THE BROKK ROBOT

WE ARE ABLE TO PROVIDE FAST, HIGH QUALITY DEMOLITION WHILE MAINTAINING STRINGENT REQUIREMENTS FOR EMPLOYEE SAFETY AND ENVIRONMENTAL FRIENDLINESS. THE RIGHT EQUIPMENT FOR THIS SERVICE... THE BROKK ROBOT.

With Brokk you can meet today’s strict requirements for profitability, efficiency and safety. The unique properties of Brokk give an advantageous starting point for all types of demolition jobs. The features that most distinguish a Brokk from other types of contract machines and hand-held equipment are as follows:

**Brokk is always remote controlled.** The operator can move freely and has a perfect view of his work, either right up to the tool or at a safe distance in the case of hazardous jobs.

**The extremely small outer dimensions and low weight give Brokk tremendous power efficiency.** The machine can get into small openings and confined spaces and can start work immediately. This, in combination with a power pack makes Brokk incomparably efficient.

**Brokk is powered by electricity.** Thus, it can work indoors and in kilns without problems such as exhaust fumes or noise from combustion engines.

**Many tools increase the ability to carry out tasks of a varying nature.** This guarantees a consistently high utilization level for the machine.

The Brokk Demolition Breaker & Crusher provides the best capability for limited-access heavy demolition. This rugged unit can easily break apart structures containing up to 22” (56 cm) thick concrete walls or slabs. The machine’s 360° movement and 5 meter reach capability allows the operator to work on any surface, from wall and staircases to overhead structures. With attachments ranging from breakers and crushers to scabblers, the Brokk Demolition Breaker & Crusher is a very reliable modern-day solution for your most difficult removal jobs.

The Brokk robot is an excellent choice for:
- Debricking cement and lime kilns
- Interior demolition
- Stripping furnaces
- Plaster, brick & tile demolition
- Steel & metal works
- Breaking foundations
THE BROKK ROBOT

ROBOT 2x2:
- Fits through 22.75” round diameter opening or 21” square opening.
- We have used it in Koch grid or flexigrid removals in cokers.
- Dissolving tanks, slackers, causticisers at pulp mills.
- Can be used in any confined spaces where accessibility is tight.
- Weighs in at 2,700 lbs

ROBOT SPIDER:
- Weighs in at 4,000lbs
- Can work from 6’ to 31’ round diameter vessel

ROBOT 90:
- Weighs in at 2,368lbs
- Can reach 13’

ROBOT 150:
- This is Envirosystems’ most commonly used machine because of its reach and size
- Weighs in at 4,100lbs
- Can reach 15’

ROBOT 180:
- Weighs in at 4,740lbs
- Can reach 15’
- Extra boom design (telescopic) can reach 17’

ROBOT 250:
- Weighs in at 7,510lbs
- Can reach a height of 21’

ROBOT 330:
- Weighs in at 10,910lbs
- Can reach a height of 22’
BROKK ROBOT ON-SITE

PETROCHEMICAL SERVICES:
- Dense phase coker tear-out and removal
- Stripper shed cleaning
- Sloping baffle coke cleaning
- Anti-coking baffle coke tear-out and removal
- Dip leg cleaning and removal
- Koch or flexi-grid tear-out and removal
- Coke tear-out and removal
- Reactors, i.e. cat cracker lining tear-out and removal
- Burners
- Regenerators
- Storage tank floor cutting

CEMENT PLANT SERVICES:
- Brick tear-out and removal
- Feed shelf tear-out and removal
- Nose ring tear-out and removal
- Front arch tear-out and removal
- Burner pipe castable tear-out and removal
- Loop duct cleanout
- Clinker silo cleanout
- Lime stone silo cleanout

STEEL PLANT SERVICES:
- Over-sized turndish processing
- Slag ladle sticker removal
- Slag ladle interior service maintenance
- Ladle lining tear-out and removal
- Torpedo car ladle lining tear-out and removal
- Walking beam furnace lining tear-out and removal
- Tapping hole plugs
- Reheat furnace lining tear-out and removal
- Electric arc furnace tear-out and removal

ALUMINUM PLANT SERVICES:
- Lining tear-out and removal
- Stack base material tear-out and removal
- Furnace skull tear-out and removal
- Furnace refractory tear-out and removal
- Coke calciner kiln tear-out refractory/nosering/coke buildup & removal
- Pitch tanks - pitch and piping removal
- Pyroscrubber refractory / buildup tear-out and removal
The standard attachments for the Brokk Robot include the hammer, bucket, shears, and scabbler. With Envirosystem’s experience in the industry and expertise on the Brokk Robot, we are able to engineer and build custom attachments to suit almost any application.

Some of the custom attachments we have designed and built are water cutting attachments, specialty shearing attachments, pipe holding brackets, and pipe clamping devices.

Envirosystems has the ability to modify our current equipment, build or engineer new equipment or adapt processes to suit the specific requirements of these and other industries. This has helped us perform many “Firsts” in industrial services.

Our Envirosystems team welcomes new challenges. We have a positive track record which proves that we have consistently provided, and continue to provide, superior service to our customers.