

PIM

PACKAGING | INTERNATIONAL | MACHINERY

EXPERTS ON THE FIELD

WEIGHING AND PACKAGING



WHO WE ARE

Pim Machinery is a Dutch company with 35 years of world wide expertise in agricultural and industrial products. From weighers to automatic bag placers, sewing machines and crate fillers, we make it our mission to satisfy our customer's wishes. Our machines are the beating heart of your company.



MACHINERY OVERVIEW

We design, build and install state of the art machines based on your specific needs while delivering speed and accuracy like no other. PIM Machinery also delivers turn-key solutions, from storage to transport, for a complete configuration and automatization of your line,

WHAT WE DO



Multihead weighers



Packing and sewing machines



Automatic bag placers



Big Bag Fillers



Turn-key solutions

ABP

AUTOMATIC BAG PLACER

The Automatic Bag Placer is a compact and cost efficient solution to fully automate the process of packaging products in single bags. The ABP is designed to be integrated with a packaging machine taking over the manual operations, greatly increasing the efficiency of packing single bags while still keeping the possibilities to quickly switch between packaging type or size.

- ✓ Compact and reliable design
- ✓ Suitable for seed potato and export market
- ✓ Suitable for multiple bag sizes
- ✓ Easily integrated with existing machinery
- ✓ Easy to use and operator friendly



Suitable packaging type

Jute bags
Net bags
Woven fabric PP (Polypropylene)

Suitable packaging dimensions

W: 300-600 mm
L: 100-1100 mm

Packing range

25-50 kg

Weight of machine

± 750 kg

Power consumption

± 4 kW

Voltage

3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption

± 22 l/min, 6 bar

Options/Upgrades

Extra bag magazine

Recommended combinations

MHW - SAS

BBF

BIG BAG FILLER

The Big Bag Filler has been engineered to ensure continuous and reliable filling of multiple sizes of big bags, making the process fast and efficient, not only in terms of product handling but also in fork lift usage and personnel requirements. Designed with moving filling platforms ensuring a decrease in distance of falling product.

- ✓ Continuous and reliable filling process
- ✓ Gentle product handling
- ✓ Suitable for multiple packaging sizes
- ✓ Automatic bag capacity control
- ✓ Robust and movable design
- ✓ Customizable with multiple options



Suitable packaging type

Big bags (950x950 mm)

Suitable packaging dimensions

W: 950 x 950 mm
L: 950 - 2550 mm

Packing range

Max. 1250 kg

Capacity (kg/hr)

± 25.000 kg/hr

Weight of machine

± 1500 kg

Power consumption

± 4,75 kW

Voltage

3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption

± 0,5 l/min, 6 bar

Belt height setting

- Weighing modules
- Extra heavy hoisting components
- Integrated compressor
- Walk-in security options
- Safety fencing options
- Speed controlled filling belt

Recommended combinations

Elevator

BFL

AUTOMATIC CRATE AND CARTON FILLER

The Automatic Crate and Carton Filler is the perfect complement for your box/ crate filling lines. A reliable design, easy to integrate with existing machinery and compatible with manual or automatic box/ crate feeding system.

- ✓ Adjustable for high variety of packaging and sizes
- ✓ Smart and reliable design
- ✓ Easily integrated and installed with existing machinery
- ✓ Suitable for eco-friendly packaging
- ✓ Creates separation between each filled box



Suitable packaging type

Crates
Boxes

Suitable packaging dimensions

W: 270-490 mm

Belt speed

Accumulation belt: 0,36 m/s
Transport belt: 0,64 m/s

Weight of machine

± 400 kg

Power consumption

± 1kW

Voltage:

3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption

± 7 l/min, 6 bar

Belt height setting

min. 655mm
max. 1255mm

Recommended combinations

MHW

SAS

SEMI-AUTOMATIC SEWING MACHINE

The Semi-Automatic Sewing machine is the solution for bag filling followed by an automatic closing of the opening using high quality sewing equipment. Designed specifically for loose single bags and manually adjustable for high variety of bag dimensions. The SAS is easy to operate and can be easily integrated with your weighing and packaging lines.

