

# ProLine Grader

Flexible grading and batching



- Tailored to suit your exact grading & batching needs
- Provides a fast return on investment
- Minimizes operational & maintenance costs



# The ProLine pledge: The right combination at the right price



Marel ProLine Graders are a versatile suite of standardized, modular options designed to fulfill a wide range of grading and batching needs. Choosing a grader could not be easier. Together we define your needs, choose from the flexible group of ProLine modular options and add-on components, and assemble a cost-effective grader package that fits your operation like a glove.

## User-friendly grading and batching

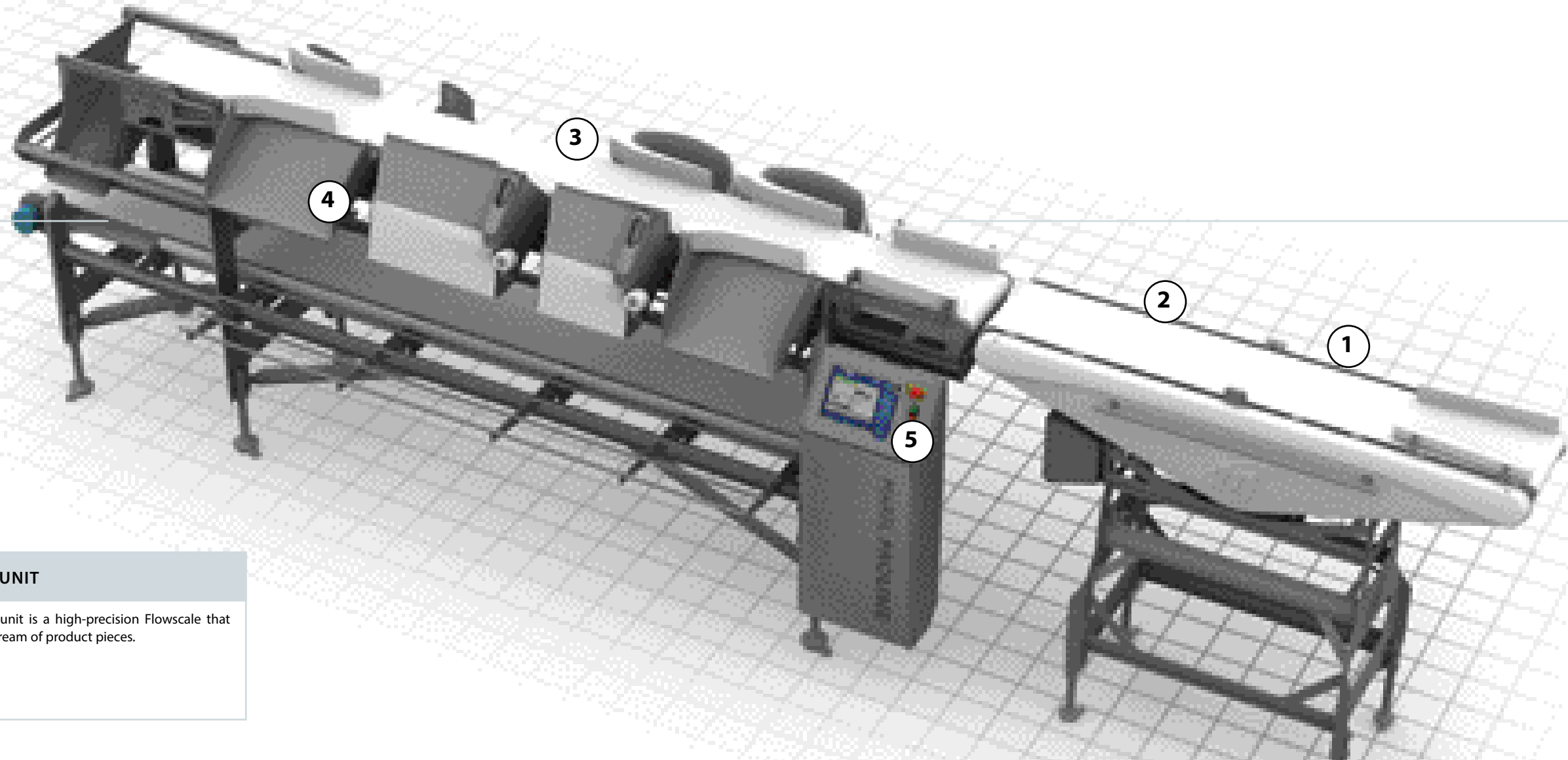
ProLine Graders are easy to set up and operate. They are available with full grading and batching capabilities, including intelligent batching, and are equipped with the user-friendly M3000 graphical interface available in several languages.

