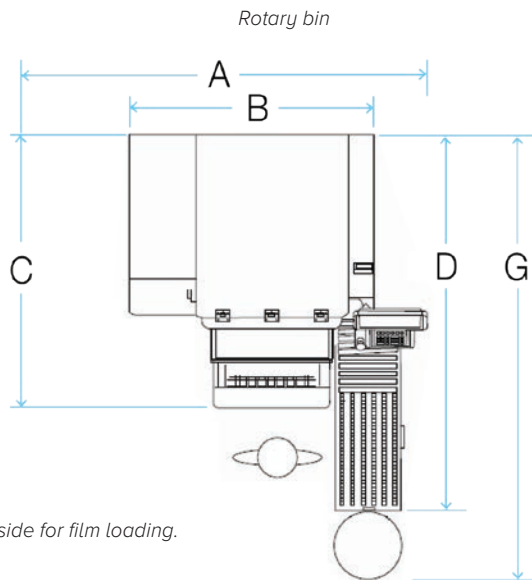
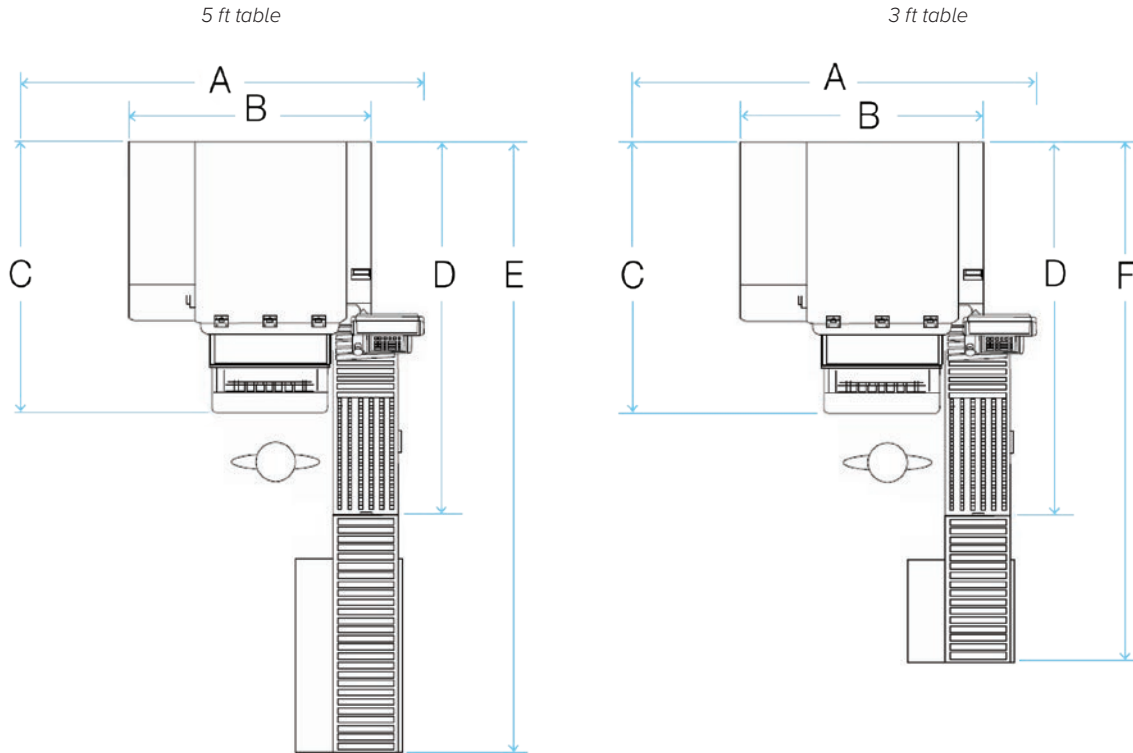
# Ishida WM-Ai

PC-based Wrapper with Automatic Label Applicator

## DIMENSIONS

Accessory Configurations (Drawings not to scale)

A	72.0 in (1,829 mm)	C	44.0 in (1,118 mm)	E	133.0 in (3,378 mm)	G	89.0 in (2,261 mm)
B	40.0 in (1,016 mm)	D	61.0 in (1,549 mm)	F	109.0 in (2,769 mm)		



\*Two feet of clearance is required on the left side for film loading.