

Research on designing and manufacturing visual acuity measurement devices

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Abstract: In the context of increasing public interest in quality of life and eye health, this topic aims to research, design, and manufacture an automatic vision measurement system. The objective is to develop a technical solution that meets the need for accurate and rapid vision measurement without the intervention of medical staff. The research method includes synthesizing theoretical information from reputable sources, designing the physical structure, and programming the measurement system. The expected result is to provide a useful tool for hospitals, medical centers, and private clinics, while contributing to the development of vision technology in clinical practice.

Keywords: Automated design, Visual acuity measurement, Eye health technology, Measurement engineering, Medical automation