



# Uflex

## UFLEX

ULTIMATE FLEXIBILITY. SIMPLIFIED AUTOMATION.

The Uflex™ flexible automation platform breaks traditional automation barriers with the ability to easily reconfigure for a wide range of applications. It accommodates an array of different process modules and feeding options to perform virtually any automation task, supporting up to four independent modules.

Uflex is the ultimate flexible assembly cell for all forms of odd-form insertion and mechanical assembly operations, alleviating the need for dedicated, hard-tooled systems. Features include:

- Inserts axial, radial and press-fit components
- Easily adapts to new applications/processes
- Small footprint: only 1.0m wide x 1.7m deep
- Supports a combination of up to 4 total pneumatic grippers and/or vacuum grippers/nozzles
- Accommodates large substrates
- Handles a variety of large/heavy components
- Available offline programming



### **BENEFITS & VALUE**



SUPPORTS A VARIETY OF PROCESSES

Pick-and-place, insertion, dispensing, screw driving, labeling, test handling, and



HANDLES MOST COMPONENTS

Versatile tooling supports full range of



SUPPORT FOR EXTREME APPLICATIONS

Large substrates up to 630mm x 508mm; Components up to 127mm x 127mm, 70mm tall and 450g in weight



radial, axial and press-fit components



LOW COST PER INSERTION

Can lower the cost per insertion by >95% versus manual assembly while substantially improving quality and yield



HIGH INSERTION ACCURACY

**100%** vision of all leads and features before inserting



SUPPORT FOR A VARIETY OF INPUT TYPES

Portfolio of reliable feeding solutions accommodate a range of components and packaging: tape, tray, tube, track, and bowl











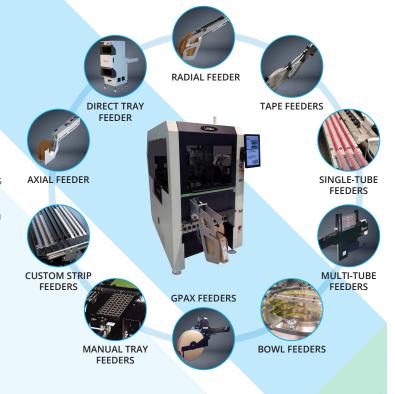
#### Notes:

- 1. Using standard components and nozzles under optimal conditions
- 2. PWB hole ≥ component PIN diameter 0.6mm

#### Comprehensive feeder portfolio

Uflex supports a range of robust component input solutions, with many application-specific and specialized feeding options available.

- Stacking tray feeding with optional endeffector component rotation
- Pre-sequencing shuttles with vibration tables for bulk components
- Stacking feeders for thin lead frame/preform components
- Lead forming radial feeders for simple or complex lead bends



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