

Machinery

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Diesel injector impresses judges



Imagination: Ron Kukler with his Green Diesel injector unit at Elmore. Picture: YURI KOUZMIN

By ED FEATHERSTON
Machinery edit!

THE Green Diesel Injector System has won *The Weekly Times* Elmore Australian Machine of the Year award.

Developed over 10 years by Geelong mechanical engineer Ron Kukler, the system is said to cut fuel consumption by up to 30 per cent while delivering up to 30 per cent more power output than traditional diesel injection systems.

The independent judging panel, headed by Sandy Provan of the Dookie Agricultural College engineering department, said the injector's design and application had merit.

"If it does what it claims, it will be a real boon to Australian farmers," the judges said.

They chose the SpartSpray udder washing system developed by instrumentation engineer Mark White, of Leongatha, and shown by dairy feed specialist Feed-O-Matic, as runner-up.

Winner of the Imported Machine of the Year award was the Gianni Ferrari Turbo 4 mower from Italy.

A comprehensive report on this twin-cutter outfront deck commercial mower, exhibited by John Bird, will run in our annual Mowers feature next week.

Runner-up in the Imported Machine category was the Seara 1000 Anti-Frost Wind Machine from New Zealand, exhibited by Alex Carter of Tatura Engineering.

The Green Diesel injector won last year's Australian De-

sign Award Invention of the Year for Ron.

He will travel to the US in December at the request of the US Department of Defence.

It has expressed great interest in his revolutionary system, which dramatically cuts exhaust emissions, enabling engines to meet stringent Europe and US 2007-2010 EPA clean air regulations.

Ron said several global engine manufacturers had shown interest in his diesel injector.

He and his technical team believe field testing and talks with the US Department of Defence will be a lot more promising.

"We are very excited at presenting to them," Ron said.

"It represents an excellent opportunity for the Green Diesel injector to move from the development to the production stage.

"Our technical team is in the final stages of fine-tuning our test engine and monitoring equipment in preparation for our presentation."

The Green Diesel Injector uses a two-stage hydraulic-electronic delivery system able to create extremely high injection pressures of up to 60,000 psi, ensuring a fast and efficient burning process.

Ron said the world's heavy vehicle manufacturers were having difficulties finding a viable and cost-effective way to meet future clean air standards.

Ron has formed Green Diesel Corp Ltd, a non-listed public company.

He is in the process of raising additional capital to bring the

Green Diesel injector a step closer to production.

Ron said the share offer has been well supported by investors after public information evenings across regional Victoria in past months.

He said it was likely to be oversubscribed at closure at the end of this month.

"The feedback we've had from those attending the meetings has been overwhelming," he said.

"The response we've experienced following news stories in several newspapers, including *The Weekly Times*, has yielded a flood of inquiries.

"I believe people in regional areas are more inclined to give someone a go and throw their weight behind a good idea or cause."

Ron wants to keep production of the Green Diesel Injector System in Australia, and in particular regional Victoria.

"I would like as much of the benefit from the product to remain in the region," he said.

"Country people have a good understanding of diesel fuel and its use in agriculture and freight movement.

"I think they appreciate the benefits the Green Diesel injector will deliver."

Ron plans to exhibit next April at a technical fair in Geneva, Switzerland, where he will be raising awareness of his product in the European market.

For more details, phone Ron on 0402 846 986 or check the internet site at www.greenDieselcorp.com