
DG FLEXFEEDER 601

SMALL AND COMPACT YET POWERFUL



Flexible feeder for small and tiny products

With this innovative vibratory feeder, you elevate your production flow to new heights with key advantages that no one else can match. The DG FlexFeeder 601 is not only Detab's smallest vibratory feeder – it is specifically designed to handle the tiniest components with great precision. Perfect for details ranging from 1-50 mm, this powerful machine ensures that no component is too small to be managed smoothly and efficiently.

Compact design yet powerful

DG 601's small footprint makes it easy to adapt and fit your shopfloor. Suitable for standalone production or configured in a larger system such as robotic cells or kitting solutions. The true strength lays in its ease-of-use and the ability to teach-in up to 1500 unique part numbers, depending on geometry. Giving you a world class, flexible parts feeding machine, designed to fit your specific task of the day.

A Smart and Integrated vision system

DG FlexFeeder 601 is equipped with the integrated vision system Ecovision 6000, taking functionality to a whole new level. With its lightning-fast identification and verification of products in under 2 milliseconds, Ecovision 6000 guarantees an efficient counting of components in packaging applications.

Our flexible vibration feeding systems, DG FlexFeeders, are made to make part handling and packing processes smoother, faster, quieter, more flexible, and above all profitable. We create products and services that cater to your expectations and will continue to evolve to meet your needs. We want you, our customers to have a competitive advantage, that's what you will get with our DG FlexFeeders.

In robot applications and other automation processes, Ecovision 6000 enables loading of components with correct orientation.

Why greater than a bowl feeder?

With a noise level not exceeding 65dB, the DG 601 offers you not only great flexibility and fast parts feeding, it's also one of the most silent solutions on the market. A bowl feeder generates in general over 78dB.

We believe in one machine to handle the many, without taking away the precision or functionality. A key feature that generate a solution that take limited with space compared with a bowl feeder that is optimized for one or a few components.

Features

- Standard machine for most flexible parts feeding
- Built for stand-alone use or integrated in larger cell
- Sorting, positioning and counting of workpieces
- Low cycle times and gentle handling of parts.
- Optimized for handling fragile workpieces
- Ease of use
- If required more buffer, one of our steel magazines can be added, 30L, 45L or 100L

Technical information DG 601

	Description
Footprint	1,61m ²
Height	1510mm (±50mm)
Width	1100 mm
Length	1400 mm
Main voltage	230 or 400 V, 50 Hz
Power consumption [W]	max 500 W
Air pressure [bar]	max 6 bar
Sound level (w.o. parts)	53 dB
Operating temperature	max 35°C

The Benefits

- Standard machine for flexible parts feeding to a low cost
- Ability to teach in 1500 unique part numbers
- Easy to operate with fast teach-in time
- Small footprint, from 1,61m²
- Low noise level, 53-55dB

Measurements components DG FlexFeeder 601

- Width (mm) 1-50
- Height (mm) 1-35
- Length (mm) 3-60
- Max weight (kg) 0,1
- Speed (pcs/min) upp to 500

