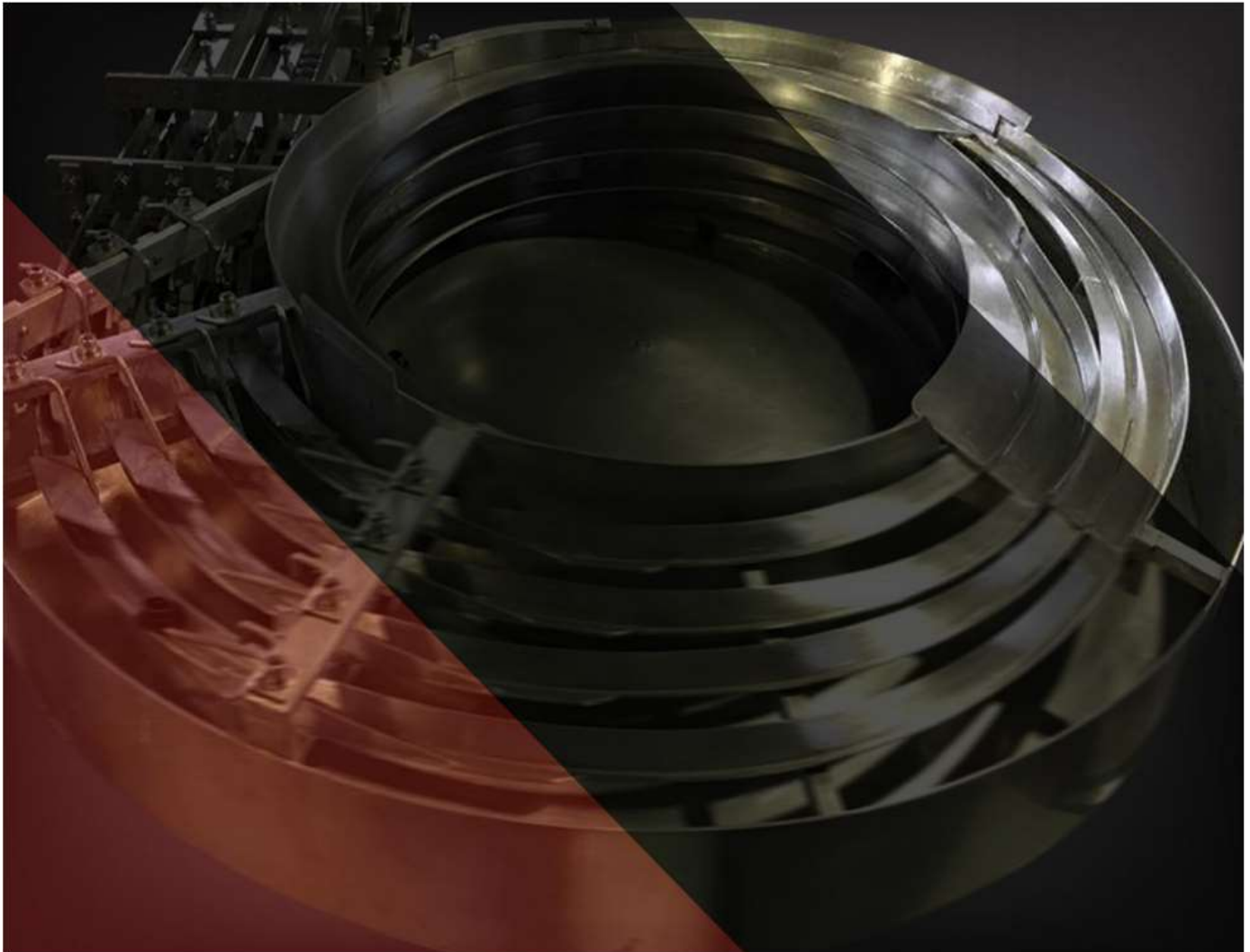


Parts Feeder Specialist



HI-FEED TECHNOLOGY

Malaysia

HI-FEED Technology Sdn. Bhd.

