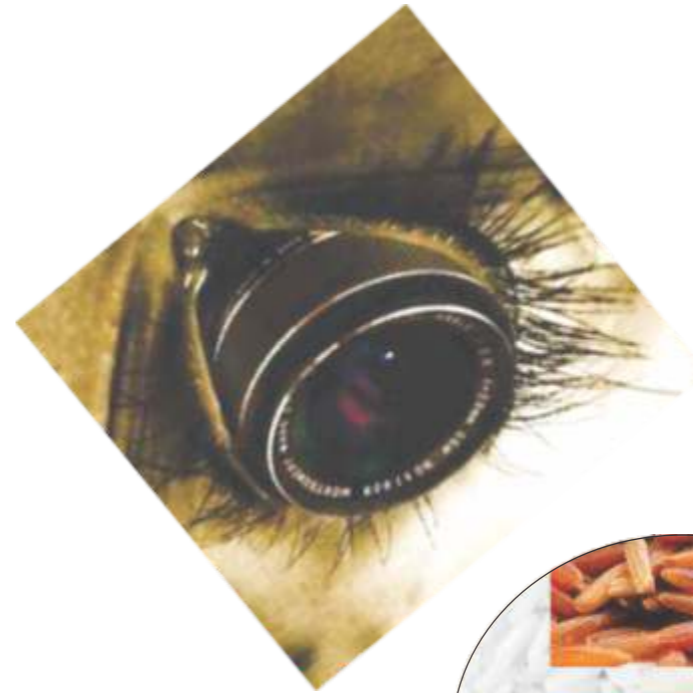
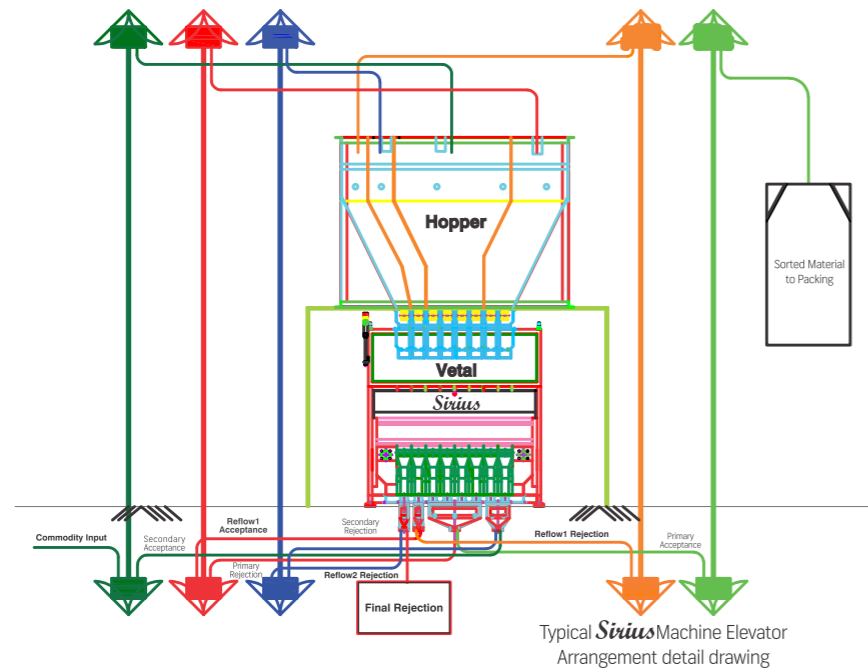


**FLOW
DIAGRAM**



OUR COMPANY

VETAL is a 35 years old company offering detection & sorting solutions for problems faced in various industries. Two sectors which has been benefitted immensely from Vetal are Textile & Food. The well-known Color Sorter Machine for Rice and other commodities indigenously manufactured by Vetal is working in more than 3500 installations in India, Srilanka, Bangladesh & Kenya.

- ✓ Innovative Design
- ✓ Quality Product
- ✓ Excellent Service



AUTHORISED SERVICE CENTRES THROUGHOUT INDIA

Tamilnadu : Coimbatore, Kangeyam, Tirunelveli, Kanchipuram | Karnataka : Shimoga, Sindhanur
 Andra / Telangana : Miryalguda | Haryana : Karnal | Punjab : Barnala
 Maharashtra : Nashik, Nagpur | Gujarat : Bavla, Mahuva | Chattisgarh : Dhamtari
 Uttar Pradesh : Varanasi, Gorakhpur | Odisha : Bargarh

• All rights reserved • All technical data herein quoted are indicative and can vary • Due to continuous development process the specifications and features shown in this catalogue are subject to change without notice • The company assumes no responsibility for the claims and losses whatever that may occur by use of the products shown in this brochure • Specifications is subject to the maintenance of the equipment and sensitivity under standard working condition • All disputes will be settled through competent courts in Coimbatore Jurisdiction only • Production Capacity & Quality depends upon the impurity percentage, size, shape of the raw material. • All the data mentioned @ 1% black contamination and the accuracy @ 99.9%.



