

# Electromagnetic Sieve Shaker

## IRIS QUOTE REQUEST ✓

The FILTRA electromagnetic sieve shakers are used in research and development, and in quality control for production processes, both for raw materials and intermediate and finished products. With them it is possible to carry out granulometric testing for particle separation, both for dry and wet conditions.

The IRIS model sieve shakers are highly effective, thanks to the three-dimensional particle motion, created by an electromagnet. With this 3D effect the particles bounce over the whole sieve area, forcing them to pass through to the lower sieve more quickly. Thus a faster, more effective sieving is achieved through the whole sieve column.

There are four models: FTS-200, FTL-200, FTL-300 and FTL-400, which cover sieves from 60 mm Ø to 400 mm Ø for samples from 25 gr to 25 kg of product. The particle size to be analysed can range from 25µ to 125 mm. Each user can choose the equipment which is best suited to their needs.

### Examples of application:

Foodstuffs, earth, coal, construction materials, chemical and pharmaceutical products.



### IRIS FTL-0200

Digital electromagnetic sieve shaker for sieves from Ø 60 a 203 mm. Its three-dimensional movement throughout the sieve column makes it very effective when carrying out granulometric test. It includes digital power, timing and intermittence controls for sieving. It can be supplied with the standard anchoring system or with the "Easy-Press" rapid system. It permits 8 sieves of 50 mm in height, or 16 sieves of 25 mm in height.

### ANCHORING SYSTEMS:

• **Standard:** Threaded rods, bakelite knobs and methacrylate lid.



• **"Easy-Press":** smooth rods, pressurized tightening knobs which easily slide along the rods, and a methacrylate lid.



### IRIS FTS-0200

Small, compact and light, it is the economic option from the IRIS range of electromagnetic sieves. Allows sieves from Ø 60 to 203 mm Up to 7 sieves of 50 mm in height, or 14 sieves of 25 mm in height. It includes digital power, timing and intermittence controls for sieving. It is supplied with the standard fixation system.



### ADVANTAGES:

- Three-dimensional motion. Highly effective: short sieving times
- Sieving for dry and wet test
- Ergonomic design
- Digital adjustment of sieving parameters
- Easy to operate
- Integrated interface
- Anti-vibration system
- Silent
- Maintenance free

All models include digital power control (from 1 to 9), sieving time (from 0 to 99 min.) and the sieving mode; continuous or intermittent.

All the sieve shakers are equipped with an anti-vibration system which, together with the anchoring system, ensures complete stability during the sieving.

Depending on the model, it is possible to choose between the standard fixation system, and the "Easy-Press" rapid fixation system. The methacrylate lid makes observing the product during the sieving process easy.

All equipment is subjected to strict quality control, which guarantees years and years of problem-free use.

# Electromagnetic Sieve Shaker

## IRIS



### Examples of application:

Minerals, fertilizers, plastics, metals, seeds, flowers, herbs, grain, wood-chip, fibres, etc.



	IRIS			
	FTS-0200	FTL-0200	FTL-0300	FTL-0400
Sieve Shaker Type	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Dry test	Yes	Yes	Yes	Yes
Wet test	Yes	Yes	Yes	Yes
Levels of Power	9	9	9	9
Size of Particle	20 µ a 125 mm	20 µ a 125 mm	20 µ a 125 mm	20 µ a 125 mm
Number of Sieves (mm)	7 x Ø200x50 14 x Ø200x25	8 x Ø200x50 16 x Ø200x25	5 x Ø300x80 8 x Ø300x50	4 x Ø400x100
Max. Diameter of Sieve (mm)	203	203	315	400
Timer (min)	1 a 99	1 a 99	1 a 99	1 a 99
Tension	220/240 V - 50/60 Hz.	220/240 V - 50/60 Hz.	220/240 V - 50/60 Hz.	220/240 V - 50/60 Hz.
Intensity (A)	0,8	0,8	0,8	0,8
Power (kW)	0,4	0,4	0,4	0,4
Weight (Kg)	27	40	45	48
Dimensions L x W x H (mm)	305 x 630	254 x 800	254 x 800	555 x 630 x 750



### IRIS FTL-0300

Designed for high sample volumes, it can admit 5 sieves of 80 mm in height, or 8 sieves of 50 mm in height. The diameters range from 250 to 305 mm. The power, time of sieving and intermittence are all digitally adjusted.

It can be supplied with the standard fixation system or with the "Easy-Press" rapid system, according to your choice.

### IRISFTL-0400

It allows a large load capacity. It is designed for sieves from Ø 400 mm, although it can also allow smaller diameters. With the highly effective 3D motion, sieving times are short; even with large product samples. Like the other models, it includes digital power, timing and intermittence controls for sieving.

It is possible to choose between the standard anchoring system and the "Easy-Press" rapid system.



### ACCESSORIES:

- Methacrylate lid for dry test.
- Methacrylate lid with stainless steel diffusing ball for wet test.



- Stainless steel receiver for dry test.
- Stainless steel receiver with outlet for wet test (including hose and flange).
- Stainless steel lid.
- "Easy-Press" rapid anchoring system (smooth rods and pressurized tightening knobs).
- Feed balls to ease the passage of the product in the sieve.
- Cleaning brushes.
- Freeing tool.

