



WESTERNEX
supplying mining & exploration worldwide

RayTrac RFID Drilling Systems

CATALOGUE

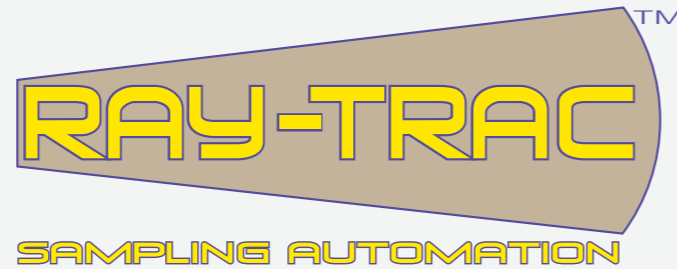


Westernex is ISO certified for a quality management system for the procurement, warehousing and distribution of consumables.

Ray-Trac™ RFID Sampling Automation

RayTrac is the new Radio Wave Tracking and Sampling System for Drilling, available exclusively from Westernex.

- » Save Costs
- » Reduce Labour
- » Increase Sampling Efficiency
- » Track Your Samples Live
- » Decrease Manual Handling



Introducing RayTrac

RayTrac is an Australian invented and internationally patented end-to-end data writing, capture and storage system. It is designed to provide total visibility and the highest levels of compliance in the chain of custody for mineral sample handling.

The RayTrac system can replace hand written bags, sprayed bags and diamond core tray tags with microchip tags that are readable, writable and traceable by high frequency radio wave scanners.

The microchip tags come programmed with your company sample sequence. They additionally store data such as Hole ID, Project ID, Rig ID, Operator, Time, QAQC and sample sequence. Throughout the sample sequence you choose which data to load on or off the bags and who reads what information.

Added to this is the radio wave scanners can enforce company drilling and material handling rules thereby decreasing operator error and increasing safety.

Why RayTrac?

RayTrac is the first radio wave technology used in resource industry sampling and has many advantages over competing products. Unlike barcode scanners radio wave does not rely on optics and so can easily read samples covered in mud, water or even through other objects at a distance.

Our radio wave scanners are sophisticated and very robust with high physical operating tolerances, perfect for weather extremes. RayTrac scanners can detect tens of samples at a distance, this means rapid data capture, saving you time and manual handling.

Through the automation of data collection and with company sampling rules programmed into the scanner, RayTrac eliminates human typographical and sample allocation error. This increases data integrity, saves costs onsite, increases organisational transparency and operational methodology.

Information captured on RayTrac Scanners can be uploaded to company databases manually, automatically, or remotely. RayTrac software is easily configurable to all major mining software packages and is a simple addition to company IT systems.



Features

- » Rugged hardware built for mining
- » Different equipment choices at different price points
- » Customisable scanning software for each operation
- » Adaptable field software designed by field operators
- » Software interfaces with all major database packages
- » Rent or buy with an easy service contract

RayTrac is an easy and effective addition to any systems automation project requiring remote sample supervision.



Cost Savings

Mining and exploration companies can lose thousands of dollars per year on human and system sampling error. Although some of it is recoverable through re-assay or Geologist best guess in the modelling phase it is still a sunk cost that could be reduced to zero with Ray-Trac.

For example a low 2% sample error rate of 100,000 samples x \$100 cost per sample (includes the drill cost per meter, company labour cost, transport cost and assay cost) = \$200,000 total cost in error samples to the company, Ray-Trac can reduce this to zero.

Labour Savings

A RC drill rig can produce about 30,000 samples per year and a modest 60,000m program would require at least two Geologists and Field Assistants on a 9/5 roster. RayTrac saving 2 hours per day for each employee in data entry, sample collection and eliminating error checking soon adds up over the life of the program. RayTrac frees up your field staff for more geology and less logistics in the field, meaning you can focus on the finding ore and not managing a process.

RayTrac labour savings equally applicable to diamond drilling, aircore or even soil sampling in exploration or the mine pit.



Ray-Trac™ RFID Assay System

Optimise your Assay lab sample processing with Westernex using the patented RayTrac RFID sample tracking system.

The RayTrac system (exclusive to Westernex) is a patented RFID system that provides 100% visibility of the sample processing through automation of data movement. This achieves elimination of paperwork and the remote enforcement of company sampling protocol via specialised radio wave scanning devices and microchips embedded in sample bags and sample containers.

RayTrac RFID sensors can be utilised in the assay lab to increase labour efficiencies and track sample movement including; sample receipt, internal movement and sample storage. The RayTrac system frees up employee time by significantly speeding up the sample collection process to, from and in the assay lab, as well as increasing safety in the lab by reducing manual handling (sorting) of samples.

RayTrac offers a number of different and cost-effective RFID tags and scanners to help build the most efficient internal sample tracking system for your lab. RFID microchips can be read through water, dust or mud and this significantly speeds up sample collection time. These samples carry their unique ID, time/date stamp and QAQC that can be written to the microchip during collection and processing of samples.

Each lab and each company has differing needs, so with a wealth of expertise servicing Assay Labs we can customise the product to suit your exact requirements.



RayTrac System Benefits

- » Eliminate Sample Mix-ups
- » Increased QAQC Integrity
- » Eliminate Human Typographical Errors
- » Increase Operator Accountability
- » Increase Sample Integrity
- » Highest Chain of Custody Transparency
- » Reduce Manual Handling
- » Wi-Fi and Bluetooth Available
- » Low Cost OPEX System Rental Model



Perth Head Office

66 Truganina Rd, Malaga,
Western Australia 6090
P: +61 (0) 8 9209 8500
E: perth@westernex.com.au

Kalgoorlie Office

18 Kinclaven Way, Broadwood,
Kalgoorlie, Western Australia 6430
P: +61 (0) 8 9091 1152
E: kalgoorlie@westernex.com.au

Brisbane Office

14 Hasp St, Seventeen Mile Rocks
Queensland 4073
P: +61 (0) 7 3376 2422
E: brisbane@westernex.com.au

Mt Isa Office

13 Ryan Rd, (Entry off Davis Rd)
Mt Isa, Queensland 4825
P: +61 (0)7 4743 2122
E: mtisa@westernex.com.au