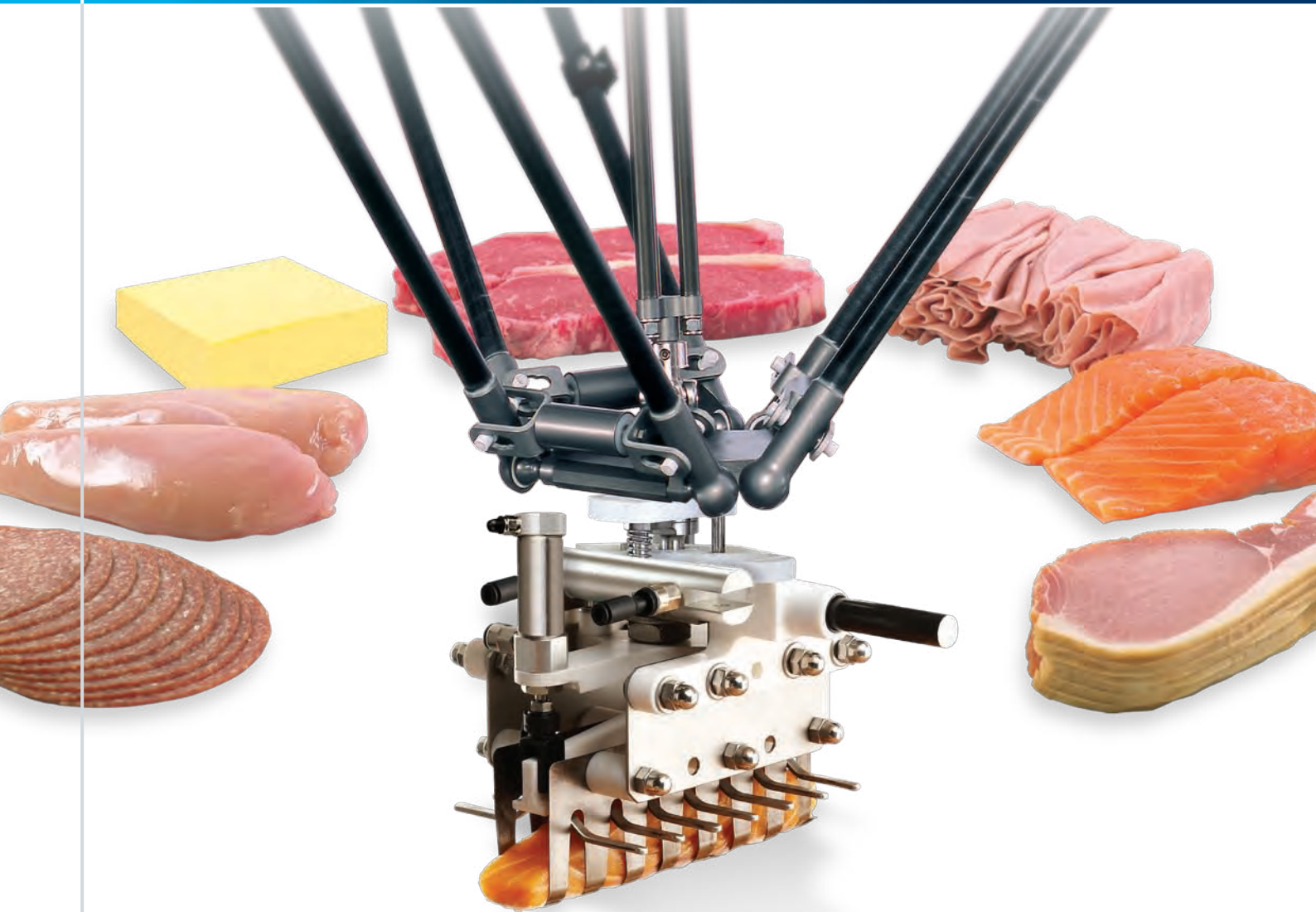


Intelligent Portion Loading Robot

Automatic loading of fresh and cooked meat, bacon, poultry and fish.



- Loads and grades portions into trays or a thermoformer
- Up to 6 loading heads give high volume production
- Superb product presentation
- Infinite variety of pack formats



Intelligent Portion Loading Robot (IPL Robot)

Marel's **Intelligent Portion Loading Robot (IPL Robot)** will pick up portions or groups of products such as bacon, cooked or fresh meat, fish, cheese or poultry and place them into trays or a thermoformer.

