GENERAL INFORMATION

OBJECTIVE
Provide an instant overview of the profile of the person being assessed in terms of mechanical reasoning skills.

CONTEXT
Selection or preselection

TARGET CLIENTELE
16 years and older, all work environments

FORMAT
68 multiple choice questions

DURATION
30 minutes (timed)

COST
35 $

LANGUAGES AVAILABLE
French
English

TAM TEST (MECHANICAL APTITUDE TEST)

The TAM is a psychometric test that provides a measure of mechanical reasoning, based on spatial abilities and knowledge of the main physical and mechanical principles. This automated tool provides a quick overview of the candidate's ability to understand and apply various physical and mechanical principles in their daily work.

DIMENSIONS ASSESSED IN THE TAM TEST

- ▶ Heat
- ▶ Direction
- ▶ Electricity
- ▶ Gearing
- ▶ Forces
- ▶ Lever
- ▶ Plane and velocity
- ▶ Pulley
- ▶ Volume

ADVANTAGES

- ▶ Complete autonomy on Interpreto's user-friendly platform for test administration.
- ▶ Instant report generation as soon as the candidate completes the test.
- ▶ Multiple detailed dimensions for a more nuanced view of the of the test taker's mechanical reasoning.

PSYCHOMETRIC QUALITIES

- ▶ Norms: The TAM was validated in 2015 and the standards were reviewed in 2018 with a normative sample of 1 864 French and English speaking people in Canada (Quebec, Ontario, New Brunswick, Nova Scotia, Alberta and Manitoba), with a professional level of education, primarily between the ages of 15 and 55.

- ▶ Reliability: The internal consistency of the scales (based on Cronbach's alpha coefficients) ranged from 0.73 to 0.88, with the overall score coefficient being 0.84. The test-retest correlation coefficient is 0.82, which means that the test results are stable over time (9-week interval).

- ▶ Validity: The correlation coefficients between the results of the TAM with those of other recognized tests of mechanical sense vary between 0.74 and 0.83 (convergent validity).