

Technical Test Battery

For Applicants and Trainees at Craft or Technician Level

TTB2

TTB2 measures the core skills that are required for selecting and assessing staff for engineering apprenticeships, craft apprenticeships or technical training. It consists of three tests, which can be administered individually or together, Mechanical Reasoning (MRT2), Spatial Reasoning (SRT2) and Visual Acuity (VAC2). Through GeneSys, TTB2 can be integrated with GRT2 to provide a fully integrated aptitude profile and narrative report.

Who is the TTB2 for?

TTB2 is suitable for staff or trainees applying for posts at technician and craft level. More than a measure of technical knowledge, TTB2 identifies potential to grasp technical concepts and put them to practical use, making it an essential assessment tool for anyone being considered for roles where technical ability is emphasised.

Advantages

A comprehensive and broad-ranging measure of technical reasoning, this test is an invaluable tool for selecting staff for engineering apprenticeships, craft apprenticeships and technician training. Available for on-screen or paper-and-pencil administration, TTB2 takes only 45 minutes to complete (plus administration time). Results are scored and normed through the GeneSys software, which immediately produces a profile against the desired norm group.

Reports for TTB2

Decision-maker and candidate feedback reports are provided for TTB2. Profiles in decision-maker reports present raw score, number of items attempted, sten and percentile ranks against a choice of normative samples. The group report option additionally provides decision-makers with a summary of the results from a number of respondents.

The Tests

Mechanical Reasoning (MRT2) measures the ability to understand mechanical concepts and physical principles in operation. The items have been selected from a wide range of areas (including optics, electrics, fluids and mechanics) so users can be confident that they are measuring a broad range of mechanical reasoning ability.

Spatial Reasoning (SRT2) measures spatial ability through items that assess the ability to visualise patterns in three dimensions and match three-dimensional objects to two-dimensional patterns. The items have been selected to represent a wide range of shapes (e.g. cubes, pyramids, cones, rhomboids and an innovative variety of other multi-faceted shapes). Therefore, users can be confident they are measuring a broad range of spatial/ diagrammatic ability.

Visual Acuity (VAC2) has been specifically designed for on-screen assessment and measures the ability to work with highly detailed technical material such as wiring or circuit diagrams. The test involves following a single pathway through a complex maze and assesses visual and attentional capacity which is relatively independent of general ability. The VAC2 has been specifically developed for roles which involve checking, repairing and replacing electrical/electronic circuitry and components.

TTB2

TECHNICAL TEST BATTERY

KEY FACTS

What it Measures

Aptitudes relevant to technical roles covering Mechanical Reasoning, Spatial Reasoning and Visual Acuity.

Use With

Applicants and trainees at craft or technician level.

Use For

Selection, individual development and guidance.

Administration & Scoring

Paper-and-pencil or computerised administration with scoring through the GeneSys Assessment System.

Report Options

Decision-maker and candidate reports, with group report option for decision-makers.

Qualification

Level A

Timing

45 minutes + administration time

Cost

1-2 Credits per scored assessment