

CON-X

ON-LINE CONVEYOR XRF ANALYZER



MANUFACTURED BY



OFFICIAL DISTRIBUTORS IN INDIA

FENNO-AURUM

Nordic XRF Innovations

Fenno Aurum Oy,
Finland

www.fennoaurum.com



Vocto Technologies Private Limited,
India

www.voctotechnologies.com

CON-X ANALYZER



TECHNICAL SPECS

PARAMETER	SPECIFICATION
Detector Type	SDD (Silicon Drift Detector)
Energy Resolution	160 eV at 5.9 keV
Radiation Source	X-ray tube
Detection Range	Al (Z=13) to U (Z=92)
Concentration (Heavy)	0.01 - 100%
Concentration (Light)	0.1 - 100%
Dimensions	890 x 275 x 240 mm
Weight	45 kg
Enclosure Protection	IP65
Operating Temperature	-20 C to +40 C
Measurement Precision*	+/- 0.25%
Ore Size	6 - 25 cm

* Mean square deviation: +/- 0.25% (static mode, 0.5-90% range). Precision varies by application.

APPLICATION

The CON-X identifies and measures elemental composition in real-time on a moving conveyor belt. Detection range: Aluminium (Z=13) to Uranium (Z=92)

FIELDS OF APPLICATION

Industries: Mining, Reprocessing, Metallurgy

Ready-made elements: K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ge

Ore types: Iron, Copper, Bauxite, Gold, Coal, Cement raw materials

KEY FEATURES

- ~ Real-time analysis on moving conveyor belt
- ~ Accurate in extreme mining conditions
- ~ Works with any ore size (6-25cm)
- ~ Simple operation, zero training
- ~ Auto-skips empty belt
- ~ ERP/LIMS compatible (OPC, 4-20mA, Ethernet)
- ~ 24/7 remote support
- ~ Custom mineral setups

READY-MADE FOR

- Iron Ore Mining
- Cement Plants
- Gold / Precious Metals
- Copper Processing
- Bauxite / Aluminum
- Coal Mining

WHY CON-X ?

10 Reasons CON-X Outperforms Every Alternative

#1 Real-Time on Moving Conveyor

Others: Lab/handheld analysis is offline, 2-3 hour delays

CON-X: Continuous measurement directly on the belt

→ **Advantage:** Instant decisions, zero production stops

#6 Precision in Motion

Others: Lab accuracy arrives 2-3 hours too late

CON-X: +/- 0.25% precision at belt speed

→ **Advantage:** Real-time accuracy when it matters

#2 100% Coverage vs 10% Sampling

Others: Manual testing covers only 10% of material

CON-X: Scans 100% of ore passing on conveyor

→ **Advantage:** No blind spots, no missed grade changes

#7 Universal Detection

Others: Limited to specific element groups only

CON-X: Al (Z=13) to U (Z=92)

→ **Advantage:** One device for all your mineral analysis

#3 Extreme Environment Reliability

Others: Systems fail in dust, vibration, temperature extremes

CON-X: IP65 rated, operates -20C to +40C

→ **Advantage:** Zero downtime from environmental factors

#8 Intelligent Automation

Others: Wastes tests measuring empty belt sections

CON-X: Auto-detects and skips empty belt

→ **Advantage:** No wasted measurements, cleaner data

#4 System Integration

Others: Standalone devices create data silos

CON-X: OPC, 4-20mA, Ethernet - connects to any ERP/LIMS

→ **Advantage:** Automated workflows, no manual data entry

#9 Global + Local Support

Others: Local-only support, expensive service contracts

CON-X: 24/7 remote diagnostics + local Vocto team

→ **Advantage:** Minimal downtime, fast resolution

#5 Zero Training Required

Others: Handheld XRF needs 2-3 weeks operator training

CON-X: Fully automated, no operator intervention

→ **Advantage:** Deploy immediately, save on training costs

#10 Custom Mineral Setups

Others: One-size-fits-all calibration approach

CON-X: Tailored calibration for your specific ore

→ **Advantage:** Higher accuracy for your exact application

CONTACT US



VOCTO TECHNOLOGIES PRIVATE LIMITED



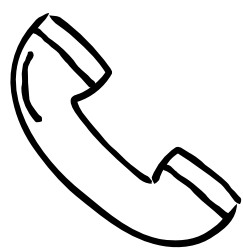
ADDRESS

B4, Phase II, MEPZ-SEZ,
Tambaram, Chennai 600 045



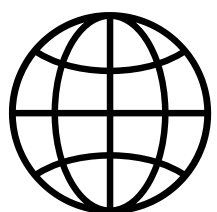
MAIL

rrk@voctotechnologies.com
sishaath@voctotechnologies.com
aruljothi@voctotechnologies.com



PHONE

+91 99941 78734
+91 44 2262 9112 / +91 44 2262 1020



WEBSITE

www.voctotechnologies.com