The Atlas Rail Underfloor Wheel Lathes (UFWL) are designed to re-profile wheelsets both on and off the vehicle for a wide range of rolling stock. It is a heavy constructed proven machine, designed for years of use and is in service with many rail operations around the world.

The UFWL supports the following capabilities and features:

| Single or tandem configuration | Supports wheelsets with inboard and outboard axle supports |
| Tandem configuration incorporates two machines installed and operated back to back | Re-profiling of individual wheelsets in a bogie |
| Tandem configuration is ideal and effective for large fleets of rolling stock with high throughput | Re-profiling of both wheelsets in a bogie simultaneously (Tandem configuration) |
| Heavy duty design allows for heavier cuts enhancing the throughput rates | Machining vehicles with coupled wheelsets |
| | Saves and stores pre-configured cutting profiles |

The standard configuration is capable of measuring:

- Profile measurement
- Wheel diameter and total radial run-out
- Flange height and thickness
- Flange angle (QR dimension)
- Wheelset back to back dimension and wheel wobble

Marand customers include:
- Rio Tinto
- BHP Billiton
- Bombardier
- Pacific National
- QR
- Downer EDi
- UGL
- Onesteel
- RailCorp
- Fortescue