



27th ANNUAL SKILLS MANITOBA COMPETITION CONTEST DESCRIPTION APRIL 10, 2025

CONTEST NAME: Industrial Mechanic

CONTEST NO: 48

LEVEL: Post Secondary

LOCATION OF CONTEST: Manitoba Institute of Trades and Technology

PURPOSE OF CHALLENGE:

To test the knowledge and skills of each competitor in the areas of: pneumatics, metal layout, machining and fabrication, the identification, assembly and alignment of power transmission components.

**SKILLS AND KNOWLEDGE TO BE TESTED:
(Practical 100%)**

- Interpret, read and lay out a hand tool project
- Interpret machine component as shown in given drawing
- Interpret, assemble and align mechanical power transmission components

Note: Knowledge of Imperial and Metric measurement and ANSI symbols required

POINT BREAKDOWN (1000 POINTS)

- Interpret, read and lay out a hand tool project 333 points
- Interpret machine component as shown in given drawing 333 points
- Interpret, assemble and align power transmission components 334 points

Note: In case of a tie in this competition, the competitors will write a 25 question theory test for an additional 25 points

NATIONAL COMPETITION ELIGIBILITY:

- A mark of **70% or higher** must be scored by the gold medalist in order to attend the National Skills Competition

EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:

- All required components, tools and equipment.

EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:

- Personal Protective equipment only, no tools or equipment.

CLOTHING REQUIREMENTS:

Competitors are expected to be dressed in an appropriate manner with their own safety glasses, work boots and coveralls or shop coat. (Without company or school identification)

Project information will not be available beforehand.

NOTE:

All competitors will be required to sign a declaration stating that they have not written a certificate of qualification examination, or hold journeyman status in a related trade.

THE IMPORTANCE OF SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY;

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (former Essential Skills) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly. SCC is currently working with Employment and Social Development Canada (ESDC) to bring awareness of the importance of these skills that are absolutely crucial for success in Trade and Technology careers. Part of this ongoing initiative requires the integration and identification of the Skills for Success in contest descriptions, projects, and project documents. The following 9 skills have been identified and validated as key skills for success for the workplace: 1.Numeracy, 2.Communication, 3.Collaboration, 4.Adaptability, 5.Reading, 6.Writing, 7.Problem Solving, 8.Creativity and Innovation, 9.Digital

FOR MORE INFORMATION PLEASE CONTACT:

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