

**Maximum profitability  
with world class  
analyses**

# Precision and innovation

Xore is one of the world's leading suppliers of analyzers and related services to the mining industry. Xore is the natural first choice when investing in equipment for on-stream analysis of pulp and liquids. Our product brand is Boxray™.

Xore is a genuine Swedish engineering technology company based in Skellefteå in northern Sweden. Our analyzers are robust and known for extreme precision, great quality and top performance. The products are based on innovations from the Swedish mining industry.

*Welcome to Xore's world!*





Mikael Normark, CEO

# The global perspective

The mining industry is global and Xore is a growing company operating on a worldwide market. Today, our analyzers can be found on markets over three continents. We have established our products in Europe, North America and Africa. We are actively working on expanding our partner network.

We help customers in the mining industry, the world over, to optimize their production with our system that is fast, precise and provides continuous analyses. With Boxray™ a concentrator plant can, in a very short time, become more productive and profitable. Our operational reliability is maximal.

Our suppliers are carefully selected and can be found both locally and worldwide. Working with the right supplier ensures both quality and effectiveness and we always work with the best available technology.

## The Xore way



### **Product development**

Our focus is on quality, function, materials and the future. We work closely with our customers and their operations for the best results.



### **Construction**

Robust solutions with high technological level and quality. Carefully selected suppliers, both locally and worldwide.



### **Sales**

We work with personal contacts that listen to each customer's needs. Long term business with excellent relationships.



### **Service and support**

For us, business is a total commitment. We listen, help and suggest solutions. Fast, easy and competent.



### **Partner network**

Found locally, we work globally. To be close to our customers, we continue to develop a network of professional partners.



### **Sustainability**

Our fast and accurate analyses optimize customer's processes and minimize environmental impact.

# Boxray™ Compact



**For most concentrator plants.** Boxray Compact has three measurement cells that are mounted on a sled that moves sideways. Two of the cells are used for streams and the third is adapted for a reference sample. Boxray Compact is equipped with a multiplex system that allows up to 16 sample streams.

The analyzer automatically switches between the two measurement cells. When one cell is active, the other is cleaned and then filled with the next stream to be sampled and analyzed.

The entire sampling cycle is optimized to work continuously, fast and effectively.

Specifications	Boxray™ Compact	Boxray™ 24
Number of streams (Measurement cells)	16 (2)	24 (24)
Measurement time	30-40 s	10-25 s
Analysis cycle time (Streams)	10-12 min (16)	6-12 min (24)

# Boxray™ 24



**For many concentrator plants.** Boxray 24 consists of a carousel equipped with 24 measurement cells that enable a single analyzer to monitor multiple steps in the process, from ore to concentrate. As each stream has its own loop and measurement cell, there is no risk that samples will be contaminated by other streams, which can corrupt analysis results.

Each sampling tank and measurement cell is automatically emptied and flushed clean during the time the next cells in line are being measured and analyzed. Modern x-ray detectors enable extremely precise measurements and very short sample cycles. Boxray 24 works extremely effectively, handles variations in ore fast and is optimal for large concentrator plants.

Specifications	Boxray™ Compact	Boxray™ 24
Sample concentration	0.001 - 100%	0.001 - 100%
Detection limit (Slurry, 30% solids, Ag, 30 s analysis)	5 ppm	5 ppm
Reproducibility (30% solids, conc. > 20%)	< 0.5% relative	< 0.5% relative
Analyzable elements (Atomic number)	19-92	19-92

# Boxray™ Flowstand



Our secondary sampling tanks are fully automatic and are used with both the Boxray 24 and Boxray Compact. In addition to the streams being screened and flowing down to the analyzer, daily average samples are collected. These daily samples flow down to special containers (pots) with perforated bottoms, where the water is drained from the samples, which makes work fast and effective for lab personnel.

All Flowstands are adapted to the analyzer to be used. The Boxray 24 stand has two sets of 12 sample tanks, which means a total of 24 tanks. The Boxray Compact stand has two sets with eight multiplexing tanks. All Flowstands are equipped with integrated lighting for a better work environment.





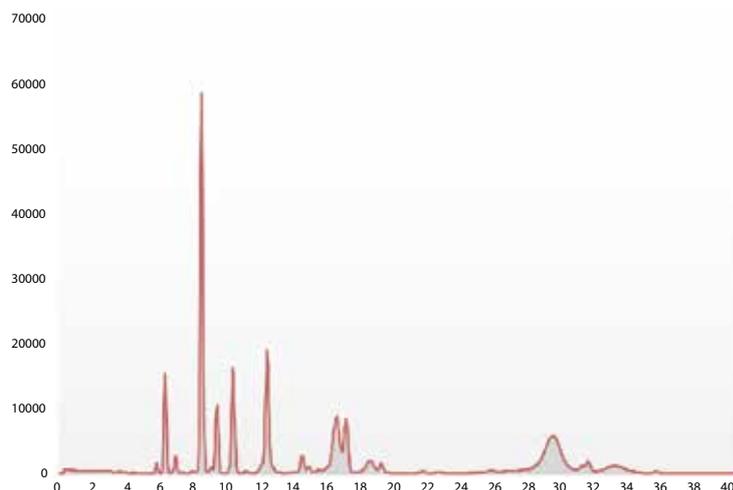
# The secret behind the successes

We work with an advanced and well proven energy dispersive x-ray technology that is superior at making fast multi-element analyses. Modern silicon drift detectors provide precise analysis results in 10-15 seconds. This means that Boxray handles short cycle times and many sampling points.

Xore's method is intended for continuous measurements without interruptions, around the clock. This means that precision is maximized and the analyses provide a more accurate and clear picture. This in turn means your process can be optimized better and that all material is handled and extracted in the best way.

