

IntelliFlex™ Feeding System



Robot Solutions

Factory Automation

High-performance parts-feeding solution with easy integration.

Shown with T3 All-in-One SCARA Robot, Vision Guide System and IntelliFlex 240 Feeder. All components sold separately.

High-performance parts-feeding solution — powered by Epson® robots, IntelliFlex Software, and Vision Guide

Simple setup and configuration — fully integrated with Epson RC+® Development Software

Point-and-click interface — helps reduce the typical development time required for advanced applications

Flexible parts handling — four feeder sizes; supports parts from 3 to 15 mm, 5 to 40 mm, 15 to 60 mm and 30 to 150 mm

Quick parts changeover — feeder offers easy setup to accommodate different parts to help reduce total cost of ownership

Compatible with a wide range of parts — supports simple to complex parts, as well as delicate materials

Smart auto-tuning — automatically adjusts the feeder parameters for new parts setup

Unique directional vibration capabilities — multi-axis vibration technology for optimized parts control and singulation

Backlight options — red, green, blue, white and infrared available

Tray configuration options — ESD, anti-static and anti-rolling available (varies by model)

Flexible Feeder Specifications				
Model Name	IntelliFlex 80	IntelliFlex 240	IntelliFlex 380	IntelliFlex 530
Model Number	RIF80	RIF240	RIF380	RIF530
Part Size Dimensions	3 - 15 mm	5 - 40 mm	15 - 60 mm	30 - 150 mm
Max Surface Load per Feeder	0.05 kg	0.40 kg	1.5 kg	2.0 kg
Communication	Ethernet (TCP/IP)			
Power Supply	24 V / 6 A	24 V / 8 A	24 V / 20 A	24 V / 20 A
Vibration Platform (Length x Width)	65 x 52 mm	195 x 150 mm	254 x 325 mm	427 x 371 mm
Footprint (Length x Width x Height)	320 x 65 x 140 mm	300 x 171 x 132 mm	499 x 257 x 307 mm	600 x 372 x 320 mm
Compatible Robot Series	SCARA: G/LS-B/RS/T 6-Axis: C/N/VT			
Vision Integration	Vision Guide PV1 and CV2			
Software Features				
Max # of Feeders Supported per Robot Controller (All-in-Ones)	2			
Max # of Feeders Supported per Robot Controller (RC700A & RC90B)	4			
Max # of Robots Sharing the Same Feeder at the Same Time (RC700A with Drive Units only)	2			
Max # of Robots Sharing the Same Feeder at the Same Time (RC90B & All-in-Ones)	1			
Max # of Unique Parts per Feeder Running at the Same Time	4			
Max # of Parts per Development Environment Project (Epson RC+)	16			
Purge Software Function (IntelliFlex 80 requires purge calibration)	Supported			
Options				
Purge Hardware	Optional hardware required	Feeder customization required	Optional hardware required	
Integrated Backlight Options	White / Red / Infrared / Green / Blue			
Tray Configuration Options	Black Anti-rolling ESD (Anti-static) Anti-stick			Black Anti-rolling Anti-stick
Hopper Sizes	0.16 L	2 L / 3 L	10 L	15 L
What's in the Box?	Flexible Feeder, IntelliFlex Software, Power and Communication Cables			

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