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Shah Alam, Selangor,
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About The Company

HI-FEED Technology Sdn. Bhd. is established in Malaysia in the year 1995. HI-FEED Technology Sdn. Bhd. has been a recognized name in the Malaysian parts-handling industry.

The orienting and conveying of parts has been the very core of our existence, providing for our customers from various industries at different location in the world. We provide a one-stop solution for vibratory parts feeder equipment, bespoke tooling, and machining services.

Choosing the right automation solution partner is critical to the long-term success of your business. It can make a big difference in your plant's productivity, as well as the opportunities and potential for future development. HI-FEED Technology has all the must-haves for you seeking an automation partner.

In 2018, We expanded our business into Singapore and established SJR Automation Pte. Ltd.

HI-FEED Technology is proud to be the authorized dealer for RNA components in Southeast Asia.



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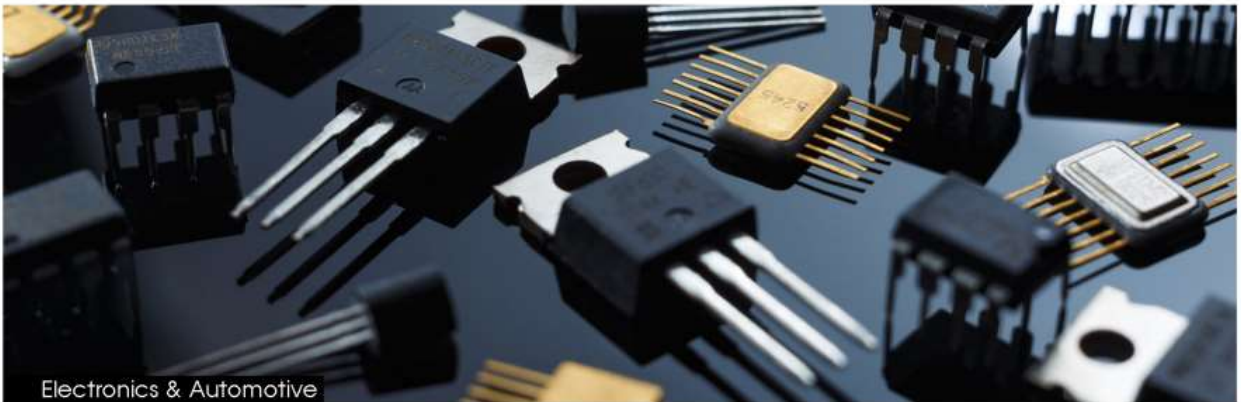
Feeding system is available from :



Food Stuff



Cosmetic



Electronics & Automotive



Pharmaceutical

Products and Services

HI-FEED Technology manufactured vibratory bowl feeder, CNC precision bowl and also supply all kinds of industrial use parts feeder systems such as internal bowl treatments and standards parts feeder.

At our company, we pride ourselves on exceptional quality. Our vibratory parts feeding system is custom made specifically to suit our customer's unique requirements and needs.



