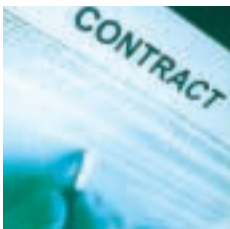
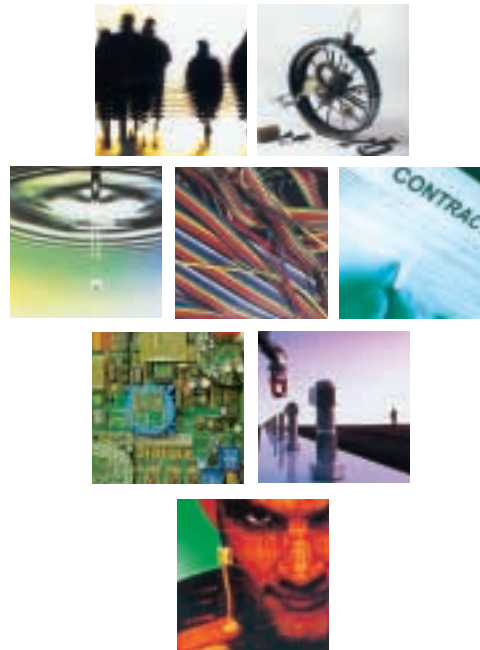




Products and services

- electronic design
- Mechanical design
- electro-mechanical design
- circuit board design & layout
- electronic prototyping
- electronic manufacturing
- wiring harness & cable assembly
- 3D modelling
- automation & control
- advanced loudspeakers & amplifiers
- 21st Century Coatings



Confidentiality

All design and manufacture work is fully confidential & covered by non-disclosure agreements

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MELBOURNE, AUSTRALIA

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Who we are and what we do

Winovate is a Melbourne-based R&D company which develops high-tech electronic products for the world market.

Our people are specialists in developing & patenting intellectual property.

The team includes:

- engineers
- physicists
- programmers
- industrial designers
- technicians
- toolmakers
- graphic artists
- plus an editor

Winovate specialises in electro-mechanical design and manufacture – and sees that process through from concept to making the end product.

Products under development

- MOGE 8 million candle power 'super torch' *
- MOGE lighting technology *
- dimmable fluorescent – electronic ballast*
- dimmable halogen light – electronic ballast*
- new-generation electrostatic loudspeaker*
- advanced motion controllers / systems
- motor amplifier – brushed DC motors
- motor amplifier – brushless DC motors
- multi-axis NC controllers
- image recognition system for quality control
- 'Time Keeper' workplace management system*
- freeway 'cats eyes'*

* patents pending



Electronic and mechanical design

- Switch mode power supplies
- digital / analogue design
- PCB layout & design
- embedded microprocessor design
- software development
- 3D CAD modelling
- acoustic evaluation & design
- product design



Electronic manufacture

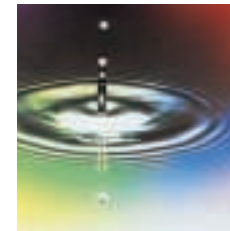
- Quick turnaround, manual through hole PCB loading. All we need is:
 - a PCB layout
 - materials list
 - schematic circuit diagram plus an approved sample
- electro-mechanical assembly
- dual wave soldering
- automated lead cutting
- comprehensive testing
- surface mount prototyping
- OEM supplier of PCBs:
 - customised transformers
 - and customised inductors



We have extensive experience in the wiring and cabling industry.

Wiring harnesses and cabling

- Wiring loom manufacture & assembly
- cable terminations - power data & comms
- panel wiring
- cabinet & switchboard wiring
- product assembly & wiring
- automated QC testing
- design consultancy service
- turn-key project management



This is one of the most sophisticated, corrosion resistant coatings ever developed

Anti-graffiti anti-corrosive coatings

This patented fluoropolymer paint, originally developed by the US Navy is designed to protect metal surfaces in highly corrosive environments such as ships bilges & jet fuel storage tanks

other advantages:

- cheaper than galvanising
- lasts twice as long
- sun-bleach resistant for 25 yrs+
- graffiti resistant
- damage resistant
- impact resistant
- ideal for any commercial or industrial corrosive areas