

2022 **BLASTHOLE DRILLING**





***Over 20 years
of design &
manufacturing
experience
in the mining
& drilling
industry***

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COMPANY OVERVIEW

Introduction

Mammoth Technologies is a design & manufacturing corporation within the mining & drilling industry, creating a dynamic presence in the international market. The Mammoth Breakout Wrench drew attention to our innovative yet uncomplicated approach to problem-solving within the global market when we first introduced it in 1999. Development and product refinement and improvement is a continuous process in the business. Our product development drive has been shaped and guided by the requirements, needs & frustrations gleaned from our clients in the global market. This has led us to develop a reasonably priced range of durable, cost-effective products in the various sectors of the mining industry. They were designed for: improving safety; simplifying operation; lowering maintenance costs.

Vision Statement

Our vision is to be a well-established brand in the mining & drilling industry, leading the way through safety, quality, service & price, driven by ethical standards and time tested values.

Mission Statement

To produce better products that are affordable, safer to use and easier to work with. Better. Affordable. Safer. Easier.

Expertise

Mammoth Technologies takes responsibility for all the phases of the process including conceptualization, market research, design, manufacturing & testing, through to distribution and service. All manufacturing (including process manufacturing) is done in-house.

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Web: www.nsimbiequipment.com

NORTHERN CAPE

Mammoth Drill Tools Northern Cape

Orbed Petrus

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Whitey Thomas

Mobile: +27 82 577 9677

Distributor/Agent

Name: _____

Mobile: _____

Email: _____

Mammoth Services

Mammoth Technologies offers a wide range of versatility in our field of expertise.

General Services

- R&D
- CAD drawings, 3D/solids, simulations and more
- Innovative solutions to relative problems
- Conceptualization
- Hydraulic Design
- Electrical Design
- Application Specific Hardware Design
- Application Specific Software Design
- Manufacturing
- Process Manufacturing
- Reverse Engineering
- Patent Searches / Patents Processing
- Specific problem solving and research
- Product marketing solutions

Innovative and Consumable Services

- Servicing and repairs of Mammoth innovative products
- Breakout benches for breaking of tight joints, due to tension build up during drilling
- Straightening and repairs of drill rods



Repairs/Services/Refurbishment

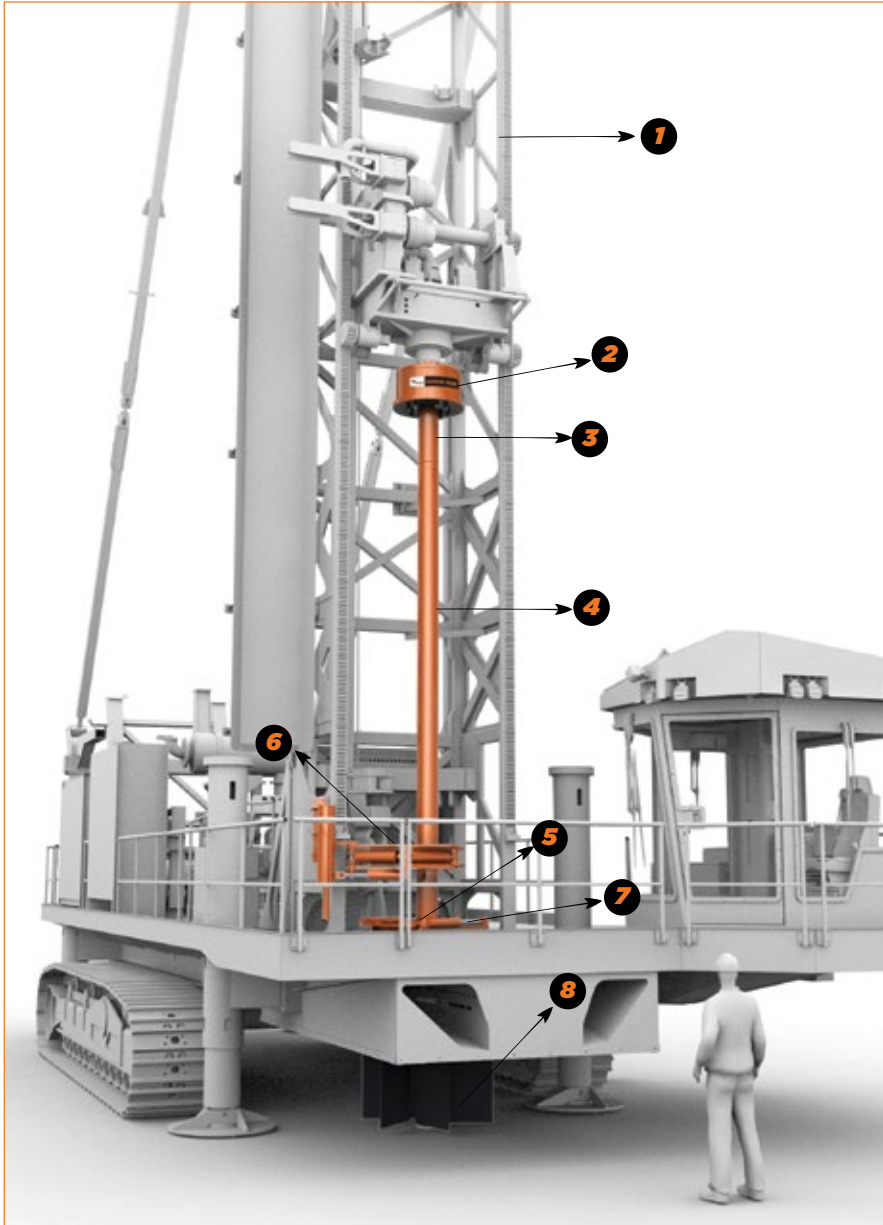
repairs@mammothtech.co.za

For all general repairs, services, and refurbishments on Mammoth products, including existing products, regardless of manufacturer or origin.

