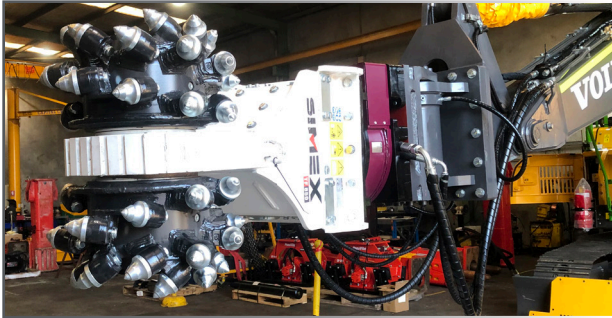


# SIMEX TF850



## underground tunnelling

ready for delivery



trial



trial



in action



- operator and mine safety
- efficiency
- low noise level and vibrations

**job application:** An underground gold mine portal expansion

**location:** Pilbara Western Australia

**problem:** the issue was underground and on a slope with some soft limestone ruling out the traditional drill and blast processes as operators couldn't blast the rock because it was limestone, which would fragment and become unstable.

### solution:

- modified version of the Volvo ECR235E excavator was chosen for its reduced swing radius which suited the tight, underground working conditions
- A dozer blade fitted to the back of the excavator to leverage the machine into a level position, no matter the incline of the job
- A grinding wheel attachment, SIMEX TF850
- TRS engineered, fabricated and modified an excavator arm section to accommodate the 360° rotator and the 140° left-right actuator, fitted directly to the machine to the OEM specifications
- dust suppression system

### results achieved with SIMEX Rock Grinding Wheel:

- soft limestone was effectively grinded away at the face
- operator safety and comfort
- low noise level and vibrations

