

# SYNTECHTRON

Vibratory Equipment Specialists

## **Syntron**<sup>®</sup> Medium Capacity Electromagnetic Vibratory Feeders

This range of Syntron electromagnetic feeders offers medium capacity units all with heavy duty construction suitable for the most adverse conditions.

### **Model F22**

**50 tonnes per hour\***

### **Model FH22**

**100 tonnes per hour\***

### **Model FR290**

**180 tonnes per hour\***

### **Model FR370**

**250 tonnes per hour\***



Picture: Base mounted FR290 Feeder handling crushed glass.

**SYNTECHTRON**

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## Medium Capacity Electromagnetic Vibratory Feeders

Over the years Syntron feeders have proved their exceptional reliability with the feeders having few moving parts, robust design & manufacture and simple controllability of feed rate. Our Electromagnetic units are continually proving that Syntron is the worlds leading supplier of materials handling equipment.

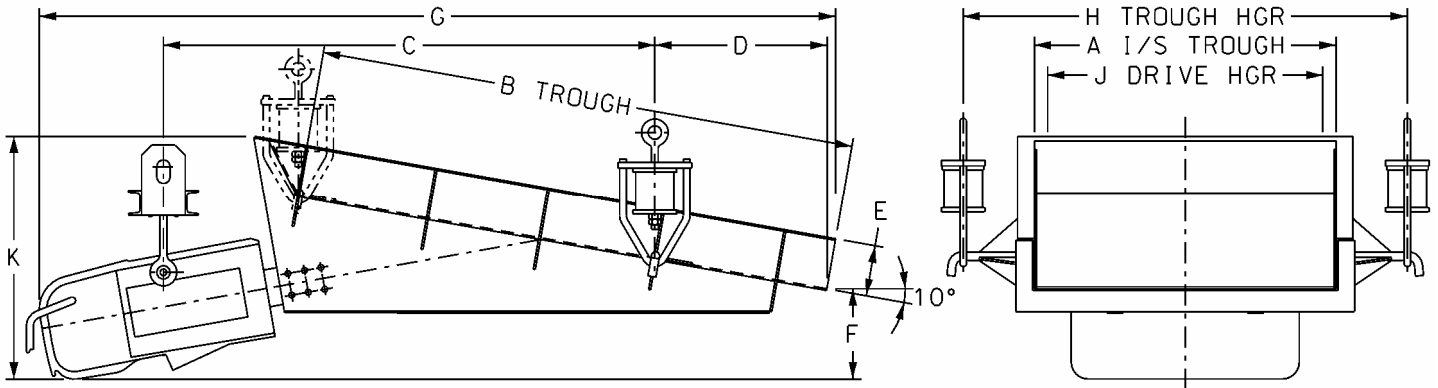
These feeders are ideal for use in mixing, blending and general feeding of a large range of materials. Standard units can be utilised for feeding ore or minerals into a processing plant. While Specialised feeders are available for a variety of purposes such as inspection feeders in food processing for example.

All units are specifically designed and tested to suit any duty requirements. Our standard troughs are manufactured in mild steel with abrasion resistant wear liners. Units are controlled by a separate controller assembly generally using a single phase 415V 50Hz supply.

Models F22 & FH22 use a controller with manual rate adjustment and minimum & maximum set points. The FR290 & FR370 are fitted with a closed loop stroke monitoring controller to ensure consistent feed rate by compensating for influences such as variations in material loading on the trough surface and fluctuations in supply voltage. Units can be supplied with special controllers for specific requirements.

Feeders are suspension mounted as standard, however base mounted units are available if required.

Please contact our sales engineers with your duty requirements for professional assessment and advice on your material handling needs



MODEL	A	B	C	D	E	F	G	H	J	K
F22	400	800	875	155	125	175	1240	575	500	450
FH22	500	1000	830	395	125	370	1430	690	500	685
FR290 (1)	600	1200	1100	395	125	210	1750	800	800	560
FR290 (2)	750	1400	1290	375	125	200	1870	800	800	585
FR370 (1)	750	1400	1170	520	150	255	2050	1055	900	675
FR370 (2)	900	1600	1470	500	150	260	2340	1200	900	715

All dimensions are in mm and dimensions should be certified for installation purposes.

- (1) Standard trough with abrasion resistant liners suitable for aggressive materials.
- (2) Standard trough with stainless steel contact surfaces.

MODEL RANGE	F22	FH22	FR290	FR370
Machine weight with standard trough	195 kg	250 kg	400 kg	800 kg
Rated current ** at 415V 50Hz Supply	4 Amps	5 Amps	8 Amps	16 Amps
Controller Model (standard)	TC16	TC16	TCA24	TCA30
Nominal Capacity - * Crushed Stone (1.6t/m <sup>3</sup> ) Coal (0.8t/m <sup>3</sup> )	50 t.p.h.	100 t.p.h.	180 t.p.h. 180 t.p.h.	250 t.p.h. 250 t.p.h.

Due to our policy of continuous improvement in product design and manufacture we reserve the right to change specifications and dimensions without notice. For correct and safe operation **SYNTECHTRON** process equipment must be installed, operated and maintained in accordance with our instruction manual.

\* Feed rate based free flowing material, standard lined trough at 10° downslope running at maximum stroke and when correctly installed under a Syntechtron approved hopper outlet.

\*\* Larger units are custom built to the application and ratings may vary (240V available for F22 & FH22 on application)