



# G-Flex™ Feeder

Flexible Parts Feeding Solution



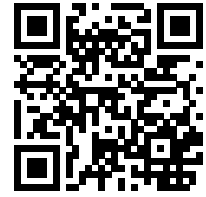
PROVEN QUALITY. LEADING TECHNOLOGY.

# Born out of necessity. Designed from experience.

Founded in 1926, Graco is a leading global manufacturer and marketer of fluid handling systems and components. The company's success has been built on its unwavering commitment to technical excellence and world-class manufacturing.

Several years ago Graco was involved in a manufacturing automation project and struggled to find suitable commercially available parts feeding solutions to work with vision guided robots. Bowl feeders lacked the desired flexibility and we knew from experience that they can be a source of ongoing maintenance, cost, and headaches.

As a result, Graco engineers developed the G-Flex Flexible Parts Feeding Solution and placed several into operation within our own factory. Since that time, multiple G-Flex Solutions have been put into action in more Graco factories, and the results have been simply outstanding!



[See It In Action](#)



## Delivers Flexible Feeding Benefits

- Seamless part change-over without time consuming and costly set-up
- High tolerance for process contamination (oily parts, chips, etc. are no problem)
- Easily accommodates a wide range of part sizes and shapes

## Stand-Alone, Easy-to-Integrate Package

- One size fits most applications
- Minimal interface is required – simply connect power and one PLC input

## Great Value

- Attractively priced as compared to complicated bowl feeders
- Pre-configured to meet most applications – significantly shorter delivery lead times compared to unique and highly customized bowl feeders



One Unit, Numerous Applications. Modern Manufacturing At Its *Best*.



## Handles a Wide Range of Part Sizes and Geometries

- Proven to work with a wide range of part sizes and shapes  
Pictured Right: Sample part types and sizes used with G-Flex



## Integrated Controls

- Fully adjustable vibration magnitude, giving you control of part movement and speed
- Active feedback from table to controller automatically adjusts vibration frequency as more or less weight is added to the recirculating table
- Pin out / password protected access



## Easy to Place in Service

- Only 2 points of connection required
  1. Connect power to junction box
  2. Connect PLC input via M12 connection

For patent information see  
[www.graco.com/patents](http://www.graco.com/patents)

G-Flex Feeder shown with optional Camera Stand Assembly, Camera Mounting Plate, and Camera



### Large Capacity Hopper

- Dispenses parts on-demand from hopper to table
- Fill your hopper while your line is running – no more production interruptions



### Uniquely Designed Feeder Table

- Recirculates parts that are not locatable, bringing them back to robot's field of view
- Specifically selected carpet geometries keep the widest range of parts in circulation
- Chamfered corners help prevent part accumulation



### Heavy-Duty Base

- Durable 0.5 inch (1.3 cm) plate steel stand
- Solid 1.0 inch (2.5 cm) steel hopper platform and 1.5 inch (3.8 cm) steel table platform provides extra rigidity and support



**Ultimate Flexibility!**

Buy it once, redeploy it to new parts if your process changes with virtually no added investment.

# Customize Your Performance

Innovative Accessories for Specific Applications



## **DESCRIPTION**

### **Camera Stand Assembly**

- Designed to provide maximum field of view when used in conjunction with the G-Flex Feeder
- Fully adjustable, providing a custom fit on every application
- 5 positions / 7.5 in (19.0 cm) height adjustment

## **PART NO.**

16V689



### **Camera Mounting Plate**

- Steel mounting plate with pre-drilled holes for common Sony® and Cognex® cameras



16V690

### **Stacked Part Eliminator**

- Eliminates stacking of parts on table
- Raise or lower contact point to wipe stacked parts to a single layer
- Reversible, select rigid wiper or brush



16V687



### **Part Separator**

- Separates parts as they pass through pins, improving target part identification
- Add, subtract, or slide pins to achieve optimum part separation



16V688



### **Part Feed Optimizer**

- Helps contain parts until delivery is desired
- Adjustable clearance for a custom fit