Stainless Steel Bowl



Linear Feeder



Sound Enclosure



Hopper



CNC 5-Axis Cutting



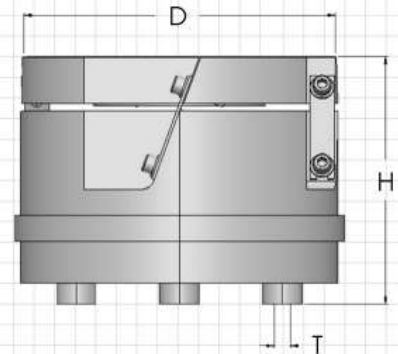
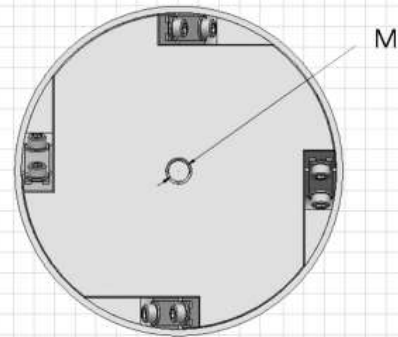
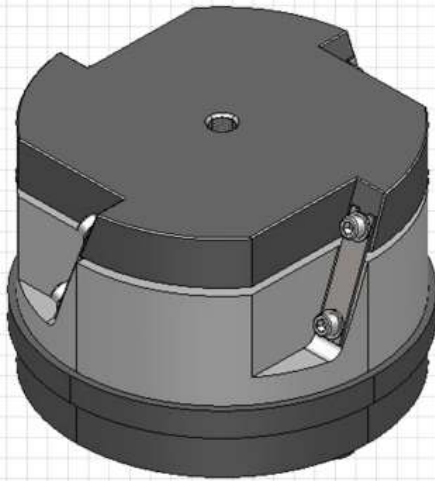
Bowl Treatments

HFD Series (Precision Type)

HFD series drive units are suitable for small and delicate precision parts. Feature in small amplitudes and fine vibration which is optimal for a smooth and stable transportation for delicate feeding.

Dimensional Drawing

[HFD Series]



Features

- Small amplitudes and stable vibration.
- Lighter and compact.
- Ideal for small delicate precision parts.
- Powered by electromagnetic coil.

Dimension

Model	M	D	H	T
HFD-90	M6	90	86	M5
HFD-120	M8	120	100	M5
HFD-150	M8	150	100	M6
HFD-200	M8	200	100	M6

Specification

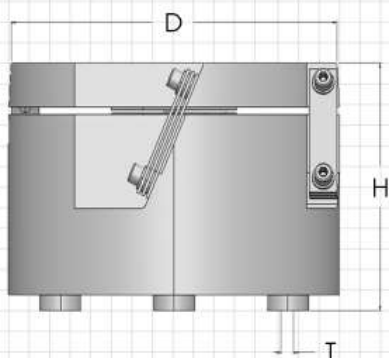
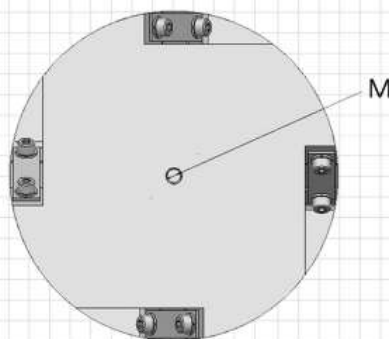
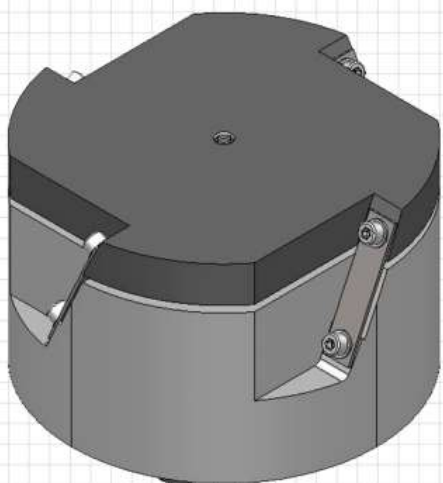
Model	Weight (KG)	Input Voltage (V)	Rated Current (A)	Frequency of vibration (time/min)	Standard Bowl Diameter (Ø)	Applicable Controller
HFD-90	3.0	200/220	0.5	5000-9000	90-120	HFC/ Frequency Type
HFD-120	5.0	200/220	1.0	5000-9000	150-180	HFC/ Frequency Type
HFD-150	7.0	200/220	1.0	5000-9000	180-240	HFC/ Frequency Type
HFD-200	8.0	200/220	1.5	5000-9000	250-300	HFC/ Frequency Type

DF Series (Light Duty Type)

DF series drive units are suitable for small and delicate precision parts. Feature in small amplitude and fine vibration which is optimal for a smooth and stable transportation for delicate feeding. Its compact design requires only minimal space.

