1. Khumani Expansion (Extract from Mining Weekly)

Specialist vibrating equipment supplier Joest (Pty) Ltd, renowned for its product quality, robustness and reliability, were proud partners with DRA in Assmang's Khumani BKM Iron Ore Project. Joest secured the supply of 23 linear motion vibrating screens and 26 brute force feeders for the arduous iron ore beneficiation process. These units employ oil splash lubricated geared exciters and out-of-balance motors which are imported from our licensor.

Applications include single deck scalping and double deck classification screens, with reverse slope dewatering. Units range from 0,9m up to 3,66m wide and 8,5m in length.

Being of a heavy duty design the 2,44 x 8,355m ROM scalping screen in particular, is capable of handling a peak tonnage of 3000tph at 90% efficiency in terms of fines removal. Treating lump sizes in the order of 800mm, rubber panels were the preferred screen media for the production of the minus 80mm product on the unit which is declined at 10° to ensure optimal performance

The feeders range from 1 – 3,8m wide and 2-4,5m in length with capacities from 250 to 1300 tph with high-sided units ensuring spillage free transit in the crusher and stockpile applications. Bunker loads and chute geometry were crucial to their design.

The contract further complements our vast installation base in the Northern Cape's manganese and iron ore operations which includes the Sishen Expansion Project incorporating 73 screens and 9 feeders.

Our aftermarket service is supported by a dedicated Joest field service representative based in Kuruman. This facilitates a qualified, guaranteed audit and repair service ensuring maximum uptime.

Situated in Spartan, Kempton Park, the company is licensed to Jöst GmbH, Germany, for the manufacture and distribution of vibration technology throughout sub-Saharan Africa. In order to satisfy local requirements, Joest has the capability to design and customize designs to suit and has recourse to Jöst for design validation using finite element methods.