

## **PTEZ™ Belt Trainer Eliminates Belt Damage**

### **Industry**

Iron Ore

### **Application**

Screen Conveyor/Secondary Crusher/Stacker  
Feed Belts

### **Product**

PTEZ™ Belt Trainer

### **Objective**

- Keep up with increased speed of belt
- Reduce belt-edge damage

### **Conveyor Details**

- Product Conveyor: 900mm wide, 4.48m/sec
- Screen Conveyor: 1200mm wide, 2.25m/sec
- Secondary Crusher Product Conveyor:  
1000mm wide, 3.94m/sec
- Stacker Feed Conveyor: 900mm wide,  
4.01m/sec



### **Problem:**

An Iron Ore site in the Pilbara region of Australia was experiencing the same mistracking issue on four different conveyors – all vital to their ability to get product to the port, ready to sell. The challenges started when the site increased the speeds and amount of product conveyed. The site had inverted v-roller frames installed on the belt, which were sufficient to keep the belt on track prior to the site increasing demands on the belt. Unfortunately, the frames were beginning to create belt-edge damage in addition to severe belt mistracking.

### **Solution:**

When a Flexco Heavy-Duty Conveyor Specialist conducted an audit on the affected conveyors, he suggested that they try the PTEZ™ Belt Trainer. Soon after, members of the maintenance team attended a training session at the Flexco Perth facility. During the training session, they were able to learn more about the product and examine a model that was installed on the training conveyor. They learned that the belt trainer features Flexco's patented "Pivot and Tilt" technology – which allows the unit to compensate immediately to any belt misalignment – and were sold on trying the trainer.

### **Result:**

The installation crew was amazed at how simple the belt trainer was to install onto the conveyor. They were also surprised and delighted at how well the belt trainer worked on all four of the conveyors experiencing the same challenges. Since the installation of the trial units, the site has purchased and installed several more PTEZ belt trainers for other conveyors with mistracking issues.