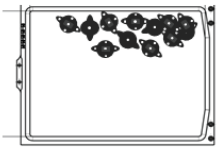


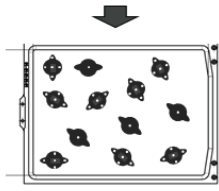
FlexCube 50

The FlexCube 50 vibrating platform is the ideal flexible feeder for small components **from 0.1 to 5mm** for flat and cube-like parts, and up to 10 mm for long parts (e.g. pins, needles, clamps, plastic parts, etc.).

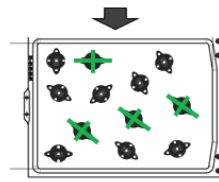
- FlexCube 50 is the ideal feeder when flexibility is demanded in production. Vibrating feeding platforms are typically used in combination with a vision system and a robot, feeding parts of any shape and geometry. The patented 3-axis vibration technology allows to handle even sensitive parts highly reliably.
- Parts are spread homogeneously on the feeder surface and can even be systematically oriented in many cases by using intelligent vibration patterns in combination with a structured plate. Entire part families can thus be handled with a single feeder, making the system highly future-proof.



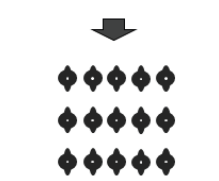
Bulk parts are dropped on vibratory platform



Parts are spread evenly thanks to the intelligent 3-axis vibration



Vision system detects which parts are correctly oriented



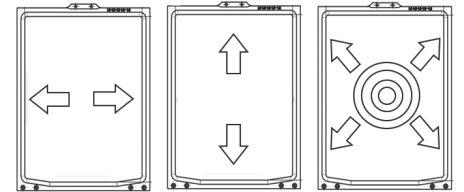
Parts are picked and assembled by robot

FEEDER ADVANTAGES


- **Compatible with all part geometries:** 99% of parts can be fed on our feeders - including complex geometries and delicate materials
- **Minimum production changeover times** enable flexible, future-proof production systems
- **Extremely gentle part handling due to 3-axis vibration technology:** parts can be moved in all directions, including the optimal choice of flipping amplitude for each part. Minimal abrasion as parts do not need to be recirculated. Platform purge possible.
- **Advanced reliability and durability** due to State-of-the-Art Voice Coil Technology ; no compressed air needed
- **Avoid backfeeding of vibration into surrounding machines** thanks to isolation of vibratory platform and feeder base
- **Systematic part orientation** can be achieved with intelligently structured platforms (grooves, holes, nests)
- **Integrated LED backlight** for parts detection (e.g. red / green / blue / white)
- Expandable with RNA vibration hopper type BVL
- Expandable with other RNA components to a complete feeding system solution

PATENTED 3-AXIS VIBRATION TECHNOLOGY

- Select the optimal choice of flipping amplitude for each part.
- Combine advanced movements with structured platforms to orient and separate parts.
- Distribute your parts on the surface faster, more gentle and more efficiently than ever.



SPECIFICATIONS

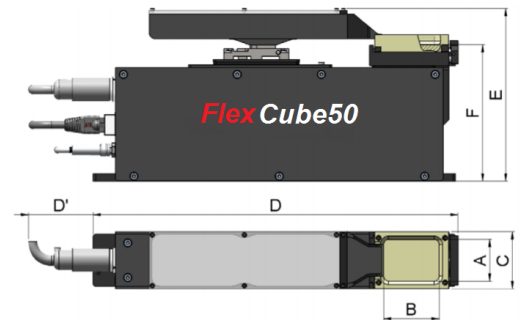
Communication	Ethernet (TCP/IP), Modbus TCP
Power supply	24 V, 4 A
Backlight synchronization input	
Software Communication Plugins	FANUC  DENSO STÄUBLI

OPTIONS

Vibration plate	flat / holes / grooves / nests / pockets / various materials
Connection cables	Power / communication / backlight
Various hopper sizes	10 cm ³ / 110 cm ³

DIMENSIONS

Typical part size	0.1 - 5 mm	0.004 - 0.2 in
Vibration platform	A: 34 mm	1.3 in
	B: 45 mm	1.8 in
Footprint	C: 46 mm	1.8 in
	D: 293 mm	11.5 in
	D': 50 mm	2.0 in
Maximum height	E: 140 mm	5.5 in
Pick height	F: 110 mm	4.4 in



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