MINT MECH SPECIALIST ENGINEERS

MINING EQUIPMENT / RCG-1000 CLAMSHELL GRAB

Clamshell grab, operated from the surface.

An electro-hydraulic clamshell grab for shaft sinking, shaft clearance and muck-out. Wet or dry.

1.8t	~1,000L	Works
PAYLOAD	GRAB CAPACITY	FULLY SUBMERGED



01 OPTIONAL GRAB CAMERA VIEW



02 CLAMSHELL WITH SACRIFICIAL TEETH

RCG-1000 / MATERIALS

Broken rock, gravel, fines and broken concrete. Specific gravity about 1.8 to 2.8.

DEPLOYMENT

Runs on our Articulated Headgear System, or on an existing headgear or winder with a suitable hoist and cable reeler.

01 / REMOTE OPERATION

Controlled from the surface.

An optional grab-mounted camera and lighting give the operator a live view of the shaft bottom.

02 / SELF-CONTAINED POWER

No hoses down the shaft.

A grab-mounted reversible electro-hydraulic power unit on a trailing cable. No accumulators or battery.

03 / TEETH

Welded, sacrificial.

Welded sacrificial teeth break up compacted and mixed material.

04 / FAIL-SAFE

Locked if power is lost.

The grab holds hydraulically locked if power is lost.

OPTIONS

Capacity, opening width and hoisted load are configured to the shaft diameter and hoist rating. The grab digs, lifts and discharges loose or compacted material in vertical shafts, wet or dry.

TECHNICAL SPECIFICATION

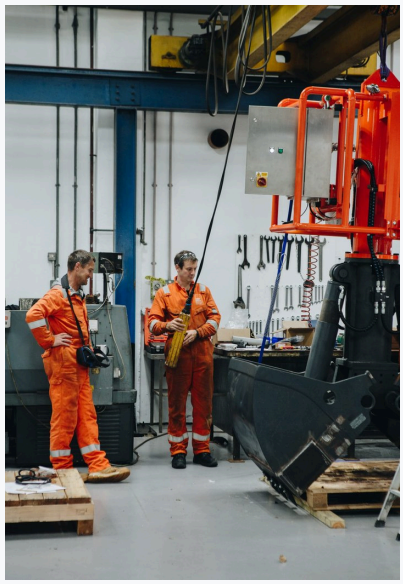
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Wet or dry, loose or compacted.

A self-contained electro-hydraulic clamshell, powered by trailing cable and controlled from the surface, with nobody at the shaft bottom.

SPECIFICATION (RCG-1000)

Grab	Clamshell, about 1,000 L capacity, about 1.8 m open width, sacrificial digging teeth
Safe working load	1.8 t payload; about 4 t hoisted including the grab
Power	Grab-mounted reversible electro-hydraulic HPU on a trailing cable; no accumulators or battery
Operation	Remote control from surface; works fully submerged; hydraulically locked on power loss
Materials	Broken rock, gravel, fines and broken concrete; specific gravity about 1.8 to 2.8
Deployment	Articulated Headgear System, or an existing headgear or winder with a suitable hoist and cable reeler
Options	Camera and lighting; other capacities and opening widths to suit the shaft



RCG-1000

Under assembly, with its control enclosure and guard frame.

USES

From sinking to sumps.

- **Shaft sinking** - mucking out broken rock between rounds.
- **Bored shafts and large holes** - spoil from vertical excavations.
- **Sumps and wet wells** - sediment and debris.
- **Shaft clearance** - gravel, rubble and broken concrete.

SUPPLY

On our headgear or yours.

- **Articulated Headgear System** - the grab runs on our own mobile headgear.
- **Existing headgear** - or a winder with a suitable hoist and cable reeler.
- **Options** - camera and lighting; other capacities and opening widths to suit the shaft.

Contact us

Send us the shaft diameter and the hoist rating.

hello@mintmech.com / +44 1326 369469 / mintmech.com
Kernick Industrial Estate, Penryn, Cornwall TR10 9EP