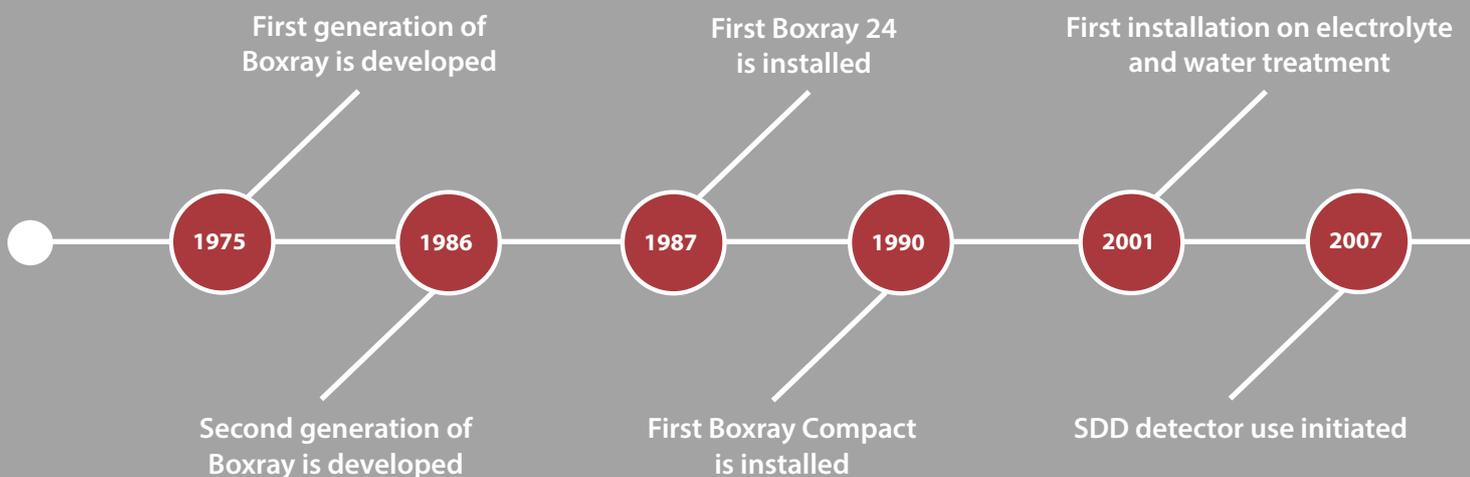
With the Boxray system, you can analyze faster and with greater precision than with any other actor on the market. A concentrator plant can function with a single centrally placed system, instead of several.

For us, it is important to get it right. We are happy to discuss the facts we provide and how they were concluded. Being clear and providing good background information gives us the security of knowing we are credible.





# Development focusing on growth

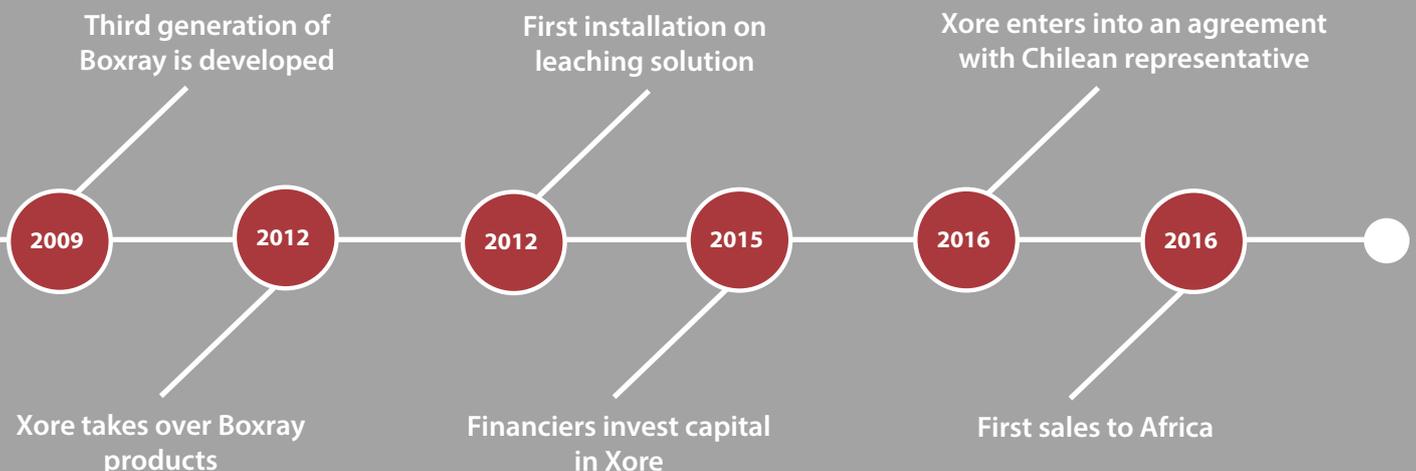


# We take care of you the whole way

Our commitment is not short term. It is there for the long haul. If we are not your closest contact, one of our partners is. Regardless of which it is you, as the customer, are central.

Our focus is on offering a system that gives maximum profitability and productivity. Our products are developed to be robust, precise and maximally reliable. We know that a production stop can mean major work efforts and costly production losses.

That is why we offer you a service agreement and training program that gives that extra security. Our partners undergo a training program before they are approved. We employ careful supplier evaluations so that we can offer the best available technology, consistency and excellent quality, as well as secure deliveries.



# A partner to count on



Xore is one of the world's leading suppliers of analyzers and related services to the mining industry. Our product brand is Boxray™. Our goal is for Xore to be the natural first choice when investing in on-stream equipment for analysis of pulp and liquids. Our analyzers are robust and known for extreme precision.

Xore is a technology company based in Skellefteå with its roots in the mining industry of northern Sweden.



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