Dimensional Drawing

[DF Series]



Features

- Small amplitudes and stable vibration.
- Lighter and compact.
- Ideal for small delicate precision parts.
- Powered by electromagnetic coil.

Dimension

Model	M	D	H	T
DF-10	M6	100	100	M5
DF-15	M8	150	113	M6
DF-20	M10	200	135	M8
DF-25	M10	240	163	M8

Specification

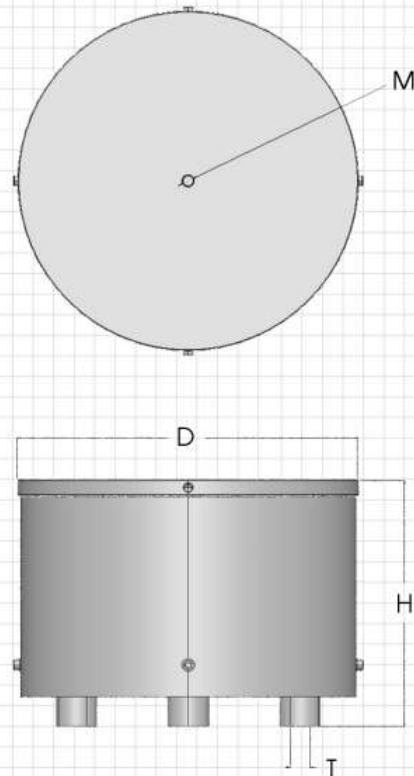
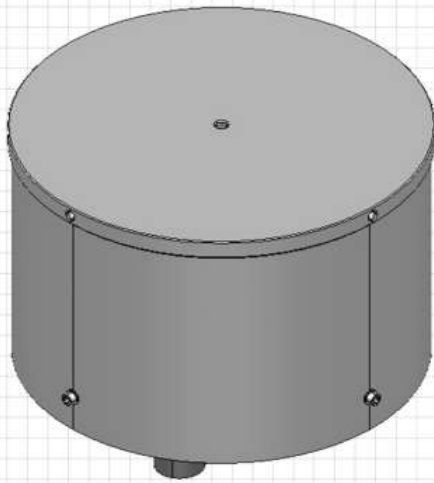
Model	Weight (KG)	Input Voltage (V)	Rated Current (A)	Frequency of vibration (time/min)	Standard Bowl Diameter (Ø)	Applicable Controller
DF-10	3.0	200/220	0.5	5000-9000	100-120	HFC/ Frequency Type
DF-15	8.0	200/220	1.5	5000-9000	150-200	HFC/ Frequency Type
DF-20	16.0	200/220	2.0	5000-9000	250-300	HFC/ Frequency Type
DF-25	20.0	200/220	2.5	5000-9000	350-400	HFC/ Frequency Type

BF Series (Medium /Heavy Duty Type)

BF series drive units are suitable for medium and large parts feeding. Feature in larger amplitudes which are optimal for heavier, larger workpieces and a wide range of applications.

Dimensional Drawing

[BF Series]



Features

- Large amplitudes.
- Optimal for heavier/ larger workpiece.
- Wider range of application.
- Powered by electromagnetic coil.

