The track milling process is a new process for the Australian Rail Industry for the removal and rectification of rail defects. The milling process removes defects by cutting out the defects with the metal chips/swarf removed by vacuum to be stored by the onboard chip container.

Linsinger of Austria has been manufacturing Rail Track Milling Machines for the past 15 years for the European rail industry. Linsinger produce a range of track milling plant that includes high speed rail trains, mobile milling trucks which are currently operating on the German, Polish and Turkey railway networks.

Linmag Australia is the service arm of the Linsinger Company that provides on track milling crews from Austria with Australians now being trained in the process.

Linmag introduced the Linsinger SF02 milling machine in Australia in on V/Line Melbourne including an on going contract with Metro Trains Melbourne. The 2nd SF02 milling machine, which is also gauge convertible, has recently arrived in Melbourne. There is a growing demand for milling programs in the Australian rail industry.

The milling process applications provides;

- Removal of surface defects with processing depth of 0.3 – 1.0 mm in one pass that includes processing of the rail profile.
- High accuracy of traverse and longitudinal profile.
- No thermal damage to the rail head.
- Milling process does not produce sparks eliminating track fires.
- The process does not require cutting fluid or duct that cause environmental damage.
- No need to remove track lubricators runs in the same window as the train.

**ABOUT THE SPEAKER**

Brian started his working life with a Mechanical Technicians Certificate, supported by a part time 6 years Sales & Marketing course in the 1970’s.

Having a mechanical and sales background allowed him to spend some 40 years into many areas of industry that have seen significant changes due to rapid technology advances.

Brian has worked primarily in the heavy engineering, bulk materials in the mining industries including the rail sector. He was involved in engineering services, products such as track lubrication, track signals, track grinding and measurement and now track milling.

Due to the considerable technological changes within all industries, customers are increasingly requiring onsite support post sales and provide solutions which Brian has provided over the years.

He has been with Linmag Australia for last 2 years. He plays a multi-skilled role to educate the industry about the new milling technology, its benefits including cost savings and importantly, clarify any misconceptions on the milling process.