

Each pearl is graded mainly by the five major virtues: luster, size, color, shape and the amount of spottings, and each vendor or pearl farm measures these virtues differently. For example, the highest grade of pearls in one company can be the lowest in another. The color silver in one vendor could be light grey to another. *How can we set a standardized pearl grading system?*

We cannot always tell if a pearl is real or fake, when or where a pearl was grown, or even what type of pearl nucleus was used. With so many unknowns, pearl farmers cannot fully guarantee their quality of pearls. They lose credibility and bargaining power of their own products. No one has means to avoid pearls that are seeded with inferior pearl nuclei (e.g. chemically processed, made from illegal shells). Nobody can truly guarantee that any given pearl is authentic. As a result, consumers are never confident with the pearling industry. *How can we resolve these issues that have been plaguing the pearling industry?*

By tracking the life cycle of a pearl.

LIFE CYCLE OF A PEARL REINVENTED

Application and Use of Micro-chipped Embedded Nucleus (**Fukui ID Nucleus**)