Dimension

Model	M	D	H	T
BF-20	M10	200	180	M6
BF-25	M10	250	193	M8
BF-35	M12	320	260	M8
BF-45	M12	360	272	M8
BF-50	M12	400	272	M10
BF-60	M12	530	292	M10
BF-70	M14	600	310	M12
BF-75	M14	700	310	M12

Specification

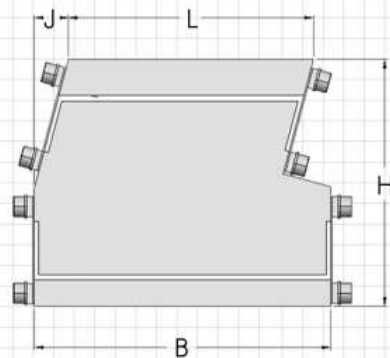
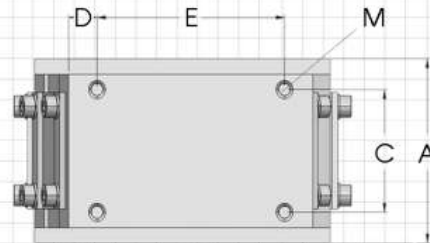
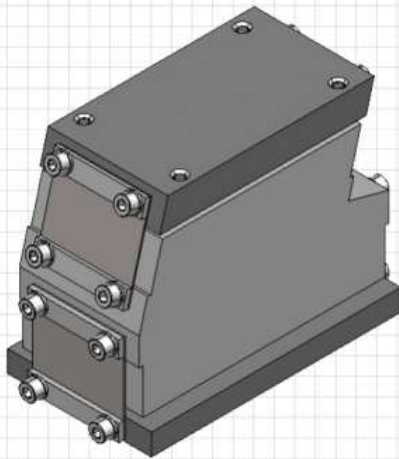
Model	Weight (KG)	Input Voltage (V)	Rated Current (A)	Frequency of vibration (time/min)	Standard Bowl Diameter (Ø)	Applicable Controller
BF-20	18.0	200/220	2.0	3600-7200	200-250	HFC/ Frequency Type
BF-25	25.0	200/220	3.0	3600-7200	250-300	HFC/ Frequency Type
BF-35	40.0	200/220	4.0	3600-7200	350-400	HFC/ Frequency Type
BF-45	60.0	200/220	4.0	3600-7200	400-450	HFC/ Frequency Type
BF-50	70.0	200/220	4.0	3000-3600	450-500	HFC/ Frequency Type
BF-60	120.0	200/220	5.0	3000-3600	600-800	HFC/ Frequency Type
BF-70	160.0	200/220	8.0	3000-3600	800-1000	HFC/ Frequency Type
BF-75	200.0	200/220	8.0	3000-3600	1000-1200	HFC/ Frequency Type

LFD Series (Precision / Light Duty Type)

LFD series drive units are suitable for precision parts. Feature in leaf spring to absorb rebound which is optimal for a smooth and stable transportation for delicate feeding. It is ideal for micro-sized workpiece.

Dimensional Drawing

[LFD Series]



Features

- Small amplitudes and stable vibration.
- Lighter and compact.
- Ideal for small delicate precision parts.
- Powered by electromagnetic coil.

Dimension

Model	A	B	C	D	E	H	J	L	M
LFD-70	36	85	25	12	50	82	17	70	M4
LFD-86	60	104	40	10	66	87	12	86	M4
LFD-130	60	150	46	15	100	98	15	130	M5
LFD-200	80	220	60	15	170	118	18	200	M6

