Offers for Immediate Sale on behalf of BHBB Cross City Tunnel JV

3 x Mitsui Miike S300A Roadheaders with spares

Details	• 300 KW machines with 2 speed cutter head. • 1,000 volt machines with trailing cables up to 90 mtr capacity. • Remote operator panels fitted. • Diesel tramming engine. • FOPS Canopy & load out conveyors included. • Spares include 5 x Boom extensions, FOPS canopy & cutter shell. • Used only on the Cross City Tunnel since being refurbished in 2002. • For sale as individual units or as a package including spares.

To make an offer or book an inspection contact **Tony Newnham**
on mobile / cell phone: +61 (0)417 501 313 or email: tony@g-es.net

For FREE updates on over 40 categories of equipment visit www.g-es.net.

~~*Mitsui Miike S300A Roadheader unit # 3001*~~ – *This unit is now SOLD*

Make	Mitsui Miike	**Model**	S300A
YOM	1990	**Serial #**	3001
Hours	Hydraulic – 7,143, Cutting – 4,957.		
History	This unit was bought for the Cross City Tunnel project and had a complete overhaul in 2002 with a new diesel engine in January 2005.		
Sale options	Available for immediate sale on "as is where is basis" ex St Mary's NSW, offers will be considered for individual units or for all units as a package including spares. *This unit is now SOLD*		

Mitsui Miike S300A Roadheader unit # 3007

Make	Mitsui Miike	**Model**	S300A
YOM	1995	**Serial #**	3007
Hours	Hydraulic pack – 4,616, Cutting – 3,248.		
History	This unit was bought for the Cross City Tunnel project and had a complete overhaul in 2002.		
Sale options	Available for immediate sale on "as is where is basis" ex St Mary's NSW, offers will be considered for individual units or for all units as a package including spares.		

Mitsui Miike S300A Roadheader unit # 3009

Make	Mitsui Miike	**Model**	S300A
YOM	1996	**Serial #**	3001
Hours	Hydraulic pack – 7,992, Cutting – 5,639.		
History	This unit was bought for the Cross City Tunnel project and had a complete overhaul in 2002.		
Sale options	Available for immediate sale on "as is where is basis" ex St Mary's NSW, offers will be considered for individual units or for all units as a package including spares.		

Mitsui Miike S300A Roadheader - Spare cutter shell

Mitsui Miike S300A Roadheaders – inspection photos

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PO Box 570, Floreat, 6014. Western Australia
A.B.N 28 593 584 022

