



MINING MART

Innovating Excellence in Engineering and Procurement

**MINING MART is proud to be the 1st
in Australia to provide**

**Z+F IMAGER® 5006EX
Explosion-Proof
3D Laser Scanner**

Z+F IMAGER® 5006EX – Explosion Proof 3D Laser Scanner

Now at MINING MART – 1st in Australia

At MINING MART, we're proud to introduce the Z+F IMAGER® 5006EX – the world's first **ATEX-approved**, explosion-proof 3D laser scanner, now available in Australia for the very first time.

Developed by Zoller + Fröhlich and built on the renowned Z+F IMAGER® series, this advanced technology is transforming the way surveys are conducted in underground mining, oil & gas, and other hazardous environments where explosive atmospheres may occur.

Certified under the **ATEX** Directive 94/9/EC (Classes I & II), the 5006EX sets a new standard in safety, precision, and reliability, enabling MINING MART to deliver unmatched accuracy and confidence when surveying mines, processing plants, and high-risk industrial sites.



Revolutionising Hazardous Environment Surveying

Developed by Zoller + Fröhlich and based on the high-quality Z+F IMAGER® series, the 5006EX sets new standards for precision and safety in:

- Underground mining operations
- Oil & gas facilities
- Chemical plants
- Any ATEX-regulated environment

Certified under ATEX Directive 94/9/EC (Classes I & II), this scanner ensures compliance with international standards recognised worldwide.

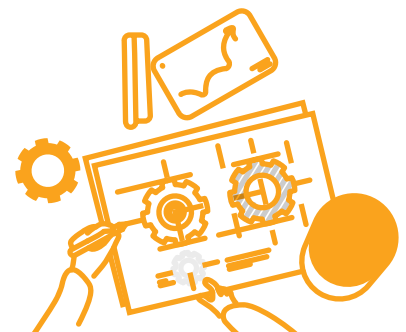
How MINING MART Uses the 5006EX

At MINING MART, we leverage the Z+F IMAGER® 5006EX to deliver safe, precise, and efficient surveying solutions:

- **Laser Scanning & 3D Modelling** – capture detailed point cloud data for as-built documentation.
- **Hazardous Environment Surveying** – safe operations in explosive zones, reducing risks for our clients.
- **Inspection & Maintenance Planning** – high-resolution scans for asset integrity assessments.
- **Design & Engineering Support** – provide accurate digital models for engineers, designers, and contractors.
- **Project Efficiency** – minimise downtime, reduce rework, and improve decision-making with reliable data.

Key Features

- **Range:** Up to 79 m – effective in almost all explosive-prone areas.
- **Extended Field of View:** 310° vertical × 360° horizontal for near-complete coverage.
- **100% Stand-Alone:** Operates independently without external devices, reducing ignition risks.
- **High Precision:** Accuracy down to 0.1 mm resolution and ≤ 508,000 pixels/sec measuring rate.
- **Robust & Reliable:** IP53 protection class, safe in harsh mining and industrial conditions.
- **Mobility & Flexibility:** Compact, with integrated control panel and swappable battery for on-site endurance.



Technical Data (Highlights)

- Laser Class: 3R (ISO EN 60825-1)
- Beam Divergence: 0.22 mrad
- Data Storage: 60 GB internal hard drive
- Interfaces: Ethernet / Wi-Fi
- Operating Temp: 0°C to +40°C
(storage -20°C to +50°C)
- Tilt Sensor Resolution: 0.001°
- Protection: ATEX-certified, IP53

Industries Served

- Oil & Gas
- Pharama
- Chemical & Industrial Facilities
- Mining (underground and surface)
- Other Energy & Utilities

MINING MART Advantage

With the Z+F IMAGER® 5006EX, MINING MART offers Australia's most advanced hazardous environment surveying service. Our investment in this technology reflects our commitment to safety, precision, and innovation, giving our clients confidence in even the toughest conditions.



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