Specification

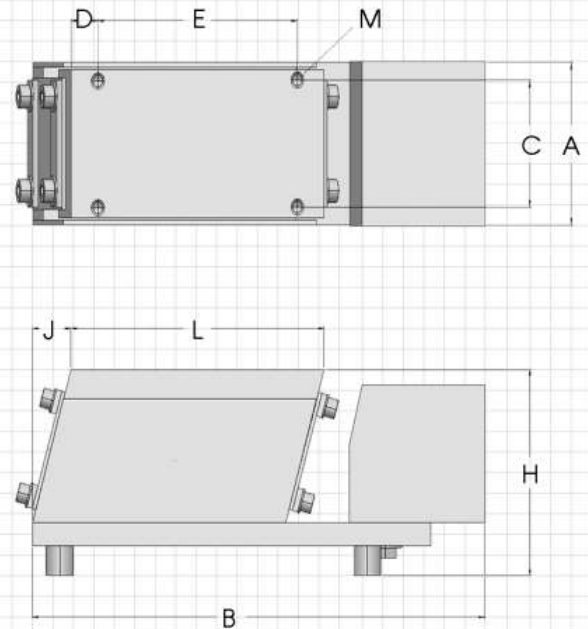
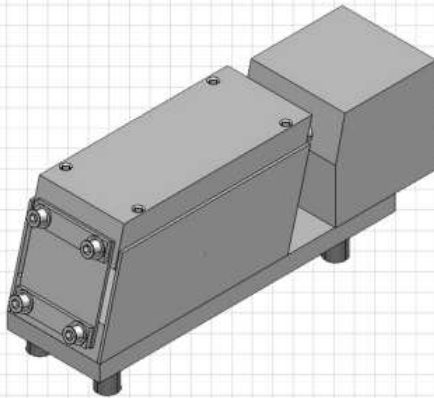
Model	Weight (Kg)	Input Voltage (V)	Rated Current (A)	Hertz (Hz)	Track Length (mm)	Applicable Controller
LFD-70	1.5	200/220	1.5	100-120	200-250	HFC/ Frequency Type
LFD-86	2.0	200/220	1.5	80-100	300-350	HFC/ Frequency Type
LFD-130	4.5	200/220	2.0	80-100	350-400	HFC/ Frequency Type
LFD-200	12.0	200/220	2.5	80-100	500-600	HFC/ Frequency Type

LFC Series (Medium /Heavy Duty Type)

LFC series is designed for small and medium-sized parts feeding. Featured in larger amplitude and frequency, which allows parts to travel a longer distance. It is suitable for a wide range of applications which are also ideal for a larger workpiece.

Dimensional Drawing

[LFC Series]



Features

- Large amplitudes.
- Optimal for heavier/ larger workpiece.
- Wider range of application.
- Powered by electromagnetic coil.

Dimension

Model	A	B	C	D	E	H	J	L	M
LFC-3	69	250	54	15	110	110	21	140	M5
LFC-4	86	280	70	15	130	125	25	160	M5
LFC-6	86	360	70	20	180	127	26	220	M5
LFC-4H	96	250	70	12	126	132	26	150	M5
LFC-5H	112	320	96	20	140	148	26	180	M6
LFC-6H	112	380	96	20	180	152	42	220	M6
LFC-8H	132	460	116	20	240	190	54	280	M8
LFC-10H	180	480	160	25	250	198	72	300	M8

Specification

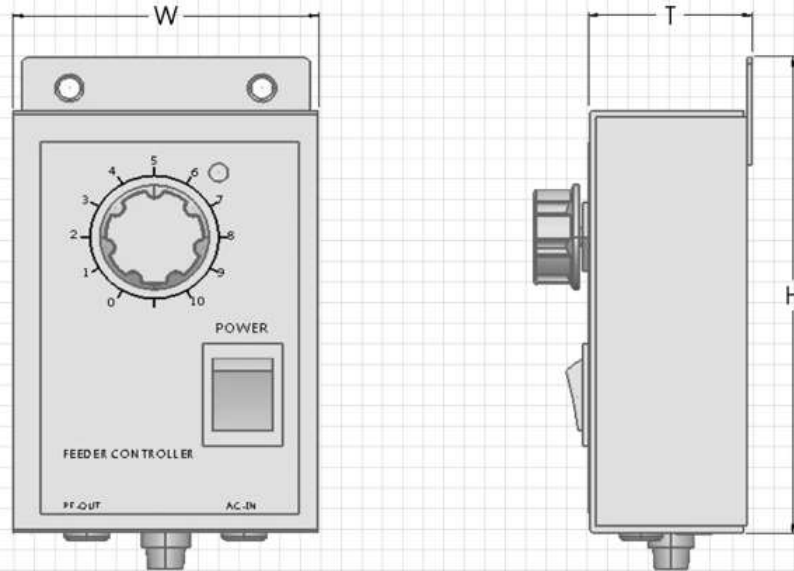
Model	Weight (KG)	Input Voltage (V)	Rated Current (A)	Hertz (Hz)	Track Length (mm)	Applicable Controller
LFC-3	7.0	200/220	1.5	50 - 90	300-400	HFC/ Frequency Type
LFC-4	10.0	200/220	2.0	50 - 90	400-450	HFC/ Frequency Type
LFC-6	12.5	200/220	2.0	50 - 90	450-550	HFC/ Frequency Type
LFC-4H	8.0	200/220	2.0	50 - 90	200x500	HFC/ Frequency Type
LFC-5H	19.0	200/220	2.5	50 - 90	250x600	HFC/ Frequency Type
LFC-6H	20.0	200/220	2.5	50 - 90	300x600	HFC/ Frequency Type
LFC-8H	30.0	200/220	3.0	50 - 90	300x800	HFC/ Frequency Type
LFC-10H	40.0	200/220	3.0	50 - 90	400x1200	HFC/ Frequency Type

