

Re-Timer.

Light therapy glasses



Overview.

A clinical team studying sleep for more than 25 years saw a gap in the market for a consumer product to assist people prepare for and recover from changes in sleep patterns.

The Re-Timer uses a peak wavelength of light in the green-blue spectrum to alter the circadian clock. When worn for approximately 60 minutes at specific times of the day, the Re-Timer will significantly suppress melatonin, allowing the user to shift their sleep rhythms.

Expertise.

Professor Leon Lack approached Motherson to be their full-service partner including product design, validation and assembly.

Motherson created CAD models and simulations using the latest Catia software and completed structural analysis and hazard assessments to achieve regulatory certification.

Keeping the customer at the forefront of our focus, Motherson applied expertise in mechanical engineering, quality engineering and optic and lighting technology, as well as end-to-end supply chain management.

This product is manually assembled in Adelaide using lean manufacturing processes, before being shipped to Re-Timer for world-wide distribution.

Outcome.

The Re-Timer is an ergonomic wearable device created in our state-of-the-art clean room to ISO 13485 standards.

Customers such as shift-workers, regular travelers and people affected by Seasonal Affective Disorder (SAD) can purchase the product directly from Re-Timer and receive the final product in a purpose-built, zip up case.

Motherson continues the full supply chain management for Re-Timer, from component purchase and assembly to traceability and logistics.

Contact us for more information.