

SAIT's School of Manufacturing and Automation Builds Award-Winning Chopper

The Journeyman, a custom chopper designed and built by staff and students at SAIT Polytechnic in Calgary, Alberta claimed "outstanding machine, North American custom radical class" and "best bike engine" awards at the World of Wheels show in Calgary in February.

The project was the brainchild of millwright instructor Richard Burgess as a way to showcase the range of trades and technology programs taught in SAIT's School of Manufacturing and Automation.

"The popularity of programs such as *American Chopper* and *Orange County Choppers* makes the project relevant and intriguing to prospective as well as current students," says Burgess. "Staff and students put countless hours into The Journeyman."

Brad Donaldson, Dean of the School of Manufacturing and Automation, couldn't be more proud of the many staff and students who contributed to the project. "When the awards were given it was clear the bike had impressed the show organizer, who said, 'I don't know how long it took those SAIT boys to build it, but it's an amazing machine.' He also

singled out some of the parts designed and fabricated by SAIT as something very special," Donaldson commented.

Eight programs taught at the Institute were involved in the project:

1. Welding (frame fabrication)
2. Machinist (part fabrication and CNC machining)
3. Millwright (drivetrain, alignment and assembly)



4. Non-Destructive Testing (X-ray and ultrasonic analysis of parts)
5. Mechanical Engineering Technology (design work and stress analysis of frame)
6. Automated Systems Engineering Technology (electronics controls)
7. Mechanical Design Technology (component design and ergonomics)
8. Welding Engineering Technology (weld procedures)

The Journeyman will now go on display at trade shows and high schools to illustrate programs in the School of Manufacturing and Automation. Upcoming dates include:

- April 4-5 - Discover Careers in Trades: Demo Days (Lethbridge, Alberta)
- April 15-16 - Manufacturing Week, SAIT Campus (Calgary, Alberta)
- April 30-May 1 - Regional Skills Canada Competition (Medicine Hat, Alberta)
- May 22-23 and May 26-27 - Skills Canada Provincial and National Competitions (Calgary Stampede grounds)

Note: Photo of The Journeyman is available;
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