- ✓ Suitable for high variety of packaging sizes
- ✓ Suitable for high variety of products
- ✓ Reliable and low maintenance design
- ✓ Customizable for your specific situation
- ✓ Easy to use and operator friendly



Suitable packaging type

Jute bags
Net bags
Woven fabric PP (Polypropylene)

Packing range

10kg - 50kg

Capacity (bags/hr)

25kg: 600-750 bags/hr
50kg: 450-550 bags/hr

Weight of machine

± 700 kg

Power consumption

± 3 kW

Voltage

3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption

± 15 l/min, 5 bar

Options/Upgrades

- Double discharge-belt
- Along-moving side supports
- Configurable Sewing-head
- Certificate-dispenser
- Sewing thread break-detection
- Sewing needle break-detection
- Lint break-detection

Recommended combinations

ABP

HAS

AUTOMATIC ROLLSTOCK BAGGING & SEWING MACHINE

The Automatic bagging & sewing machine provides a fast and efficient system of filling bags and closing them using high quality sewing equipment. By the usage of a uniquely designed moving orifice system, the machine is known for a quick and reliable filling process while also handling the product in a gentle way. The HAS is designed for more conservative budgets with manual adjustments depending on the desired roll stock bag size. This makes it the ideal machine for fast and continues packaging using consistent weights and sizes.



- ✓ Gentle and efficient product handling
- ✓ Suitable for high variety of packaging sizes
- ✓ Suitable for high variety of products
- ✓ Reliable design
- ✓ Customizable for your specific situation

Suitable packaging type
Roll stock mesh bags

Packing range
2,5kg - 25kg

Capacity (bags/hr)
2,5 - 5 kg: 1250 bags/hr
5 - 12,5 kg: 1100 bags/hr
12,5 - 25 kg: 1000 bags/hr

Weight of machine
± 1000 kg

Power consumption
± 5,5 kW

Voltage
3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption
± 25 l/min, 8 bar

Options/Upgrades

- Along-moving side supports
- Vibrating unit for better settlement
- Certificate-dispenser
- Configurable Sewing-head
- Sewing thread break-detection
- Sewing needle break-detection
- Lint break-detection
- Broken bag detection

Recommended combinations
MHW

FAS

AUTOMATIC ROLLSTOCK BAGGING & SEWING MACHINE

The automatic rollstock bagging & sewing machine provides a complete system for filling and closing bags by using high quality sewing equipment. The usage of a uniquely designed filling system makes the machine quick and reliable but also gentle while handling the product (even with bigger products). This automatic machine is designed with electrical controlled settings making it able to quickly switch between bag dimensions. This makes it perfect for fast paced and continuous packaging even with variable packaging in terms of weights and sizes.



- ✓ Gentle and efficient product handling
- ✓ Suitable for high variety of packaging sizes
- ✓ Automatic adjustable for quickly switching between bag sizes
- ✓ Suitable for high variety of products
- ✓ Reliable design
- ✓ Customizable for your specific situation

Suitable packaging type
Roll stock mesh bags

Packing range
2,5kg - 25kg

Capacity (bags/hr)
2,5 - 5 kg: 1250 bags/hr
5 - 12,5 kg: 1100 bags/hr
12,5 - 25 kg: 1000 bags/hr

Weight of machine
± 1100 kg

Power consumption
± 7 kW

Voltage
3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Air consumption
± 25 l/min, 8 bar

Options/Upgrades

- Along-moving side supports
- Vibrating unit for better settlement
- Certificate-dispenser
- Sewing thread break-detection
- Sewing needle break-detection
- Lint break-detection
- Broken bag detection

Configurable

Configurable Sewing-head

Recommended combinations

MHW

MHW10

MULTI HEAD WEIGHER SINGLE ROW

The Multi Head Weigher 10 is a single row weigher with a compact design that can be easily intergraded to the rest of your existing line. The MHW10 contains a lot of customizable and adjustable features to offer you the most efficient weighing process according to your product and your priorities.

- ✓ Self-learning and adjusting product flow efficiency
- ✓ Suitable for both high precision and high speed operation
- ✓ Adjustable speed/precision ratio for the best efficiency in all situations
- ✓ Gentle product handling
- ✓ Smart, User-friendly and reliable design
- ✓ Customizable for the best efficiency according to your specific situation

Discharge systems

- ✓ Side discharge - Single belt system
- ✓ Side discharge - Double belt system
- ✓ Mid front discharge



Weighing range (discharge units):
1 - 50 kg

| | |
|--------|-------------|
| 2,5 kg | 1200 - 1350 |
| 5 kg | 1150 - 1300 |
| 10 kg | 900 - 1025 |
| 15 kg | 850 - 960 |
| 25 kg | 800 - 900 |
| 50 kg | 500 - 600 |

Power consumption
± 2,5 kW

Air consumption
± 5,5 l/discharge, 6-7 bar

Voltage
3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Capacity/Discharge system
(discharges per hour)

Single bi-directional belt
1 kg 1225 - 1375

| | |
|----------------------------|-------------|
| Double bi-directional belt | |
| 1 kg | 1230 - 1385 |
| 2,5 kg | 1250 - 1375 |
| 5 kg | 1225 - 1375 |
| 10 kg | 1125 - 1350 |
| 15 kg | 1050 - 1340 |
| 25 kg | 1000 - 1320 |
| 50 kg | 620 - 725 |

| | |
|----------------------------|-------------|
| Double bi-directional belt | |
| 1 kg | 1900 - 2450 |
| 2,5 kg | 1850 - 2400 |
| 5 kg | 1800 - 2350 |
| 10 kg | 1450 - 1850 |