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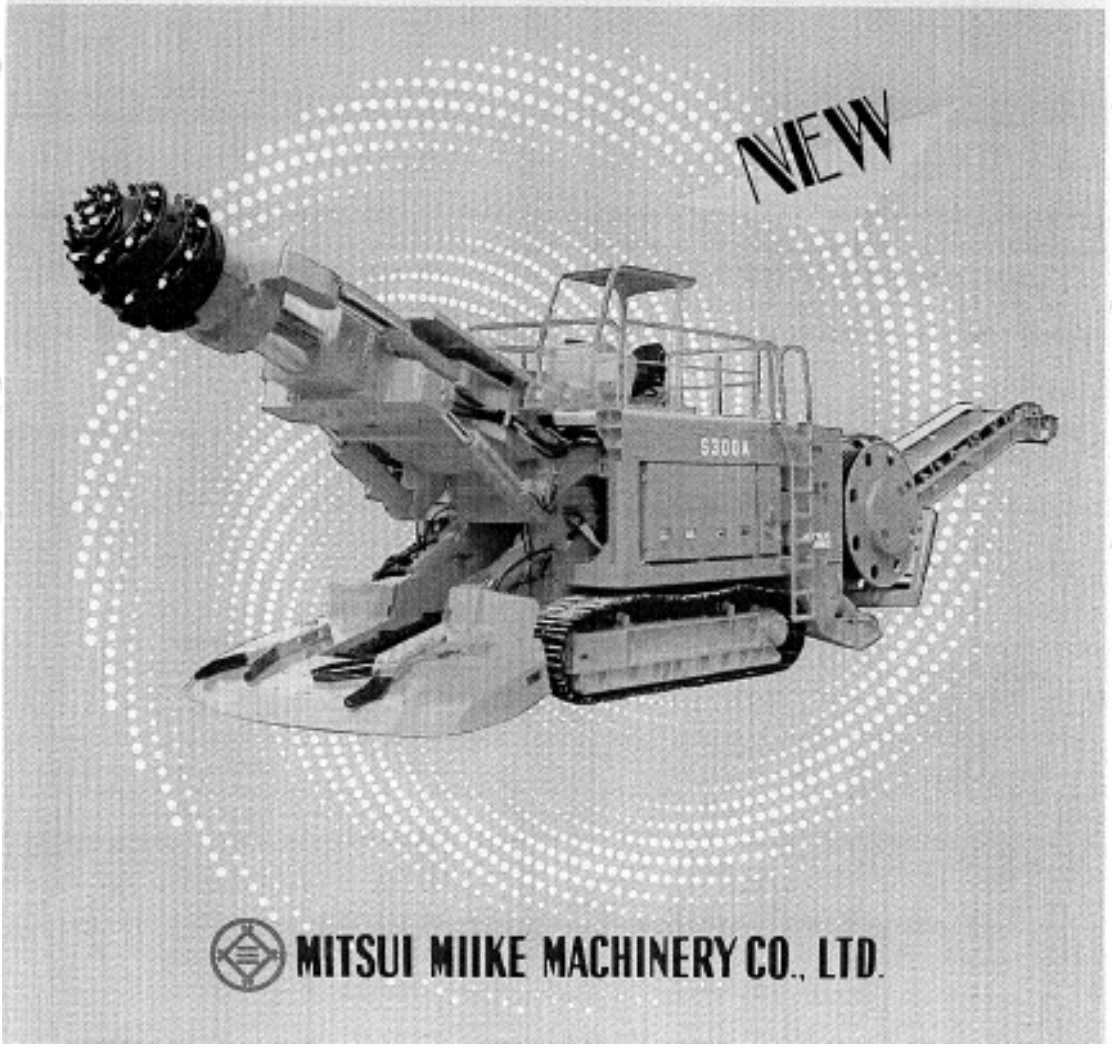
Mitsui Miike S300 Roadheader – OEM Data sheets

MITSUI MIIKE

S300

SUPER ROAD HEADER

For Medium-Hard Rock & Large Cross-Section



MITSUI MIIKE MACHINERY CO., LTD.

SUPERPOWERFUL TUNNEL EXCAVATION

- S-300 Road Header is a world's largest-class tunneling machine developed for excavation of a wide range of soft to medium-hard rocks. It is applicable to every kind of tunneling including railroads, roads, mining, waterworks, sewerage systems, and others.
- Drawing from Mitsui's abundant experience in road headers, innovative technology has been fully incorporated to provide a highly durable machine with powerful cutting capacity. This road header is capable of excavating hard rock up to 1300 kg/cm^2 compressive strength, and has proved to be sufficient under a wide scope of geological conditions, performing safe, efficient tunneling.

S300

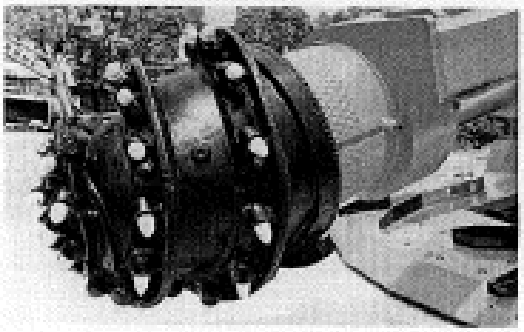
FEATURES

1. Adopted is a world's largest-class 300kW, 2-speed pole-change motor that offers powerful cutting.
2. Maximum cutting height is 6.5m, enabling application to large-cross-sectional tunnel excavation for highways and for Shinkansen (Rail ways).
3. Large round-type picks for hard rocks are employed. Pick cooling and dust dispersion prevention are achieved by spraying high-pressure water around the pick front edge.
4. The power control system automatically adjusts cutting drum transfer speed, preventing cutting motor overload and ensuring continuous cutting.
5. Using a remote control unit, the road header can be operated at a distance from the operator's seat.
6. The large cable reel can wind up to 90m of cable to facilitate cable handling.
7. For long-distance transfer, travel by diesel engine is possible, requiring no electric power supply (optional specification).
8. Automatic centralized lubrication system saves grease-up time.

