**Potential Markets and Applications**

The system could efficiently and accurately count parts needed by an assembly worker and dispenses those parts into a worker’s awaiting hand. This kind of function can be applied on manufacturing as an advanced manufacturing facilities that can save a lot of time and labors. Also, the system is now just suitable for no more than 50 parts, but can be developed to fit more parts to work better in the real industry. Further, this vibration system also can not only used to count one kind of parts, after some changes, it also can be used to classify different kind of parts, which will be very useful in the industry applications.