16W839

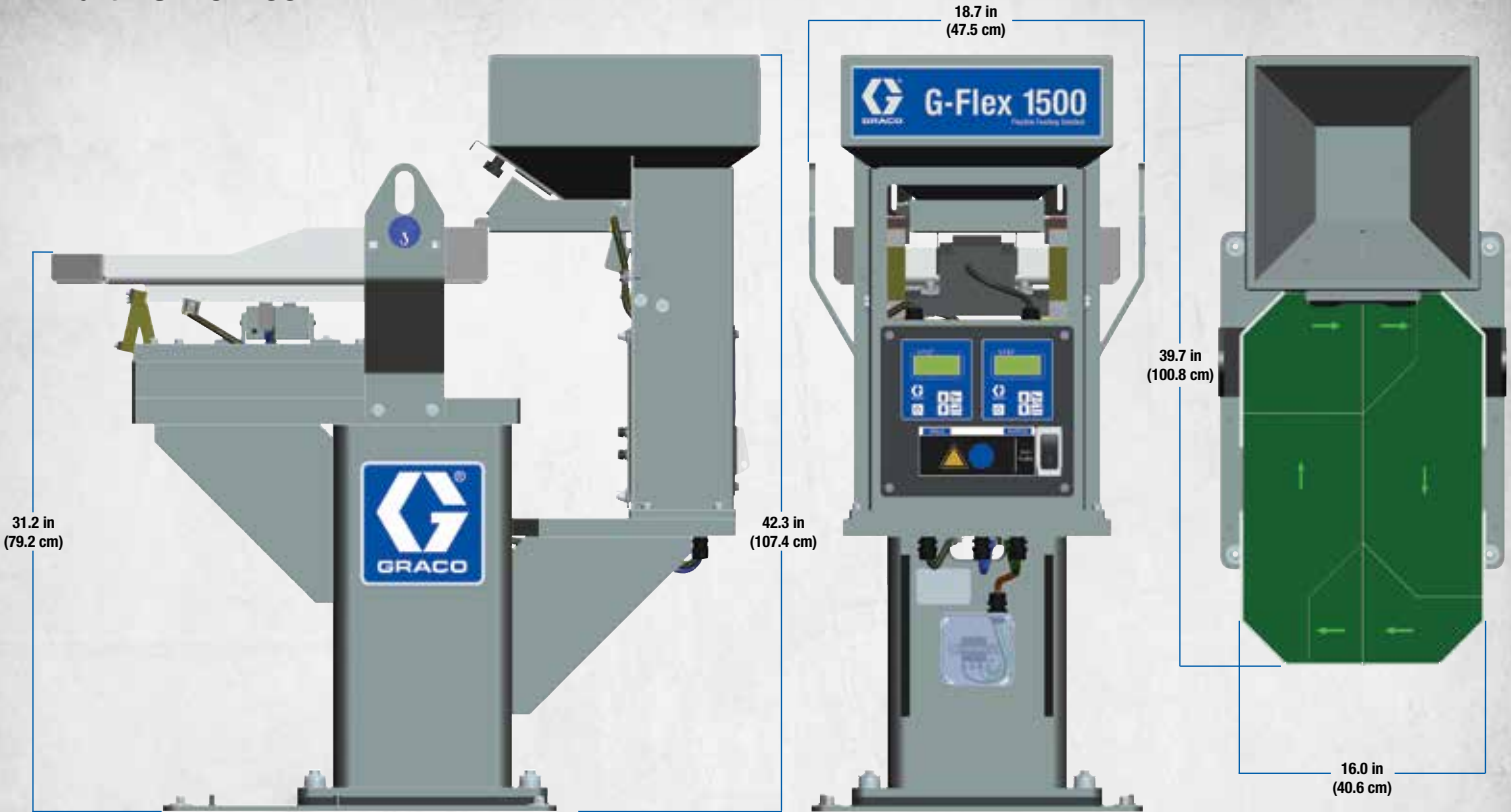






# G-Flex 1500 Feeder

Part No. 16V133



## G-Flex 1500 Feeder Specifications

**Hopper Capacity:** 0.9 ft<sup>3</sup> (0.25 m<sup>3</sup>)

**Table Size:** 15 in W x 24 in L (38.1 cm W x 61.0 cm L)

**Maximum Part Size:** 3 in W x 3 in L x 1.5 in H (7.6 cm W x 7.6 cm L x 3.8 cm H)

**Connections:** Power – 110 VAC, 60 Hz  
PLC Input – M12 Connection

**SALES/  
DISTRIBUTION/  
SERVICE**

For more information contact us at 855-312-5349 or visit our website at [www.graco.com](http://www.graco.com)

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