VETAL HITECH MACHINES PVT. LTD

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 Customer Feedback : customergrievances@vetal.com
 www.vetal.com

Sirius
 Color Sorter
 Sorter of the Century



SALIENT FEATURES

CAMERA



- * High speed, 5000 Pixel Trichromatic Color Camera with increased spectral response
- * 0.07 mm pixel resolution to detect very thin defects accurately.
- * Produces outstanding Color fidelity for the absolute best image quality
- * Mounted on both Front & Rear side

EJECTORS



- * Fastest response 1ms valve with long lifetime
- * Extremely durable, Highly reliable.
- * Exceptionally versatile, Custom design.

LIGHTING



- * LED Technology – Consumes less power with increased life time.
- * Low maintenance where light is reflected from the objects to give visual response of the object
- * High brightness LED Light with adjustable intensity to detect object color accurately in broad spectrum.

TOUCH SCREEN



- * 12 inch Touch Technology Screen with user friendly HMI.
- * Digital On Screen Display
- * Delivers quality display & reliability

VIBRATOR



- * Long life - High speed vibrator with speed control supports user selectable output tonnage.
- * High efficiency, High Tonnage & consistency in output

FILTER / REGULATOR



- * Japanese make 0.01 micron filters
- * Provided at machine air input, to reduce dust entry / regulate machine operating pressure.

CHUTE

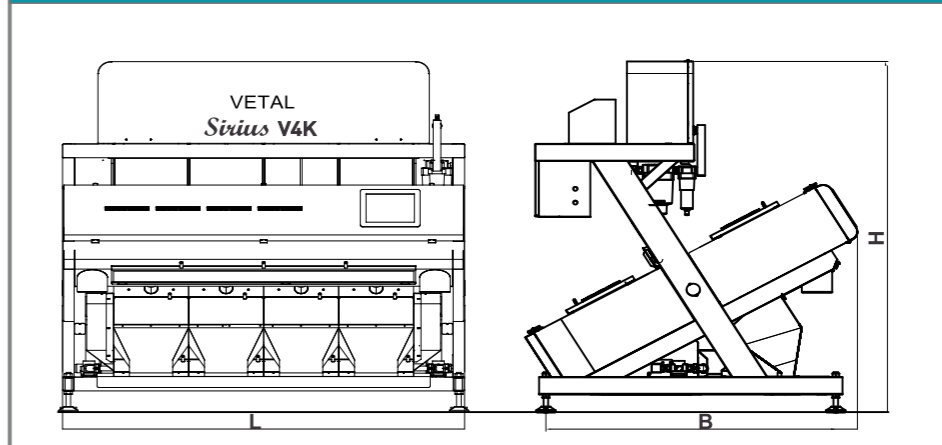


- * High grade aluminium chute with anodized surface to support rust free operation and fine material flow.
- * Extremely durable & Long lasting

A UNIQUE FEATURES

- ▶▶ IMAGE PROCESSING : High Speed FPGA used to do image processing without any delay
- ▶▶ YELLOW RICE DETECTION : Separate sensitivity setting for light yellow, to detect light color objects efficiently.
- ▶▶ HEATER : Provided with every chute to remove moisture content of input material and avoids material sticking on chute surface.
- ▶▶ VALVE TEST : Automatic and manual valve test function to check functionality of machine ejectors.
- ▶▶ SELF DIAGNOSIS : Automatic detection and reporting facility for PCB communication failure.
- ▶▶ HMI – CHANNEL SEL. : Software configurable channel Selection for Primary/Secondary/Reflow 1/Reflow 2.
- ▶▶ MEMORY : Supports 40 memory storage with copy, rename facility.
- ▶▶ WIPER : Twin blade wiper with periodic glass clean function, used to keep glass surface always clear for efficient image visibility.
- ▶▶ LOW AIR : Facility provided to stop machine immediately when input air pressure becomes low, used to reduce valve failure.
- ▶▶ DUST COLLECTION : Integrated efficient dust collection system provided to remove dust along with the materials
- ▶▶ VALVE STATUS LED : Status LED's located at machine front side, to know ejector control status of both Front & Rear camera.

DIMENSION DETAILS



TECHNICAL SPECIFICATION

MODEL	NO. OF CHANNEL	PRIMARY	SECONDARY	REFLOW (RF1+RF2)	POWER REQUIRED	DIMENSIONS in mm (L x B x H)	AIR REQUIREMENTS	TONNAGE / HR
SIRIUS -V4K	320	160	80	40+40	7.5 KVA	2100 X1725 X 1950	90 CFM	3 – 4
SIRIUS -V5K	400	200	80	80+40	7.5 KVA	2490 X1725 X 1950	120 CFM	4 – 5
SIRIUS -V6K	480	240	120	80+40	10 KVA	2875 X1725 X 1950	150 CFM	5 – 6
SIRIUS -V7K	560	320	120	80+40	10 KVA	3275 X1725 X 1950	180 CFM	6 – 7
SIRIUS -V8K	640	360	160	80+40	12.5 KVA	3875 X1725 X 1950	210 CFM	7 – 8

Also Available Models

Sirius-V1C(64 Ch.)/Sirius-V2C(128 Ch.)/Sirius-V3C(192 Ch.)/Sirius-V4C(256 Ch.)