## Hygienic and easy to clean

The main structure of the ProLine graders is non-tubular with as few horizontal surfaces as possible. It is quick and easy to put the ProLine Graders in a washing position that gives access to all parts for cleaning.

## Low maintenance and operational costs

ProLine Graders are constructed with high-quality components that ensure long life and low maintenance. Operational costs are kept at a minimum with low air consumption, no lubrication and efficient drum motors. The simple, innovative construction and easy adjustments keep maintenance costs low.



### 1 WEIGHING UNIT

The ProLine weighing unit is a high-precision Flowscale that weighs a continuous stream of product pieces.

### 2 PLATFORMS

Up to ten different platform sizes are available; from 400mm to 900mm. Dual-platform combinations are also available, ranging from 200+500mm to 900+400mm.

### 3 GATES AND DIVISIONS

The grader is available with gates on either one or both sides. The gate divisions are flexible depending on functionality and gate selection.

### 4 BATCHING BINS AND CHUTES

The ProLine Grader is available with various types of bins and chutes, including batching bins with bag holders, non-sticky plastic bins, and manual closing bins and chutes.

### 5 M3000 INDUSTRIAL CONTROLLER

Control is provided through the M3000 graphical color interface, which is touch-sensitive, user-friendly and IP67/NEMA water resistant. The interface is available in several languages. A built-in Ethernet connection provides links to standard PCs and the Innova Grading module.



### Innova Grading

Marel's production management software enables users to monitor and control all grading operations in a single system, providing full control of the grading process from an office PC or process floor terminal. The Innova database records information in real time about graded pieces and batches produced, enabling users to monitor all aspects of the grading process including throughput, batch giveaway, weight distribution and size/quality breakdown. Batches from the grader can be labeled, palletized and assigned to orders and/or stock.

The software generates a broad range of standard reports providing detailed information on the grading process for any given period, and can generate reports that show grading results based on multiple grading parameters.

### M3000 Industrial Controller

The M3000 provides full production control for stand-alone graders, and operates seamlessly with Innova Grading. It also features flexible access control, which prevents unauthorized personnel from changing settings. When needed, the M3000 can also control infeeds and take away systems.

#### Technical specifications

<b>Temperature range</b>	+7°C to +40°C (+45°F to +104°F)	
<b>Platform sizes</b>	400, 500, 700, 900, 200+500, 200+700, 500+400, 700+400, 900+400	
<b>Dimensions</b>	Height	1350/1650mm +/-100mm
	Number of platforms	1 or 2
	Belt width	305mm (effective width 290mm)
	Minimum division	470mm, 700mm, 1400mm
<b>Construction</b>	Material	AISI 304 stainless steel and PE500 plastic
<b>Capacity</b>	Throughput	Up to 160 pieces per minute*
	Belt speed	0.8 – 1.8 m/s
<b>Application</b>	Raw material	Most non-sticky products
	Raw material, size	Max. length 1100mm, max. width 280mm
	Raw material, weight	20g–20kg
<b>Consumption</b>	Air 80 l/min at 180 pieces/min	
<b>Power</b>	Voltage 3 x 400 V + N / 3 x 230 V 50/60 Hz	

\*depending on product type, product dimensions and size distribution



## Marel

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