



RFID SAMPLING AUTOMATION

RayTrac™ is the new radio wave tracking and sample control system for the drillhole sampling process.



- SAVE COSTS
- REDUCE LABOUR
- TRACK YOUR SAMPLES
- INCREASE SAFETY

About RayTrac



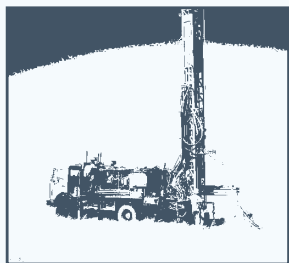
RayTrac™ is the first radio wave technology used in resource industry sampling and has many advantages over competing products. Unlike barcode scanners, radio wave does not rely on optics and so can easily read samples covered in mud, water or even through other objects at a distance.

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, remotely or in person. RayTrac™ software is easily configurable to all major mining software packages and causes no IT system interruption.

Accountability from Drill to Assay to Model



Tag and Log



Track, Pack and Trace



Assay and QC



Data and Model



RayTrac™

LABOUR SAVING EXAMPLE

12 month
2 rig 60,000m
RC Program

2x Geologist

2hr x 9 days x 26 weeks x \$60p/h
=\$28,080 x 2

2x Field Technician

2hr x 9 days x 26 weeks x \$45p/h
= \$21,060 x 2

1x Field Technician

2hr x 260 days x \$60p/h
= \$31,200



**\$129,480
Saved**

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 can save 2 hours per day for employees in sample collection, data entry and error checking - this soon adds up over the life of drill program. RayTrac frees up your field staff for more geology and less logistics in the field, meaning you can focus on finding ore and not managing a process.

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

Autorun. Innovating Industry.

RFID. Sampling. Analytics.



RayTrac™

ERROR COST SAVING EXAMPLE

2% Sample Error

**\$120 All In Cost
Per Sample**

**100,000
Samples**



**\$240,000
Saved**

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 RayTrac.

For example a low 2% sample error rate of 100,000 samples x \$120 cost per sample (includes the drill cost per meter, company labour cost, transport cost and assay cost) = \$240,000 total cost in error samples to the company. RayTrac™ can reduce this to zero.



System Benefits

- Automate the sampling process
 - Eliminate sample mix-ups
 - Increased QAQC Integrity
 - Eliminate human typographical errors
 - Increase operator accountability
 - Increase sample integrity
 - Chain of custody transparency
 - Reduce manual handling
- **Low Cost OPEX System Rental Model**



CALL AUTORUN FOR A QUOTE

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RFID. Sampling. Analytics.