## Mining

# Improve Quality Control and Extend Part Life with Additive Manufacturing

Design more efficient parts with consistent output and improved wear resistance.



Abrasive solutions were shortening the life of metallic parts used in mining, and traditional welded assembly method made quality control difficult.

#### The Solution

ExOne's 3D metal printing technology was used to print single-piece strainer plates.

#### **ExOne's Competitive Advantage**

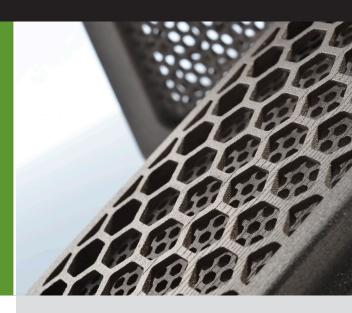
Additive manufacturing offers the ability to optimize part design; there is no cost for complexity. ExOne's material is extremely wear resistant and extends part life.

#### About ExOne

ExOne offers digital part materialization using threedimensional printing to create full-form parts directly from CAD data for a variety of applications. The technology is capable of a geometric complexity unachievable with conventional manufacturing methods.

Components produced by ExOne can reduce weight, integrate multi-piece assemblies, enhance product functionality and significantly reduce lead times for prototype and short-run production.

ExOne operates facilities across the Americas, Europe and Asia.



#### **Specifications**

Customer: Withheld

Part Name: Strainer plates for decanter

centrifuges

Batch Size: 24

Part Size: 4 x 6 inches

#### **Traditional Method**

Imported welded multi-piece assemblies

### ExOne® Metal Printing Method

Total batch of single piece designs printed in one production run



CAD Design

