



# Technical Test Battery (TTB2)

This cost effective battery provides a comprehensive assessment of technically relevant abilities. It can be integrated with the General Reasoning Test battery for a comprehensive aptitude assessment. It is most applicable for individuals in technical arenas and to assess technical knowledge or the potential thereof. It consists of three subtests, namely; Mechanical Reasoning (MRT2), Spatial Reasoning (SRT2), and Visual Acuity (VAC2).

## Subtests and constructs

### Mechanical Reasoning Test (MRT2)

Measures the ability to understand mechanical concepts and physical principles in operation. Items were selected from a wide range of areas including optics, electricity, fluids and mechanics. Measures a broad aptitude including mechanical comprehension.

### Spatial Reasoning Test (SRT2)

Measures spatial ability from the perspective of visually constructing a three-dimensional object, and visually relating an object to its pre-constructed patterned form. Items include a wide range of shapes, thus measuring a broad spatial/diagrammatic ability.

### Visual Acuity Test (VAC2)

*This test was specifically designed to be administered on computer, and can not be administered using pencil and paper.*

It measures the ability and disposition to work with highly detailed technical material such as wiring or circuit diagrams. Respondents have to follow a single pathway through a complex maze. The VAC2 assesses visual and attentional capacity which is relatively independent of general ability. It was specifically developed to assess apprentices in roles which involve checking, repairing and replacing electrical and electronic circuitry and components.

## Classification status

Classified as a psychological test by the Professional Board for Psychology.

## Intended respondents

Applicants, trainees, apprentices or technicians in a variety of trades or craft fields, with a minimum educational level of grade 12.

## Manuals

- Technical test battery technical manual
- TTB2 South African User Guide and Research Reference

## Reports

- Standard report
- Feedback report

## Timing

The TTB2 takes 45 minutes to complete, plus administration time.

## Scoring and reporting cost

Administered as a battery, the TTB2 uses two credits each on the online system and one credit for each subtest on the GeneSys system.

*Please note: While the MRT2 and SRT2 are available in pencil and paper version, the VAC2 is ONLY available through on-screen administration.*

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