Control Unit

The HFC series is a versatile control unit which can accommodate a wide variety of equipment. The front dial permits free adjustment of vibrations to ensure optimal performance for its application. The main voltage is 110/220; 50 or 60Hz, single phase.

Dimensional Drawing

[HFC Series]



Features

- Compatible to wide range of equipment
- Free adjustment of vibration

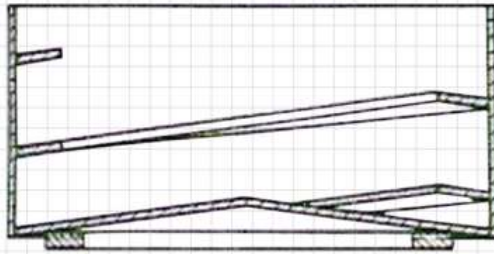
Dimension

Model	W	H	T
HFC-10A	95	155	54
HFC-10AS	95	155	54
HFC-20A	160	155	60
HFC-20AS	160	155	60

Specification

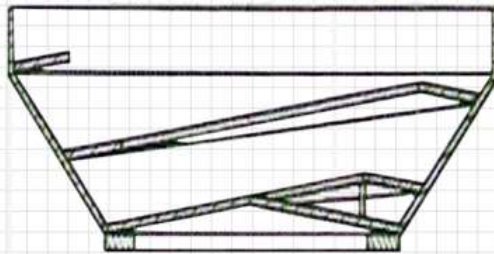
Model	Input Voltage	Max Amps	Output Waveform	Start / Stop by External Signal	Soft Start	Timer Delay On / Off
HFC-10A	AC220V, 50Hz	5.0A	Full / Halfwave (Select by Jumper)	Available	-	-
HFC-10AS	AC220V, 50Hz	5.0A	Full / Halfwave (Select by Jumper)	Available	Yes (1.0 sec)	-
HFC-20A	AC220V, 50Hz	5.0A	Full / Halfwave (Select by Jumper)	Available	-	0 - 10.0 sec
HFC-20AS	AC220V, 50Hz	5.0A	Full / Halfwave (Select by Jumper)	Available	Yes (1.0 sec)	0 - 10.0 sec

Standard Top Bowl



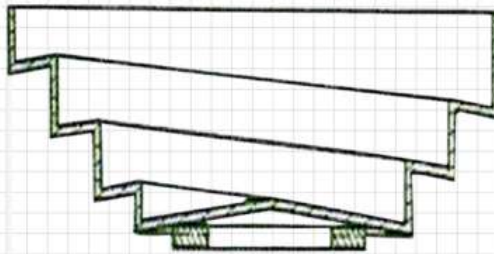
- Provide constant feeding of components.
- Ideal for small components.

