

## Derrick<sup>®</sup> Hyperpool<sup>®</sup> in gold RIL applications

- Totally encapsulated for corrosion resistance
- Patented 3D screen panel technology enables small footprint
- Fast and easy panel changes

### Background

The use of resin in place of carbon for leaching of gold is somewhat new and offers distinct advantages over carbon such as eliminating cyanide for gold leaching and adsorption.

In the example of a prominent gold mining company, large (nominal 10 feet x 20 feet) vibrating screen machines were utilized to separate ore slurry from resin beads. It is important to note that resin beads are significantly smaller in diameter than the traditionally used carbon. Due to this difference in particle size, conventional vibrating screen machines require a very large surface area to make the fine separation required for this application.

### Solution

Derrick<sup>®</sup> demonstrated to this US gold producer that two Derrick Hyperpool<sup>®</sup> machines, with a nominal screening area of 32 square feet, can easily replace a machine with approximately 200 square feet of screening area! By employing this proprietary technology to solve difficult screening challenges, Derrick has developed a strong reputation for replacing large vibrating screening machines with significantly smaller machines.

Prior to replacing the traditional screening machines with innovative Derrick screening technology, this US gold producer was only able to run at 50 percent nameplate capacity, which had a highly negative impact



Previous 10 feet x 20 feet vibrating screen



Derrick Hyperpool machines

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on profitability. Derrick's three dimensional synthetic panel technology replaced the traditional screening equipment previously installed. This revolutionary innovation permits fine-aperture screening of high volumes of ore slurry.

### **Conclusion**

Utilizing Derrick Hyperpool machines and three dimensional synthetic panel technology enabled this gold producer to not only solve a problem of inefficient screening but also to operate at a profitable level for their shareholders. Derrick takes great pride in offering low-cost fine screening solutions that also gives client increased plant efficiencies not previously obtainable.



Patented screen panel technology

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**For more information, please contact your local Derrick sales representative.**

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