

# **Field Automatic Gradation Unit(AGU)**



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The Field AGU is used to Automatically run gradations on aggregate and related materials in the Field. After receiving the sample from a Belt Sampler or Similar Device, the Field AGU shakes(Utilizing Vibratory Motors) the sample and then deposits the material retained on each screen(ASTM Approved Screens-Like the ones used in a Gilson Shaker) into the weigh hopper. The AGU has a frequency drive that allows a user to move the frequencies up and down to insure material on the screens is deposited into the weigh hopper. There is an optimal resonant frequency for each screen size. The weigh hopper weighs the sample and the control system performs all calculations. The control system also generates an Excel Spreadsheet with Percent Passing, Percent Retained, Percent Cumulative, Etc. Typically a Sample can be shaken and a report generated in approximately 10 minutes.