

# THALES



## **LIGHT ENGINEERING**

Australia's premier small arms weapon manufacturer

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### AUSTRALIA'S PREMIER SMALL ARMS WEAPON MANUFACTURER

#### > Origin

Thales Australia is Australia's leading defence, engineering and systems contractor. We provide a broad spectrum of systems, technologies, products and services to the defence and commercial sectors. We are one of Australia's oldest and most diverse defence companies. Thales Australia has been meeting the needs of the Australian Defence Force (ADF) for over 100 years.

Thales Australia's primary business areas are:

- Systems design, development, integration and through life support
- High-mobility and protected military and emergency response vehicles
- Shipbuilding, upgrade and maintenance
- Electronics and aerospace systems
- Security systems and services
- Mine countermeasures
- Munitions
- Weapons systems manufacture and maintenance.



F88 Austeyr A4

#### > Small arms weapon manufacture

Today Thales Australia is the foremost military weapons designer and manufacturer in Australia and has gained a global reputation for engineering excellence as a single source of integrated solutions for small arms weapons.

Our small arms facility at Lithgow, New South Wales, has over 90 years of continuous manufacture of small arms weapons and weapon components, and is the prime supplier of small arms weapons to the ADF and to our growing list of commercial customers.

## > Expertise

- Precision machining
- Through life support
- Weapon design, enhancements and modifications
- Weapon manufacture, assembly and testing
- Weapon component manufacture
- Precision machining of a variety of materials including heat treatment, metal finish and painting capabilities
- Full toolroom and engineering department with CAD/CAM
- Assembly, packing and dispatch
- Precision turning from 2 mm to 150 mm diameter
- Precision milling up to 300 mm cube.

Thales Australia offers diverse capabilities as a result of our supply of weapons and components to the ADF.

Our capabilities cover all aspects of metals manufacturing for rifles and munition components including turning, milling, grinding and cold-barrel forging.



Supplementary capabilities for heat treatment and metal finish include hard anodising, phosphate, zinc and hard chrome. Our climate-controlled paint capabilities include spray and drying booths.

Our experience in a variety of metals, including high tensile steels, aluminium, brass, tungsten and work hardened stainless steel, highlights our flexibility with regard to machined materials.

Much of our expertise with these materials has been gained via military contracts and specifications.



F89 Minimi

## > Research and development

Our expertise in the design and manufacture of small arms weapons and components positions us to remain at the forefront of weapon design. We offer customer-focused capabilities for design and design adaptation. We listen to customers' requirements (including niche markets) and then tailor solutions to meet these needs.

One example of this is the development of Thales Australia's Austeyr F88 A4. This enhanced modular weapon is based on our Austeyr F88 A2 currently in service with the ADF.

With our world-class design team and the company's involvement in electronics and munitions, the needs of tomorrow can be today's reality.

## > Customer quality and satisfaction

Integrated ISO 9001:2000 and manufacturing resource planning systems (MRP2) ensure the highest customer quality and satisfaction. Thales Australia is assessed by Lloyd's register against the ISO standard, which is known around the world and is a prerequisite of many military customers.