

# Conveyor Drives



NEPEAN remains at the forefront of design and manufacture of power systems for conveyors which are tailored to our customer's specific needs. With decades of experience with all types of drive systems, NEPEAN delivers solutions designed to facilitate our customer's commercial success.

## **BUILDING TECHNICAL CREDIBILITY SINCE 1985**

Tough Australian conditions have been our training ground since 1985 - knowledge and experience is reflected in the conveyor drive technologies we deliver today. Our engineering team understands the nature of conveyor system dynamics in mining applications - this is crucial in applying the right drive technology for each individual project.

**NEPEAN have the technical experience with all types of drive systems commonly used in the mining industry.**

Some common drive types include:

### **VVVF – Variable Voltage Variable Frequency**

NEPEAN Conveyors, in association with NEPEAN Power, are able to offer the most advanced, high tech VVVF conveyor drive systems. NEPEAN is proud to have pioneered this drive technology in the underground mining sector, with over 200MW of installed equipment to date. With unparalleled acceleration control and drive load sharing, adjustable speed facility and the ability to perform braking from



the drive unit, VVVF drive technology is the preferred drive choice of our major customers.

### **CST – Controlled Start Transmission**

NEPEAN offers experience and knowledge in the design and operation of CST drives and refurbishment to stringent OEM control. Trialled, tested and proven since 1993, CST drives are a reliable mechanical solution for conveyor control and have been adopted globally.

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## Fluid Couplings

NEPEAN understands the importance of delivering solutions with capital and operating costs in mind. When conveyor dynamics permit, constant filled fluid coupling drives are a cost effective option. For more demanding situations, NEPEAN can provide variable filled drive solutions with control functionality equal to CST and VVVF drive systems.



## Boss Drives

NEPEAN's patented Hydraulic Wet Disc Clutch is a time-proven technology for medium power range conveyors. A gap in drive technology between simple and complex systems led to the development of the BOSS Hydraulic Wet Disc Clutch System. The BOSS drive offers the most simple, time dependent, controlled start system, capable for use in underground mining. The BOSS drive can be retrofitted to existing constant fill fluid coupling drive units, providing an inexpensive and ergonomic upgrade pathway for existing conveyor systems required to reach increased mine production targets.

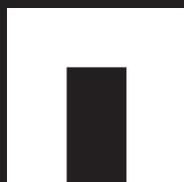


## LARGEST IN AUSTRALIA

NEPEAN Conveyors is the large scale mining conveyors projects arm of NEPEAN Mining, NEPEAN Mining is a division of NEPEAN™, Australia's largest privately owned engineering, mining services and industrial manufacturing organisation. NEPEAN Mining provides an extensive portfolio of Conveyors, Power and Longwall products and services to Australia's mining industry. Each can independently deliver unique, high quality results, or as one company, we offer a one stop mining solution.

## WITH MORE LOCATIONS, WE'RE NEVER FAR AWAY

We design and manufacture in multiple locations around the world.



**NEPEAN**  
Conveyors

For more information please contact:

**AUSTRALIA: 1800 NEPEAN**  
**SOUTH AFRICA: +27 11 708 2854**