

BenchREMOTE

Remote operator station for surface mining operations

Control one to three rigs remotely from a distance of up to 100 meters



Take a leap forward in safety

BenchREMOTE from Epiroc makes it possible to remove the operator from dangerous areas. BenchREMOTE transforms your business to a safer and more effective mining operation. It pushes forward the boundaries in surface mining automation.

+ Main benefits

Increased productivity and efficiency. One operator can run up to three rigs from the same BenchREMOTE.

Enhanced safety. The best way to protect the operator is to remove them from unstable and hazardous benches. BenchREMOTE makes it possible to drill close to the wall without anyone needing to be in the drilling area.

Improved operator working conditions. BenchREMOTE dramatically reduces noise and dust levels for the operator. It's also possible to site several BenchREMOTE stations together, making direct communication between operators and management much more direct and effective.

BenchREMOTE is available in both single and multi-rig variants (a single version can later be upgraded to multi-rig)

Many existing models of SmartROC rigs can be upgraded to work with BenchREMOTE

BenchREMOTE can be installed in a customer-supplied vehicle, trailer or container



Line of sight operation from up to 100 meters distance from the drill rig

All controls and displays are identical to those fitted in the remote rig

A display shows a live feed from all cameras on the remote rigs

Multiply efficiency and eliminate danger

BenchREMOTE is a remote operator station designed to control SmartROC rigs from Epiroc. It enables operators to work at a safe distance of up to 100 meters. BenchREMOTE can handle up to three SmartROC rigs in parallel – taking productivity to a new level.



+ Safety

Combined use of Epiroc's Hole Navigation System (HNS) and the camera system allows the operator to drill close to the bench wall without taking any risks. BenchREMOTE can be used up to 100 meters horizontally and 30 meters vertically from a remote rig. The BenchREMOTE operator must always have a direct line of sight to all remote machines.



+ Productivity

Thanks to an automated drill cycle, BenchREMOTE can control up to three SmartROC rigs at the same time. This dramatically increases operator productivity. Each BenchREMOTE can be pre-programmed to recognise ten rigs, making the planning process easier.



+ Communication

All communication between BenchREMOTE and associated remote rigs is transmitted via a closed WiFi network. This means that BenchREMOTE is totally independent of any local network infrastructure. If contact between BenchREMOTE and any remote rig is broken, the rig will stop operating immediately until contact is restored. A single display shows a live feed from all rig cameras, providing an overview to aid more accurate drilling.



A comprehensive service offering

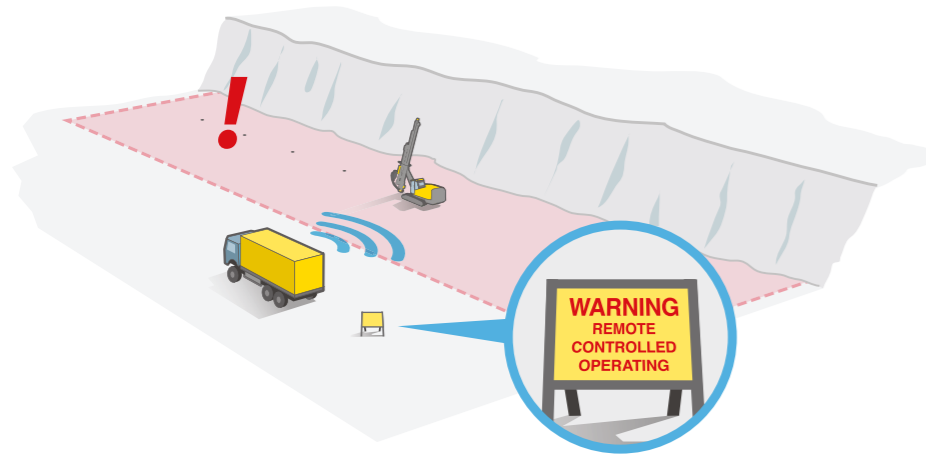
Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.



BenchREMOTE – a smarter way to work

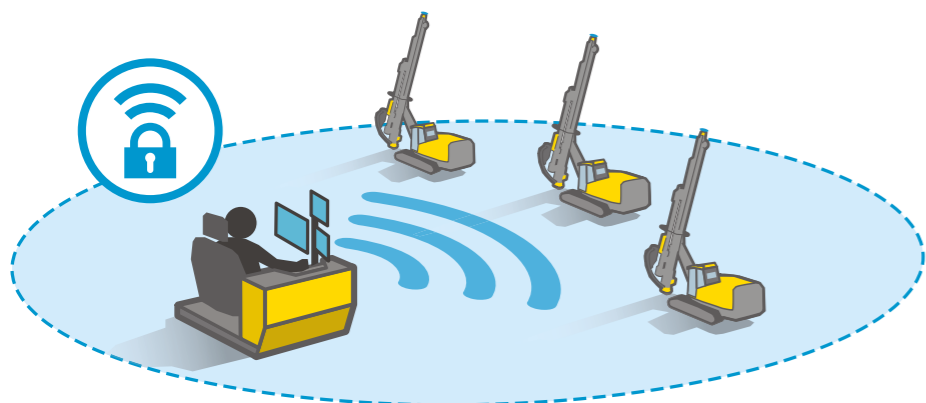
Control up to three HNS-equipped SmartROC rigs simultaneously from one operator station. Up to ten rigs can be pre-programmed into each BenchREMOTE station.



BenchREMOTE can be used up to 100 meters horizontally and 30 meters vertically from the remote rig. Operators can be highly productive without ever having to enter a hazardous area.



BenchREMOTE can be installed in a customer-supplied vehicle, trailer or container. All BenchREMOTE controls and screens are the same as in the real rig cabin – SmartROC operators will feel right at home.



Reliable communication between BenchREMOTE and remote rigs is ensured via a closed and secured wireless network. A local wireless network is not required.



Dimensions

| | Metric | US |
|--------|---------|--------|
| Length | 1205 mm | 47.5' |
| Width | 1120 mm | 44' |
| Height | 1369 mm | 54' |
| Weight | 250 kg | 551 lb |

BenchREMOTE versions

There are currently two versions of the BenchREMOTE available. One to control SmartROC D50, SmartROC D55, SmartROC D60 and SmartROC D65. The second version to control SmartROC C50, SmartROC CL and SmartROC T45 long feed.

SmartROC rig requirements

- Hole Navigation System (HNS)
- Reverse camera
- Wide body kit*
(*recommended option)

Customer requirements

- 10-30 VDC Max 15 Amp power supply
- A suitable place to mount BenchREMOTE such as a vehicle, container, cabin or trailer for example

United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
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