

Brokk 330 with cable reel



Remove coating



Discharge coating



Release longitudinal tension

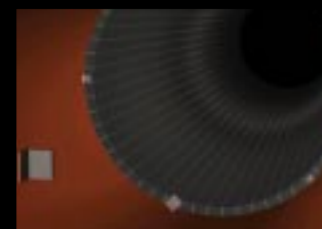


Brokk kiln repair system - break up and clean out

Our demolition concept is an efficient, safe and modern method. The pictures are taken from our video describing how Brokk is used in the cement industry.



Debrick half circle



Secure remaining lining



Feed out bricks



Ready for next assignment!



Brokk is used in over 200 cement works around the world. As the method becomes more well-known, the number of Brokk machines working in the cement industry increases.

Choose the best Brokk model

When choosing the proper Brokk model, the shell diameter of the kiln is one of the determining factors. The second is the size of the kiln door opening. With this information, your dealer can tell which of our machine models is the most suitable for your needs.

Stationary Brokk units can efficiently perform continuing jobs, such as boulder breaking in crusher plants and breaking of »frozen material« in cement clinker coolers.



Start up and operator training

We would be pleased to prepare an offer for the start-up of the machine and the training of service personnel. This way, you can begin quickly and get optimal use of your Brokk.

While a Brokk is easy to manoeuvre, having skilled operators naturally means more efficient demolition. That's why we help provide training on all levels.

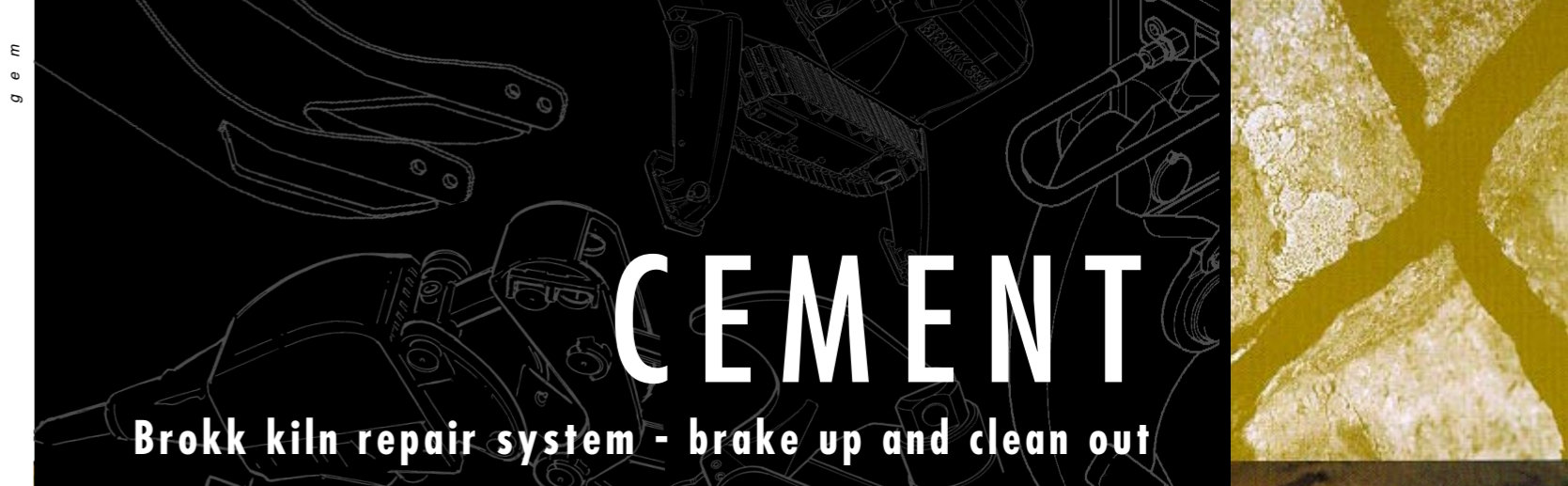


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Brokk in the cement industry

A simple calculation is usually all that is needed to justify using Brokk in the cement industry. Since every hour by which downtime is reduced translates into significant savings, investment in a Brokk quickly pays for itself. But there are other reasons for using Brokk in the cement industry.

Remote controlled, electrically operated power

All Brokk models are remote controlled. The machine does the work, while the operator stands a distance away, and has a perfect view of what is going on.

Where real precision is needed, the operator can also stand much

closer to the work site. The three part arm provides maximum accessibility.

Brokk can also work in environments where people normally would not be able to stay, due to heat, dust, noise, etc.

Since a Brokk runs on electricity, it produces no exhaust fumes.



Development of methods and accessories

When you invest in a Brokk machine, you also gain access to patented kiln-demolition methods, specially developed for the cement industry. This also covers the handling of demolition waste, etc.

The earth fault circuit relay and voltage control unit, optional equipment recommended for work in steel vessels, is an especially important accessory.

You can increase the versatility of your Brokk by equipping it with side-angling device, and adding tools such as a bucket.

We continually work together with our customers to develop new tools and accessories.



Safety and decreased downtime mean increased production

Increased employee safety is a major argument in favour of the Brokk design. Brokk eliminates the harmful vibrations connected with the use of a hand-held tool.

Brokk significantly increases the likelihood that you will enjoy effi-

cient, interruption-free operations. This especially applies in cases of risky procedures, such as the demolition of the upper portion of the kiln. Experiences from several cement works show that downtime is reduced to one-tenth or even less!

Shorter interruptions during renovations provide more productive time, and increased total capacity.

Cleaning and demolition of brick linings

In the cement industry, a Brokk, equipped with a hammer, is very useful for cleaning cement kilns and demolishing brick linings.

But Brokk can also be used for the ongoing clearing of crushers, as well as for the demolition of foundations and structures.

Do your own profitability calculation

Conditions

Demolition of coating and lining, - kiln section (m)

Diameter of the kiln (m)

Daily production (tonne)

Fill in the current daily production

Time savings

Time requirements, man. work (days)

Enter the estimated time required to demolish the coating and lining of the kiln in question, using your current method.

Time requirements, Brokk

Divide above figure by four.

Decreased downtime

Subtract »Time requirements, Brokk « from »Time requirements, manual work«.

No. of downtime periods per year

Total decreased downtime

Multiply decreased downtime by no. of downtime periods, the result is your »Total decreased downtime«.

Result and profit per year

Decreased downtime per year

Daily production

Calculate the increased annual production, by multiplying the decreased downtime value by the current daily production.

Increased annual production

Multiply above value by your »net profit per tonne of cement«.

Net profit per tonne of cement

The resulting amount is your annual profit.

Profit per year

In addition, please refer to the example below. You can also contact your nearest Brokk representative for a complete profitability calculation.

Calculating profitability*

Conditions

Demolition of coating and lining - kiln section	25.0 m
Diameter of the kiln (m)	5.6 m
Daily production (tonne)	7,500 tonnes

Time savings

Time requirem., man. work (days)	4 days
Time requirements, Brokk	1 day
Decreased downtime	3 days
No. of downtime periods per year	2 periods
Total decreased downtime	6 days

Result and profit per year

Decreased downtime per year (6 days) x daily production (7,500 tonnes) = increased annual production of 45,000 tonnes
 Net profit per tonne of cement \$12 US dollars

Profit per year \$ 540,000 US dollars

* Brokk compared to manual demolition in the cement industry. Estimate made at a cement works in Thailand.