

# Ultimate Color Sorting Machines

## Series FS 1 - 7

Color Sorting machine for safety and reliable results.



### Advantages of the FS 1 - 7

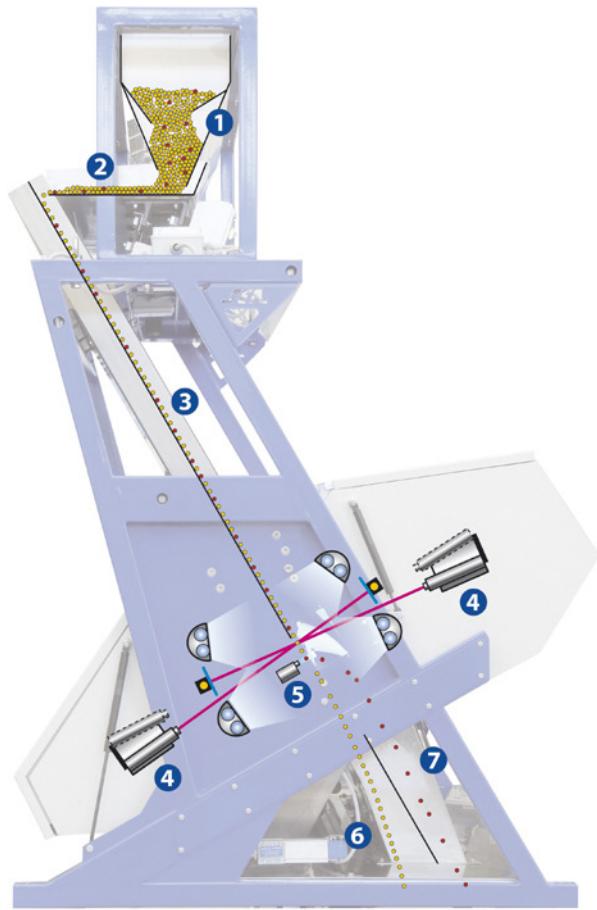
- High speed and accurate CCD camera detects dark spot
- The FS series cover various materials: rice, wheat, sesame seeds, pulses and other grains
- FS make them possible to remove discolored and chalky rice or discolored and glutinous rice or fusorin simultaneously, very fast and precise
- Compacted Ejector Nozzels and Durable High Speed Ejectors promise higher capacity and minimize product loss

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The product to sort is fed into the hopper (1) located on a vibrating plate (2). The plate then spreads it and carries it through oblique chutes (3). The product then falls through an analysis section where each particle is checked by two optical devices facing each other (4). The characteristic electrical signal for each colour is conveyed to a control unit which converts this signal. Should discolored particles be present, these will be sorted out by the ejector (5) into the outlet for discolored grains (7). Product considered good is instead dropped into the good product hopper (6).

SCHULE sorters are controlled by microprocessors and their sophisticated software allow the use of up to **600 different sorting programs storables on board**.

Thanks to this they apply to manifold production needs, since the same machine is able to carry out different sorting process of the same product or of different products, in a matter of a few minutes. This is why our sorters turn out to be extremely flexible and adaptable to different sorting requirements.



## Technical data

	FS 1	FS 2	FS 3	FS 4	FS 5	FS 6	FS 7
Dimensions (W/D/H, (+/- 20))	1560/1320/2000			2000/1320/2000		2540/1550/2100	
Weight (kg)	400	400	450	580	620	670	730
Power supply	200 V / 50Hz						
Tension Variation	+/- 2 % max. (An outside supply stabilizer must be suitable installed)						
Normal air pressure	6 bar						
Air consumption (l/sec.)	9	17	25	34	42	50	60
(Data can vary according to the contamination rate in the initial product)							
Compressed air connection	1" (internal diameter)						
Ejectors pressure feed	6 bar						
Pre-filtering required	Protection 0,01 ppm (Air free of dampness and oil)						

We reserve the right to deviate from illustrations and data as improvements are constantly being made.



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