The **IPL Robot** uses vision technology to accurately identify the position and orientation of the incoming portions. This enables the machine's unique pick-up head to lift, turn and transfer the portions to the pack with great accuracy.

When combined with a Marel checkweigher, portioning slicer or saw, the advantages of high output, space saving and flexibility become very obvious.

Grading

The **IPL Robot vision system** is able to recognise a variety of product characteristics such as size or shape and can be programmed to place or divert products according to the requirements of the user.

Flexibility

With 99 product programme memories, product changeovers can be made quickly and simply.

For high volume applications, **IPL Robot's** vision control system can operate up to 6 loading heads. If required – in multiple head applications – each head can be programmed to produce a different pack format.

Hygiene

All product contact parts are manufactured from stainless steel and food grade materials and can be quickly and easily removed for cleaning.

IPL Robot can be tailored precisely to production needs. It can be integrated with a wide range of machines in a production system e.g. slicers, saws, thermoformers and tray sealers.

Loads and grades portions into trays or a thermoformer.

Up to 6 loading heads give high volume production.



Patented product gripper

Operates stand-alone or can be integrated into a wide range of systems.

Superb presentation in an infinite variety of pack formats.

Features and Benefits

- A range of patented and patents pending product grippers enable portions or groups of products to be loaded gently and accurately into trays or thermoformers.
- Vision technology provides various grading options such as size or shape.
- 99 product programme memories allow fast production changeovers.
- Available with up to 6 loading heads depending on production requirements.
- A range of fast change product grippers is available for different products.
- Quickly removable product contact parts for easy cleaning.
- Operates stand-alone or can be integrated into a wide range of manual or automatic production lines.

Typical integrated systems

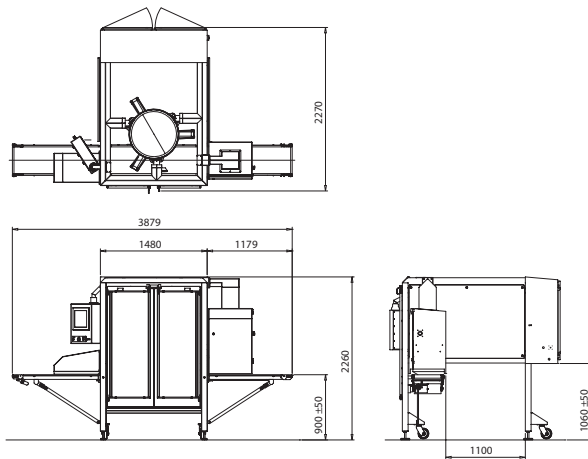
PolySlicer 3000 Vision and PolySlicer 1000 for cooked meats and cheese

IBS2000 Vision and IBS3000 Profile for high speed bacon lines

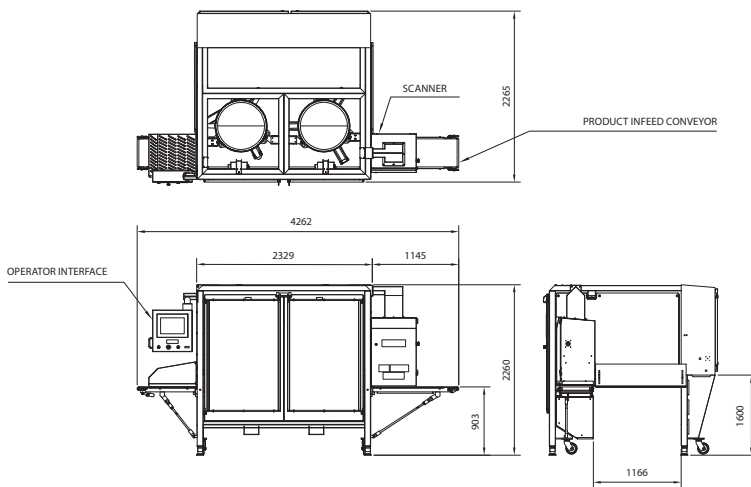
I-Cut Portioners for fresh meat, poultry and fish



IPL Robot



IPL Robot single head



IPL Robot twin head

Technical Information

Speed: Product dependent. Picks and places up to 80 units/min./head

Conveyor speed: 36m/min. maximum

Product Programmes: 99

Electrical Supply: 380–460V ± 10% 3 phase + earth 12 kVA (single head)

Air Supply: 20 l/min. Free Air/head

Net Weight: 1300kg/head

Marel machines carry CE certification.

For further information please logon to: www.marel.com