Drive Unit	Applicable Bowl Diameter (∅)	Track Width (mm)	Height (mm)
DF-15	160	12	65
BF-25	250	20	90
BF-35	350	25	120
BF-45	450	40	140
BF-50	550	50	160
BF-60	650	50	180



- Pre-separation of components.
- Higher capacity.
- Ideal for heavy sharp-edges components.

Drive Unit	Applicable Bowl Diameter (∅)	Track Width (mm)	Height (mm)
DF-15	200	15	65
BF-25	350	20	90
BF-35	400	30	120
BF-45	500	40	140
BF-50	600	50	160
BF-60	700	50	180



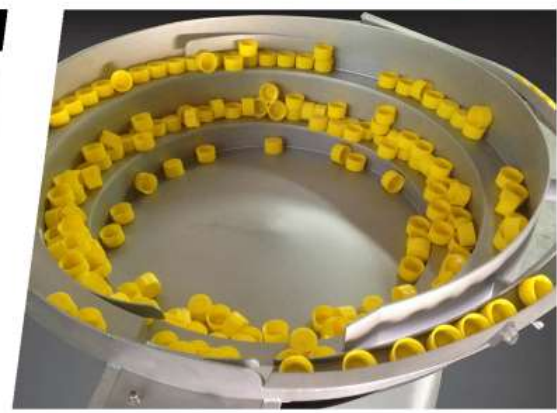
- Large feeding track width.
- Pre-orientate components.
- Larger capacity.
- Ideal for larger loads.

Drive Unit	Applicable Bowl Diameter (∅)	Track Width (mm)	Height (mm)
DF-15	200	15	80
DF-25	350	20	100
BF-35	400	30	120
BF-45	500	40	140
BF-50	600	50	160
BF-60	700	60	180

Bowl Treatments

The coating minimize friction between the workpiece and the internal bowl surface that may cause wear and tear. It also reduce the noise generated and damage to the workpiece.

Other types of coatings and linings are available. And can be selected accordingly to each application and requirements.



Sandblast



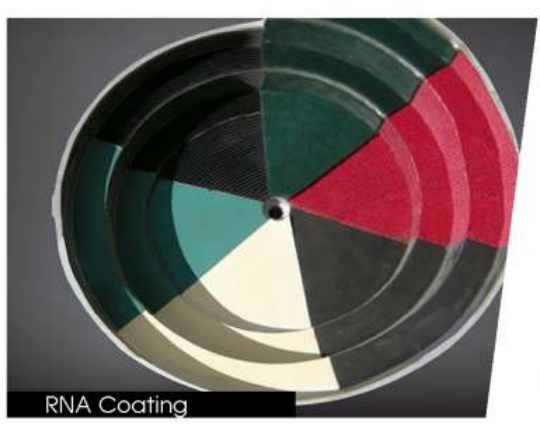
Diamond Profile Lining



Teflon



Polyurethane



RNA Coating

- Brush green - For wet/oily metal parts
- Flock red - For special applications
- Polyurethane black - For dry metal parts
- Habasit white - For plastic parts FDA
- Habasit green - For plastic parts
- Polyurethane black ribbed - For wet metal parts

CNC Precision Bowl

The 5-axis CNC precision milling is among the most effective processes for industrial jigs and fixtures. Aluminum and stainless steel are just a few of the materials that are ideal for cutting. No matter what kind of materials your project needs, these sophisticated tools can cut it with a precise, high-quality edge. CNC precision bowl feeders are suitable to handle small and delicate precision parts.



RNA Standard Parts Feeder System

RNA bowl feeders are the most sophisticated reliable and robust units available in the marketplace today. RNA feeder orientates and feeds your products carefully, at the same time guaranteeing a consistent and accurate flow of components into your production line.

HI-FEED Technology is proud to be the appointed dealer for Rhein Nadel Automation GmbH RNA components in Southeast Asia.



Vibratory Bowl Feeder



Standard Parts Feeder



RNA Coating

HI-FEED TECHNOLOGY

Parts Handling Specialist



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