Options/Upgrades

- Configurable discharge systems
- Configurable weighing-buckets
- Configurable product seals & guidance
- Configurable product-detection & sensor systems
- Optional soft-landing
- Optional crate discharge system
- Optional operators platform

MHW12

MULTI HEAD WEIGHER DOUBLE ROW

The Multi Head Weigher 12 is a double row weigher with a smaller design for the budget conscious customer who is looking for a precise and fast machine that can be easily integrated with their existing line. With the many customizable and adjustable features, the machine can be accurately set-up and fine-tuned according to your product type, capacity and demands. The MHW12 is known for its high-precision and speed ratio.

- ✓ Self-learning and adjusting product flow efficiency
- ✓ Suitable for high precision and high speed operation
- ✓ Adjustable speed/precision ratio for the best efficiency in all situations
- ✓ Gentle product handling
- ✓ Smart, User-friendly and reliable design
- ✓ Customizable for the best efficiency according to your specific situation



Discharge systems

- ✓ Side discharge - Single belt system
- ✓ Side discharge - Double belt system

Weighing range (discharge units):
1 - 50 kg

| | |
|--------|-------------|
| 2,5 kg | 1350 - 1500 |
| 5 kg | 1350 - 1450 |
| 10 kg | 1300 - 1450 |
| 15 kg | 1275 - 1400 |
| 25 kg | 1200 - 1375 |
| 50kg | 650 - 700 |

Power consumption
± 2,87 kW

Air consumption
± 6,6 l/discharge, 6-7 bar

Voltage
3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

Capacity/Discharge system
(discharges per hour)

Single bi-directional belt
1 kg 1350 - 1500

| | |
|----------------------------|-------------|
| Double bi-directional belt | |
| 1 kg | 1900 - 2400 |
| 2,5 kg | 1870 - 2400 |
| 5 kg | 1800 - 2200 |
| 10 kg | 1500 - 2000 |
| 15 kg | 1450 - 1850 |
| 25 kg | 1400 - 1750 |
| 50 kg | 850 - 1020 |

Options/Upgrades

- Configurable discharge systems
- Configurable weighing-buckets
- Configurable product seals & guidance
- Configurable product-detection & sensor systems
- Optional soft-landing
- Optional crate discharge system
- Optional operators platform

MHW16

MULTI HEAD WEIGHER DOUBLE ROW

The Multi Head Weigher 16 is a double row weigher specially designed for processing bigger capacities with a high precision rate. Engineered with a double row of 8 buckets on each side controlled by uniquely developed continuous self-learning software, the MHW16 can process a high amount of weight combinations, translating into discharging you desired packaging weights with increased accuracy and faster operation speed.

- ✓ Self-learning and adjusting product flow efficiency
- ✓ Suitable for high precision and high speed operation
- ✓ Adjustable speed/precision ratio for the best efficiency in all situations
- ✓ Gentle product handling
- ✓ Smart, User-friendly and reliable design
- ✓ Customizable for the best efficiency according to your specific situation

Discharge systems

- ✓ Side discharge - Single belt system
- ✓ Side discharge - Double belt system



Weighing range (discharge units):
1 - 50 kg

Power consumption
± 2,87 kW

Air consumption
± 8,7 l/discharge, 6-7 bar

Voltage
3x 400V/230V, -0- + ground, 50 Hz
3x 480/277V, -0- + ground, 60 Hz

**Capacity/Discharge system
(discharges per hour)**

Single bi-directional belt

| | |
|--------|-------------|
| 1 kg | 1350 - 1450 |
| 2,5 kg | 1350 - 1450 |
| 5 kg | 1350 - 1425 |
| 10 kg | 1350 - 1400 |
| 15 kg | 1350 - 1400 |
| 25 kg | 1250 - 1400 |
| 50 kg | 900 - 980 |

Double bi-directional belt

| | |
|--------|-------------|
| 1 kg | 2450 - 2650 |
| 2,5 kg | 2450 - 2650 |
| 5 kg | 2400 - 2570 |
| 10 kg | 2030 - 2500 |
| 15 kg | 1975 - 2400 |

