



“VCR” TECHNOLOGY



MICRONIZED SCREEN / SIEVES



A PERFECT “FINE SCREENING” RANGE

IMMA obtains best in the class precise screening including:

- Dry Screens
- Wet Screen
- Zigzag Screen
- Dewatering
- Shaking Table
- Grilled Screen
- Elevator

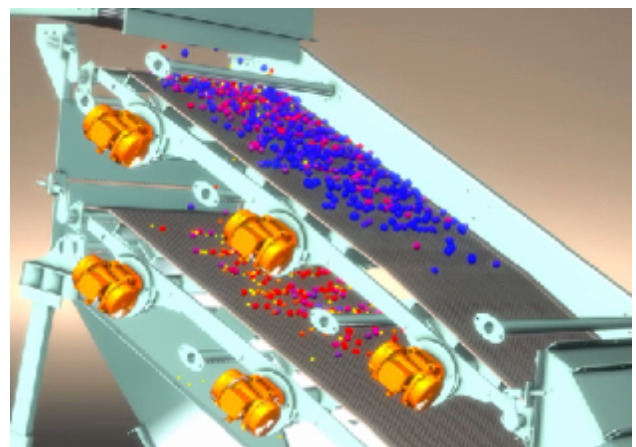
THE METHOD OF WORK OF OUR SCREENS

- **IMMA**, uses the vibro motors for screens vibration which provides a drive only for screen-wires or meshes.
- **The vibration** never effects the main body, only main screening panels,
- **Each unit** moves linearly with two vibration motors.
- The main body never been effected by the dynamic vibration force so that warrants a long lifetime, smoot and precise operation!



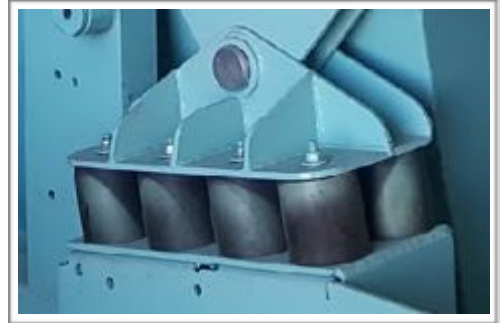
THE MULTIPLE VIBRATION (VCR) TECHNOLOGY

- **Multiple-Vibration (VCR)** is based on creating vibration waves by multiple vibro motors.
- Thanks to those waves to prepare an environment for best screening with the perfect resonance, which helps the best screening for any material with the highest efficiency.
- **Customized** calibration for each mineral and screening purpose at startup only
- **VCR is by far the best technology ever developed and engineered for mining, treatment and process screening. This is not our claim what results and figures say!**



SIMPLY OUR BENEFITS

- **Sandwich Sealing** helps to protect the screen-wires and side panels
- Energy saving up to **60%**
- **No blockage** of mineral / material during processing at the screen-wires
- Extended screen-wire lifetime
- **Adjustable** screen-wire slope angle
- **Adjustable** machine legs & angle (Optional: Hydraulic Slope Adjustment)
- **Adjustable** remaining material for screening
- **VSS** -Innovative Vibration Suppressing System: Suspension supports to suppress the vibration between the screen-wire and machine body! Less vibration much more comfort& efficiency!
- Screen-wire replacement in **30 mins**
- **Easy and quick** repairs and maintenance
- **No lubrication** is required at any MV!
- Vibrating motor replacement while the machine works
- Easy maintenance via the poles/holes between decks
- **Extended screen-wire lifetime** as a fact of MV
- Special designed, low-costed **PU screen-wire** designed for MV!



Suspension



Side vs. Screen-wire Protection

EFFICIENCY

- Thanks to MV for increased productivity and efficiency
- Lowered maintenance and repair cost, timing and laboring
- Energy saving up to **60%**
- Increased lifetime of the components as vibro motors, meshes, structure and steel structure
- No congestion of the panels, meshes or flow during screening
- Increased capacity by MV and tilt adjustment

PROCESS WE SERVE – 1: ENRICHMENT

- Each mineral has own specification and chemical composition which IMMA comes up with a solution for enrichment
- Efficiency and productivity based engineering solutions, beyond a screening
- Enrichment process of minerals from 1mm to 45 micron
- Best in the class for



Chromium Ore Enrichment



Gold Ore Enrichment



Palladium Ore Enrichment



Platin Ore Enrichment



Cobalt Ore Enrichment



Aluminium Ore Enrichment



Silver Ore Enrichment



Lead Ore Enrichment



Copper Ore Enrichment

- Enrichment without chemicals for chromium, gold, palladium, platin, cobalt, aluminum / bauxite, silver, lead, copper, ...
- Let us know your process and requirement we come up with our tested and experienced solution.

