Press Release
Rotor-Mate™ self balance rotor technology

Rotor-Mate™ (Norwood, NC) July 7th, 2010. With the invention of the centrifuge came the problem of rotor balance. Specimen containers must be offset balanced by an equal size and weight specimen on the opposite side of the rotor. Until now, no truly workable commercial solution was available to resolve this time consuming annoyance that slows production in all laboratories. Gary Howell from Rotor-Mate™ has solved this long standing processing burden with an elegant, simple and powerful mechanism that allows operators (and robots) to load any specimen size mix, in any load sequence, to any rotor, in any centrifuge.

Rotor-Mate™ operates by permitting the rotor to automatically shift and rotate from its geometric center to a new center of mass in proportion to the eccentric mass. In so doing, the rotor operates totally smooth even with enormous out of balance loads. The recently patented Rotor-Mate™ technology uses no springs or elastomers or sensors or cantilevers. It is scaleable up/down for large and small centrifuge rotors and applicable in all speed ranges.

This ground breaking technology was developed by engineer, Gary Howell, who has years of experience in the clinical laboratory diagnostics industry. Says Gary, "a new technology that makes laboratories more efficient will ultimately lower the cost of health care and provide competitive advantage to the user".

For proof-of-concept video, visit:
http://www.youtube.com/results?search_query=rotor-mate&aq=f
http://www.youtube.com/results?search_query=rotor-mate4m&aq=f

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