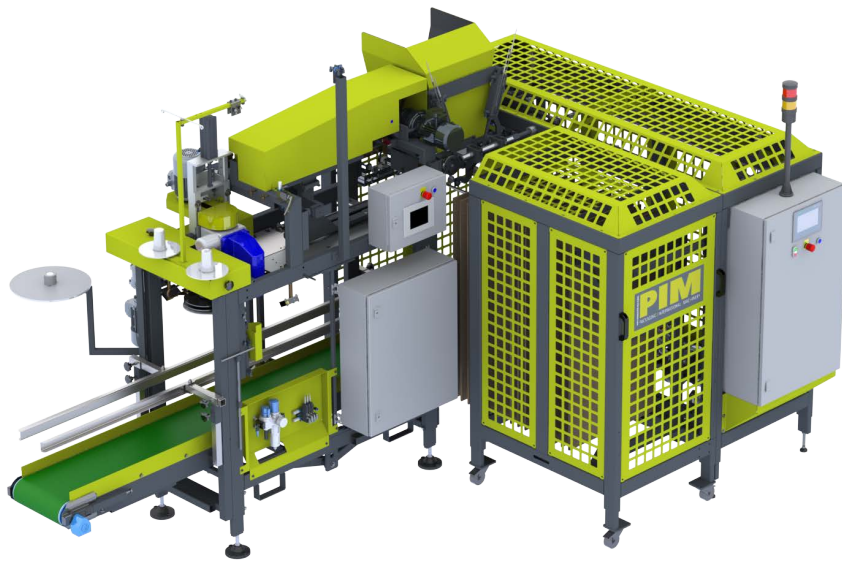
| | |
|-------|-------------|
| 25 kg | 1900 - 2400 |
| 50 kg | 1200 - 1440 |

Options/Upgrades

- Configurable discharge systems
- Configurable weighing-buckets
- Configurable product seals & guidance
- Configurable product-detection & sensor systems
- Optional soft-landing
- Optional crate discharge system
- Optional operators platform

POSSIBLE COMBINATIONS

ABP + SAS



MHW10 + ABP + SAS



POSSIBLE COMBINATIONS

Big Bag Filler + Elevator



MHW10 + BFL

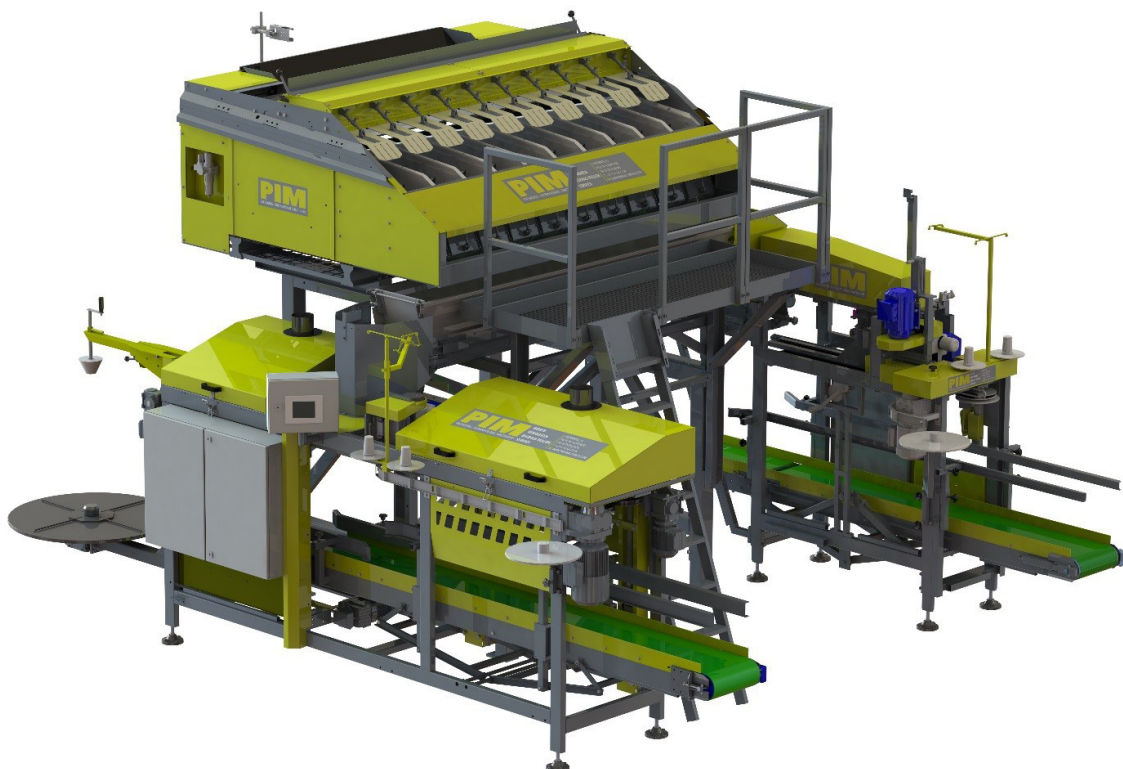


POSSIBLE COMBINATIONS

MHW10 + HAS/FAS



MHW10 + HAS + SAS





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