PROCESS WE SERVE – 1: PLANTS

- Some of plants and process we serve:

- Construction Chemicals
- Moisty Clay
- Emery and Silica Sand
- Perlite
- Limestone
- Gypsum
- Aluminum
- Calcite
- Olivine
- Zeolite
- Magnesite
- Bentonite
- Pomice



Construction Chemical Plant



Moisty Clay Plant



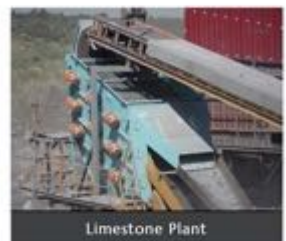
Emery Sands Plant



Softwood Chips Plant



Perlite Plant



Limestone Plant



Olivine Plant



Calcite Plant



Zeolite Plant



Bentonite (cat litter) Plant



Magnesite Plant



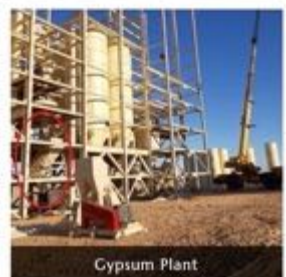
Silica (sand) Plant



Brick Earth Plant



Pumice Plant



Gypsum Plant

Let Us Know Your Process And Requirement We Come Up With Our Tested And Experienced Solution.

DRY SCREENS

With various sizes (S), decks (D), vibromotor(M) and Vibration Units (U):



VCR D-1530/11206

S:1.500x3.000mm/D:3,/M:10



VCR D-1540/21206

S:1.500x4.000mm/D:2,/M:12 /U:6



VCR D-1560/32010

S:1.500x6.000mm/D:3,/M:20 /U:10



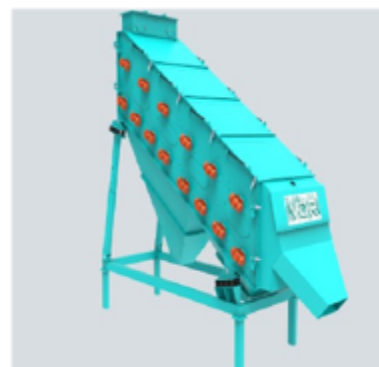
VCR D-1530/22412

S:1.500x3.000mm/D:2,/M:24



VCR D-1540/43216

S:1.500x4.000mm/D:4,/M:32 /U:16



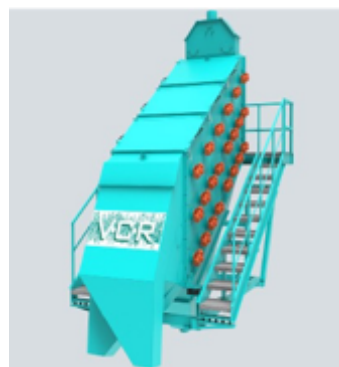
VCR D-1550/42814

S:1.500x5.000mm/D:4,/M:28 /U:14



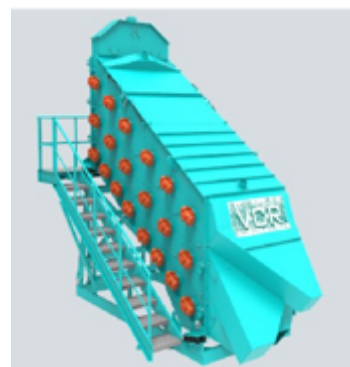
VCR D-1530/32814

S:1.500x3.000mm/D:3,/M:28



VCR D-1540/64420

S:1.500x4.000mm/D:6,/M:44



VCR D-1560/64020

S:1.500x6.000mm/D:6,/M:40

WET SCREENS

With various sizes (S), decks (D), vibromotor(M) and Vibration Units (U):



VCR W1530/21206
S:1.500x3.000mm/D:2,/M:12 /U:6



VCR W-1540/21206
S:1.500x4.000mm/D:2,/M:12 /U:6



VCR W-1560/32412
S:1.500x6.000mm/D:3,/M:24 /U:12

ZIG-ZAG SCREENS & DEWATERING



VCR D-1530/32814
S:1.500x3.000mm/D:3,/M:28



VCR D-1540/64420
S:1.500x4.000mm/D:6,/M:44 /U:20



VCR S-1530/20204
Dewatering
S:1.500x3.000mm/D:2,/M:2 /U:4



PLEASE!

**LET US KNOW YOUR PROBLEMS FOR
ENRICHING, PLANT & SCREENING ...
WE COME UP WITH THE
SOLUTION!..**

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