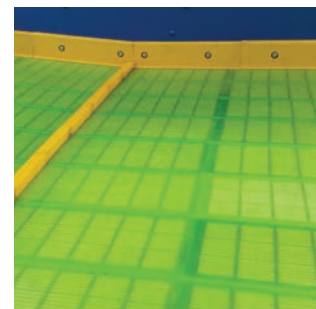


# Screens & Bulk Handling Technology

Don Valley Engineering Ltd. are Experts in the Manufacture of Static, Heavy Duty Linear Screens and Material Handling Technology.



**Don Valley Engineering Ltd. Screening Technology** can handle the bulk of materials used in mining – from large rocks to fine particles. Both wet and dry materials can be screened including; iron ore, coal, minerals and all kinds of base metal ores.



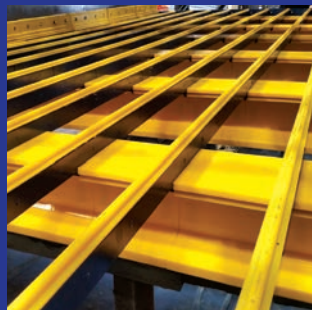
# Specialists in Technological Problem Solving

We are specialists in heavy industry material handling - conveying, screening, cleaning, washing, dewatering, separation, drying and cooling. We assist in all processes from initial feasibility studies and front-end engineering, planning to the construction of plant infrastructure, mechanical installation and electrical installation.

Our material handling expertise is derived from years of working in the UK coal industry, from coal preparation, the design of complete plants (including washing and cleaning), to separating and screening. We now serve a wide host of industries, providing environmentally friendly energy production.

Our exploration and preparatory work in mines and quarries require outstanding technology and materials. Don Valley Engineering Ltd. Process Solutions are used where others fail, offering you high quality, reliable and affordable solutions.

- ▶ Modular Coal Preparation Plants
- ▶ Screening and Separating Plants
- ▶ Bulk Handling, Storage and Conveying Systems
- ▶ Rail and Truck Unloading Systems
- ▶ Weighing Feeding and Dosing Systems for coal, iron ore, precious and base metals



## Wear Protection

- Bonded rubber or bolted with steel backing
- Polyurethane cross member protection with magnetic fixing
- Polyurethane side wall protection
- Below deck and above deck protection
- Spray applied polyurethane / polyurea
- Hard faced wear liner plates



## Rubber Buffer Mounts

- Robust and flexible screen support
- Promotes reliability and life time longevity, compared to coil springs
- Reduced vibration loadings
- Minimal dynamic vibration by the use of isolating frames



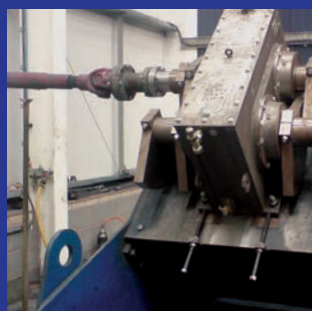
## Cross Members

- Machine faced end plates on drive beams and cross members
- Glue sealed and permanent fixing
- Secure huck bolt fasteners used



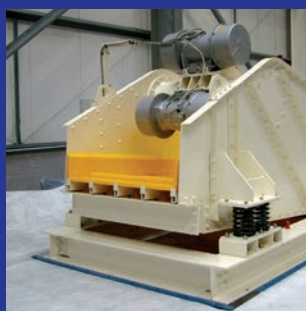
## Linear Action Exciter Drives

- Two sets of rotating segments on each side of gear box
- Four bearings and two gear synchronised shafts
- Oil lubrication system with gearbox breather
- Flange connected using cardan shafts
- Driven by a single static electric drive motor



## Factory Testing

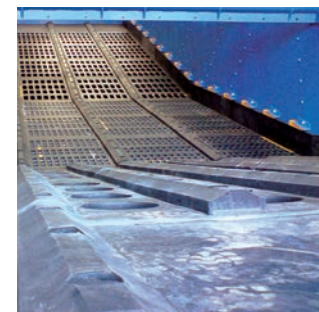
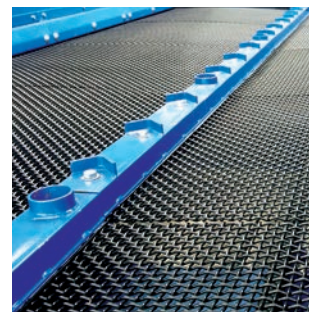
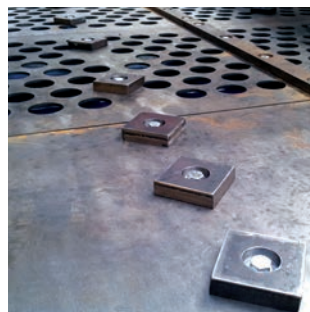
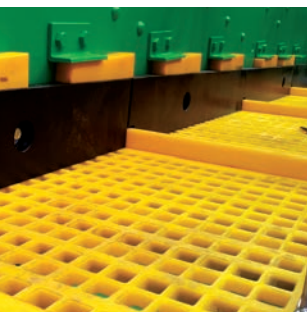
- All Exciters are fully inspected and individually tested
- Screens factory tested before dispatch
- Screens monitored and natural frequency test data recorded



## Linear Action Out Of Balance Electric Drive Units

- Two out of balance electric motor drives
- Adjustable vibration amplitude
- DOL starting, self-synchronising
- Optional DC or reverse phase breaking systems





## About

- Established 1947
- Offering over 65 years experience
- World Leader in specialist Process Plant Machinery
- The UK preferred supplier of Screens, Feeders, Centrifuges, Dewatering Screens, Vibrating Centrifuges, Belt Conveyors
- Offering equipment to the aggregates, minerals, mining, biomass, ores, sugar and coal industries
- Providing mechanical and electrical design and supply
- In-house construction division
- Supply only to Full Turn Key System
- CDM site management and site supervision
- Thousands of machines operating throughout the world
- Commitment to continuous improvement
- Flexible solutions provider
- Ambitious market leader
- Quality management plan
- Investor in people
- Trusted and secure partner





A Screen  
Designed to  
Meet Your  
Application

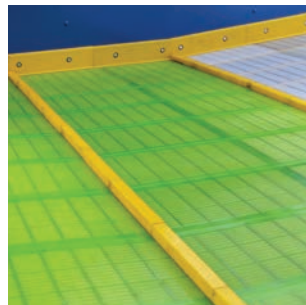
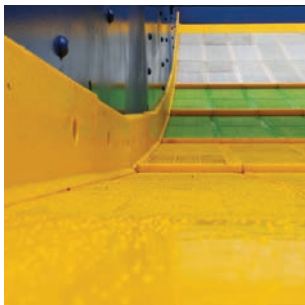
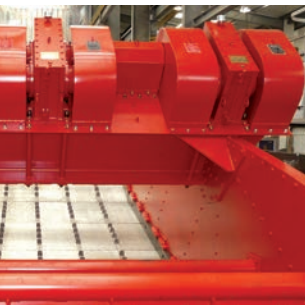


High Quality, Cost Effective, Reliable Solutions

We offer a wide range of services from initial design concept, cutting edge fabrication to manufacture & assembly. We also provide factory acceptance testing and mechanical installation by our own in-house engineers, as well as commissioning and final handover.

Don Valley  
Engineering,  
Our Name  
is Your  
Guarantee

We Built our  
Reputation  
on Trust,  
Innovation &  
Reliability



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