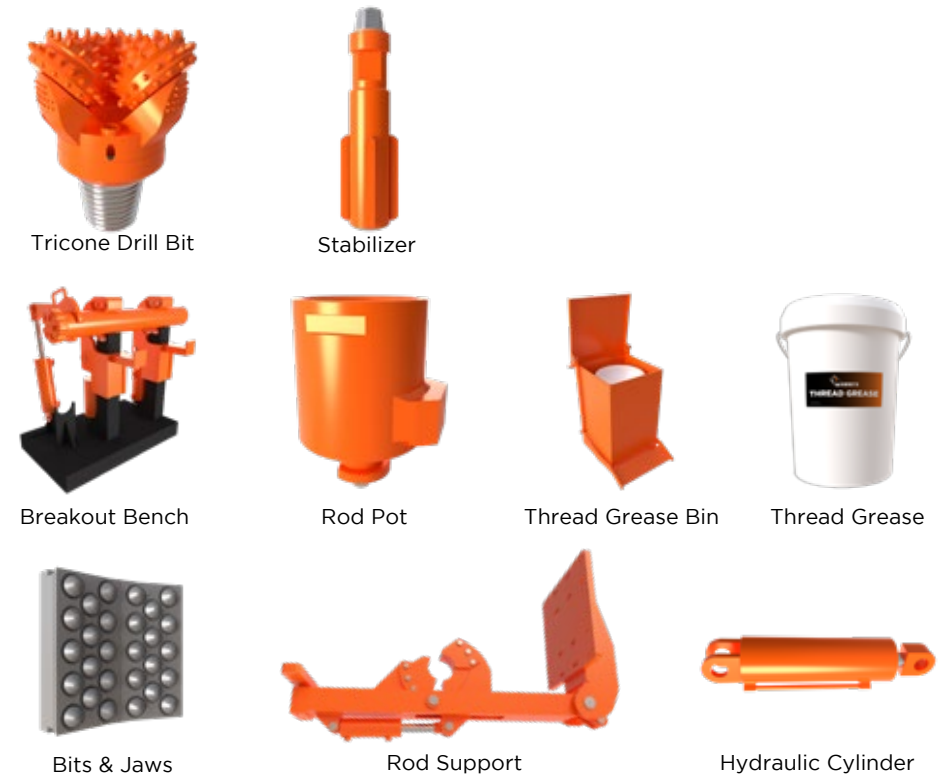
Product Quality

Because of our uncompromising commitment to safety, quality and functionality it is essential that only approved genuine parts and consumables are used on the Mammoth product range.

Product Map



Product



01

**MAMMOTH
HOLE SWEEPER**



Mammoth Hole Sweeper

Mammoth Hole sweeper is a device fitted to the undercarriage of a drill rig with the function addressing chippings ejected from a blasthole & cleaning the collar of a blasthole with no manual labour.

Mammoth Hole Sweeper is designed with rotating sweeping flaps to deflect chippings ejected from the blasthole - thus preventing them from accumulating around the collar of the hole.

Mammoth Hole Sweeper is designed to address:

- Clogging below deck on the drill rig
- Chippings re-entering the blast hole
- Time lost due to slowed penetration rates
- Wear on the drill string

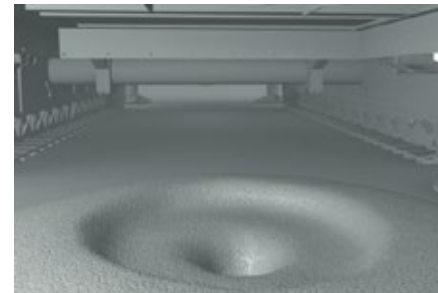
Benefits of the Mammoth Hole Sweeper

- Eliminates the necessity for manually cleaning the border of the holes
- Prevents chippings from piling up around the hole
- Increased penetration rates
- Increased bit life
- Increased drill steel life
- Increased life of the deckbush
- Decreased deck contamination



Hole Sweeper works with Flanders Automation System

Pressure Requirements: 1500-2800 PSI Range: 4.5" up to 15" Rotation: Gear drive
Power: 2 x Hydraulic Motors



Hole Without Sweeper



Hole With Sweeper

Performance Evaluation

Test Results with the Hole Sweeper fitted to PV351 Machine on Platinum Mine.

Pattern: 326-085

Rig	Holes	Penetration (m/h)
PV149	16	14.06
PV141	27	13.46
PV143 (Hole Sweeper fitted)	4	22.63
PV144	20	20.60
Total Average		16.28 (PV143 included in average)
Average		15.88 (PV143 not included)
% improvement with sweeper		42.54

Pattern: 329-043

Rig	Holes	Penetration (m/h)
PV145	37	19.19
PV141	25	21.18
PV144	5	14.23
PV143 (Hole Sweeper fitted)	85	24.46
Total Average		22.32 (PV143 included in average)
Average		19.57 (PV143 not included)
% improvement with sweeper		25.01

Pattern: 326-050

Rig	Holes	Penetration (m/h)
PV143 (Hole Sweeper fitted)	55	27.95
PV144	19	18.97
PV145	49	22.07
Total Average		23.49 (PV143 included in average)
Average		21.20 (PV143 not included)
% improvement with sweeper		31.81

It's recommended that only genuine OEM spare parts & consumables are used on the Mammoth product range, to ensure full performance and operational stability. Utilising unauthorised spare parts and consumables can result in injury and potentially void warranty claims.

Enquire for Rigs not displayed here.



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