STRUCTURE

1 Cutting Drum

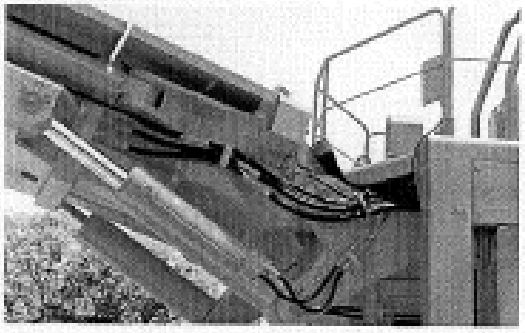
Round-type picks for hard rocks are spirally mounted on the drum to enable effective cutting. Jet water (200kg/cm²) is sprayed around the pick edges from the nozzles on the drum body to prevent temperature rise of the picks and to reduce dust dispersion.



2 Cutting Mechanism

This mechanism is composed of a 2-speed, water-cooled motor with the greatest power capacity among other Japanese machines (300kW/150kW), a planetary reduction gear, and an extension section.

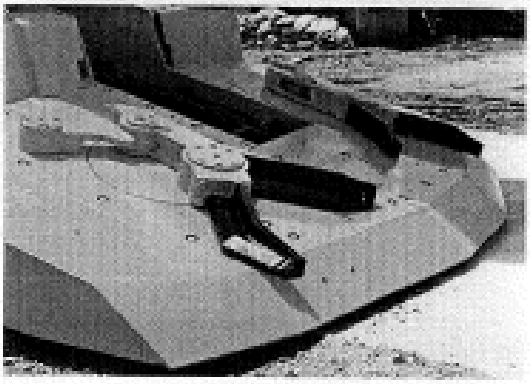
The extension cylinder, provided on the upper left-hand side, incorporates a design that minimizes mutual interference between the extension section and the support steel. A large extension stroke of 700mm reduces the operation frequency of the crawler, and prevents the floor from being damaged.



3 Gathering/Conveyor Section

Two gathering arms driven by hydraulic motors rotate to load rocks onto the conveyor. Relief valves are inserted in the hydraulic circuits to prevent overload damage when large rocks become jammed between arms. This section adopts a structure of stabilizing the machine by pressing the gathering plate against the floor while cutting.

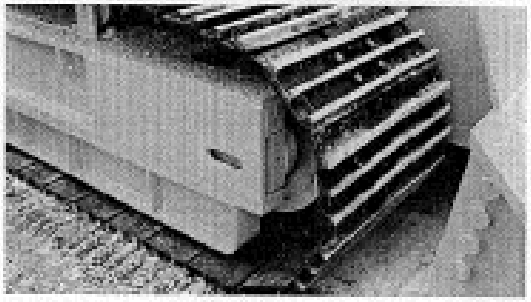
A center chain conveyor is used, driven by a hydraulic motor. A swing-type No. 2 conveyor (belt-driven) is provided on the rear side of the machine to facilitate loading onto rear-end transfer systems. Direct loading onto a dump truck is possible from the No. 2 conveyor.



4 Crawler Section

Right and left crawlers are separately driven by hydraulic motors via planetary reduction gear. The hydraulic motors contain wet multiple-plate-type brakes that automatically engage when the road header is brought to a standstill.

Tension of the crawler linkage is altered by simple hydraulic valve adjustment. Internal coil springs effectively absorb shocks.



5 Outrigger

An outrigger is attached to provide cutting stability. It can also be used to raise the machine during crawler inspection.

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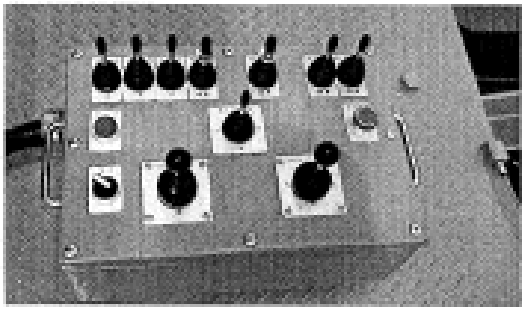
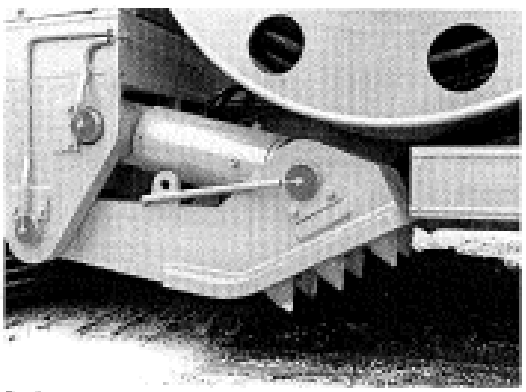
Operator Station & Hydraulic Section

The operator's seat is located in the center of the machine so that the cutting drum can be viewed throughout the entire excavation cycle. The control lever of the drum, electric joystick type, permits light, smooth operation. The remote control system, which enables operation at a distance from the operator's seat, can be easily added.

