

# Compact Grader

Flexible solution providing accurate grading and batching



## Flexible all-in-one solution

Marel's Compact Grader is a stand-alone solution designed to fulfill the needs of smaller operators, and larger ones, when requiring the excess capacity to handle temporary or seasonal overflows.

It consists of an infeed section, dynamic weighing and discharge with optional grading and batching processes for catch and best fit batching.

The Compact Grader may be used in various food processing industries:

- Whole birds, fresh and frozen poultry elements
- Whole fish, fresh and frozen fillets
- Meat fresh and frozen

## Plug and play

The Compact Grader is straightforward to install and operate, and with minimal effort, and the height may be adjusted from 850 mm to 1,250 mm. Marel offers a simple setup procedure with pictures instead of text and requires minimal training.

## Hygienic and robust design

To achieve and maintain a high degree of cleanliness, the Marel Compact Grader is designed to make cleaning both trouble-free and effective. Smooth, rounded edges minimize areas where

food can trap and meets the most stringent food hygiene requirements. The Compact Grader is also designed to withstand the high-pressure washdowns of the food processing environment.

The Compact Grader is built to maximize operational efficiency and equipment uptime.

- Easy to install and operate
- Multiple programs, simple reports and process overview with Innova Software
- Hygienic, easy to clean design
- Compact footprint
- Low cost of ownership



### Advanced technology

The Compact Grader comes with accurate weighing technology that filters out disturbances and automatically adjusts the weighing process. With the addition of Innova Food Production Software, data collection is continuous, and process overviews are accessible with real-time monitoring, reporting, and traceability throughout the entire process.

### Optional features

The Compact Grader comes in three main versions:

- CG450 2x3 and 2x4 gates
- CG600 2x3 and 2x4 gates
- CG900 2x3 gates

Batch light panel left and right

End shelf for a box

Tables at the gates

Batching bins with push buttons and tables

Spray unit on the conveyor belt

Drip Pan

### Technical features

| Compact Grader model | CG450              | CG600            | CG900            |
|----------------------|--------------------|------------------|------------------|
| Max product length   | 250 mm / 10 in     | 400 mm / 16 in   | 700 mm / 28 in   |
| Max product width    | 250 mm / 10 in     | 250 mm / 10 in   | 250 mm / 10 in   |
| Weight range         | 40-3,000 g         | 40-3,000 g       | 40-3,000 g       |
| Raw material         | non-sticky product |                  |                  |
| Max throughput       | 160 pcs/min        | 120 pcs/min      | 80 pcs/min       |
| Gate division        | 475 mm / 18.7 in   | 475 mm / 18.7 in | 650 mm / 25.6 in |

### Basic operational principles

The Compact Grader is equipped to perform:

- Simple grading by weight
- Smart batching by weight or piece count
- Best fit batching results in reduced giveaway



PR204\_EN\_19-08

Marel is the leading global provider of advanced equipment and systems for the fish, meat and poultry industries.