Adoption of a variable-capacity piston pump remarkably reduces power loss and oil temperature rise, contributing to extending the service lives of hydraulic oil devices and enhancing energy conservation.





Outrigger

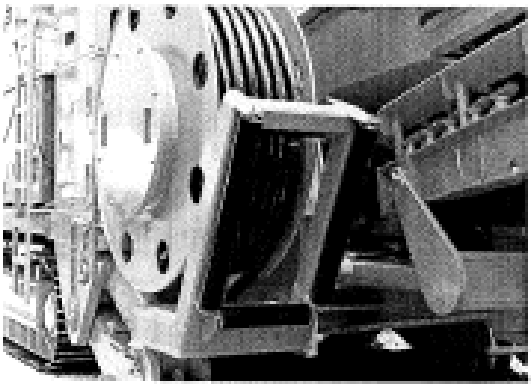
Electrical Units

The electric control box, provided on the left-hand side of the machine, houses a voltmeter, trouble display lamps, and other instruments.

The power control system adopted detects current flowing through the motor used for cutting and automatically controls drum transfer speed according to cutting loads. This control system not only immensely improves controllability, but also remarkably upgrades cutting efficiency.

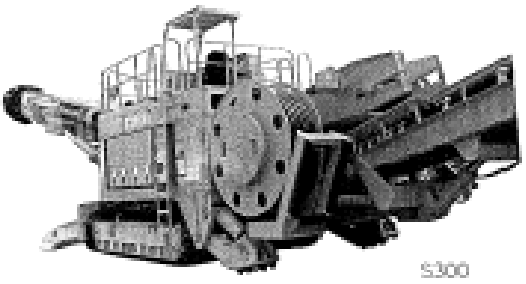
Cable Reel

A cable reel, which can wind up to approximately 90m of power supply cable is provided on the rear left-hand side of the machine to facilitate cable handling.



Diesel Engine (Optional)

For long-distance transfer, traveling is possible by diesel engine driving without requiring any auxiliary power supply, offering excellent mobility.



S300

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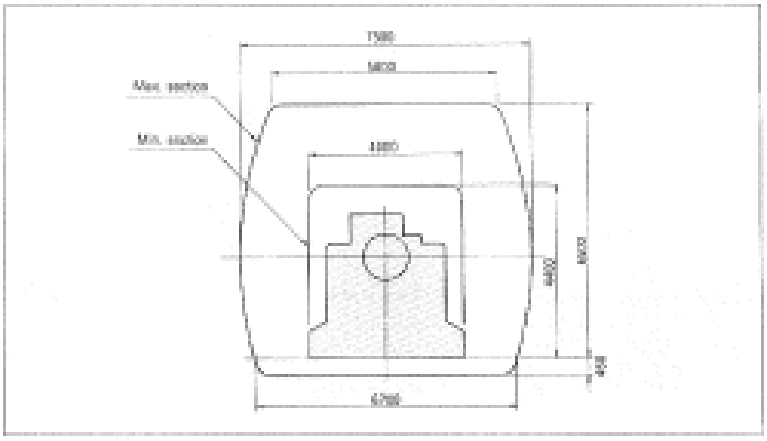
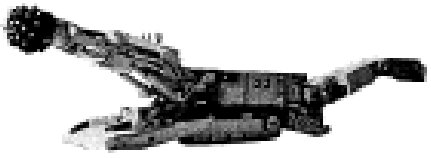
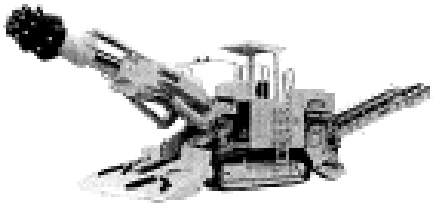
S300 ROAD HEADER

Cutting Dimensions





S65 ROAD HEADER



S200 ROAD HEADER

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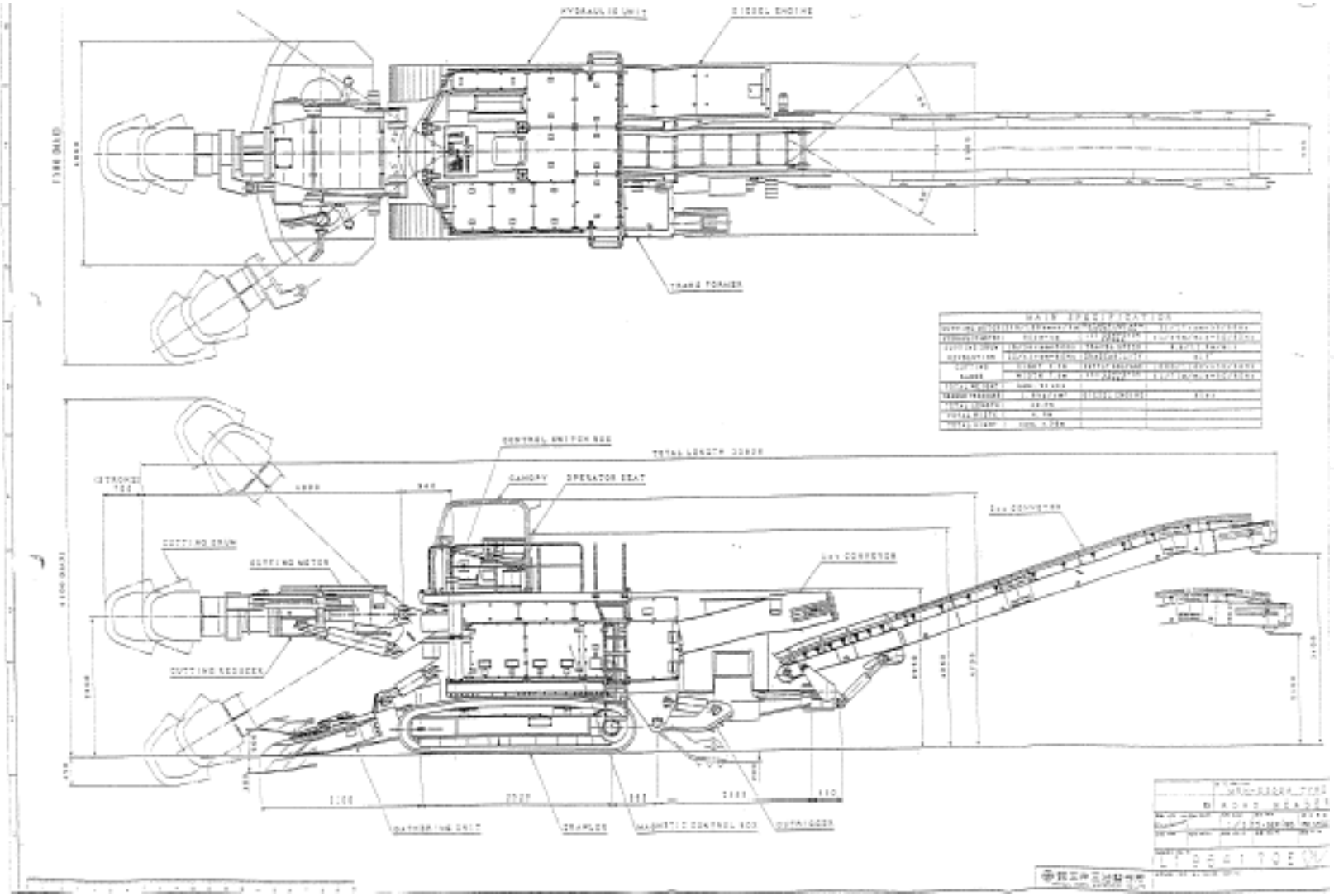
TELEX: J24529 MMMCO PHONE: TOKYO (03)3270-2006
CABLE ADDRESS: MIIKESEISAKU TOKYO


HYDRAULIC UNIT
DIESEL ENGINE
TRANSFORMER
CONTROL SWITCH BOX
TOTAL LENGTH 12000
CANOPY
OPERATOR SEAT
CUTTING DRUM
CUTTING MOTOR
CUTTING REDUCER
Gas CONVERTER
GATHERING UNIT
CRAWLER
MAGNETIC CONTROL BOX
SUPPLIERS