



LS QUARRY

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Onsite Crushing & Screening

Company Profile, Products & Services



Lima South Quarry Pty Ltd

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Benefit From Our Experience

Ideally located in North East Victoria between Mansfield and Benalla, Lima South Quarry is a family owned and operated business employing a flexible team of people to produce and deliver high quality crushed rock to our customers.

Those customers include local and state government for road construction and maintenance as well as private construction companies building roads on their behalf.

Whereas our onsite crushing and screening service customers vary from; winning crushing and screening rock for Local Government and Private Quarry operators to Crushing and Screening of recycled concrete for both Local Government and private refuse centres.

In addition to this we are very experienced at crushing and screening recycled asphalt working in with companies such as Boral Asphalt to help them recycle product for reuse in road construction.

Onsite Crushing & Screening Services

Lima South Quarry has invested heavily in state of the art high production mobile equipment to assist our customers in having consistent high quality usable/saleable product on the ground in the shortest possible time.

Services available include:

- Drilling & Blasting to win rock
- Ripping and pushing up to win rock
- Crushing & Screening:
Rock, Recycled Concrete, Recycled Asphalt
- Stockpiling of crushed rock and recycled products

Why choose Lima South Quarry for Mobile Crushing and Screening

As quarry owner operators ourselves we understand the need to produce high quality consistent products that meet specification criteria for use in the road and construction industries.

We bring to the table not only modern plant and equipment that helps reduce the overall cost to you and increase profitability through having product on the ground quicker, we also bring years of experience to help you get the job done on time and in full.

Safety, Health and Environment Policy

Lima South Quarry Pty Ltd's senior management are firmly committed to the pursuit of product quality, customer satisfaction, regulatory compliance and continuous improvement whilst ensuring that all workers, contractors and visitors are safe from risks to health while they are at workplaces under the organisations control with no adverse impact on the environment.

The development, implementation and maintenance of Quality, WH&S and Environmental policy documents, procedures and training at all levels, will enable this commitment to be met.

Lima South Quarry have implemented an Integrated Management System (IMS) covering the three Core Standards of Quality, Work Health and Safety and Environmental Management.

- Quality - AS/NZS ISO 9001:2008 (Quality Management Systems - Requirements)
- Work Health & Safety - AS 4801: 2001 (Occupational Health and Safety Management Systems Specifications & Guidance for Use), the new National Work Health & Safety Act and State OH&S Act & Regulation and the (NSW) Mine Health & Safety Act 2004 & (NSW) Mine Health & Safety Regulation 2007 requirements.
- Environmental Management - AS/NZS ISO 14001:2004 (Environmental Management Systems - Specifications with Guidance for Use) the relevant EPA requirements.

The system manuals are structured around the necessary policies, procedures, Safe Work Method Statements, Safe Work Procedures, Mine Safety Management Plans and Forms that are required to be implemented to meet International & Australian Standards, Industry Standards and industry best practice.

Experience & Training

The management at Lima South Quarry have extensive experience in quarry management and operations, holding certification as a qualified Quarry Manager under the Extractive Industries Development Act 1995 .

Our employees hold current machinery operators tickets as well as Level 2 first aid certification.

Plant Safety

Our modern equipment has the most recent guarding and safety protection fitted. Our modern equipment also ensures that noise levels are maintained at below industry standards.

Hazard identification and risk assessment reports are undertaken on our plant, and are available for review at any time. Safe work procedures have also been developed for the key operations, that have been identified through the hazard identification and risk assessment process.

Site Control Measures

When working on any new site, LSQ has a procedure for assessing risks on the site, and putting in place appropriate controls to eliminate or manage the risks. These may include signage and barriers to restrict access to an area, and notification of risks and appropriate precautions required on the site. All requirements and procedures developed and used by your organisation will be strictly followed, or exceeded.

Incident Reporting

We have a detailed procedure in place for injury and incident reporting. We recognise that reporting all incidents and acting upon them is the key to preventing injury in the workplace.

Our Commitment to you

LSQ provides a commitment to maintain the safety & health of all people on our work sites as our number one priority.



Crushing Plant

The Powerscreen® Pegson XR400S

Set-up Time:	30 minutes
Area Crusher Takes up:	64.5 m ²
Maximum Feed Size:	600-700mm
Production Rates:	up to 400 tph

Features & Benefits

- High output and excellent reduction capability
- Hydraulic folding feed hopper with boltless fixing system
- Excellent under crusher access with a hydraulic tilting conveyor system
- Economical to operate with a highly fuel efficient direct drive system
- Forceful crushing action with high swing jaw
- Height adjustable product conveyor
- Extended hopper – hydraulically folding

Overview

The Powerscreen® Pegson X400S range of high performance primary jaw crushing plants are designed for operators in quarrying, demolition, recycling and mining applications. Lima South Quarry has a Pegson XR400S with hydraulic release.

User benefits include track mobility for a quick set-up time (typically under 30 minutes,) hydraulic crusher setting adjustment for total control of product size and crusher overload protection to prevent damage by uncrushable objects.



Crushing Plant

Powerscreen® Pegson 1300 Maxtrak

Set-up Time:	30 minutes
Area Crusher Takes up:	43 m ²
Maximum Feed Size:	100mm
Production Rates:	up to 350 tph

Features & Benefits

- Renowned Automax® crusher technology
- Excellent product shape
- High reduction ratio
- Cone feed box level control to maintain choke feeding
- Hydraulic crusher setting
- Cone overload protection
- Heavy duty chassis and track frame
- Metal detector
- Dust suppression system
- economical to operate with a highly fuel efficient direct drive system

Overview

The Powerscreen® Pegson 1300 Maxtrak is a medium to large sized track mobile cone crusher which is ideally suited to secondary applications such as taking an all in feed from a primary crusher.

Based around the 1300 Automax® cone crusher, the plant excels in the production of sub-base or aggregates, providing excellent cubicity, throughput and reduction ratios.



Crushing Plant

Striker 1112 HDT Track Impactor

Set-up Time:	30 minutes
Area Screen Takes up:	40 m ²
Maximum Feed Size:	500 mm
Production Rates:	up to 300 tph

Features

A side conveyor for screening out dirt is fitted, and a pre-crusher grizzly for oversize. When producing 100mm and 40mm minus, there is usually only 5% oversize, and it is generally only 10mm oversize. This can eliminate the need for the screening plant, improving the cost effectiveness significantly.



Screening Plant

Finlay Supertrak 683

Set-up Time:	45 minutes
Area Screen Takes up:	50 m ²
Number of Decks:	2

Features

1050mm wide variable speed belt feeder, with a 7m³ hopper. Catwalk around the screen with handrails, kickboards and access ladder. 4 emergency stops.

The screening plant can also be used on it's own. A grizzly can be attached to the screening plant, allowing rock over 100mm to be screened out. This larger rock may then be used in alternative applications such as erosion control, or beaching etc.



Screening Plant

Powerscreen® Chieftain 2100X

Set-up Time: 30 minutes
 Area Screen Takes up: 50 m²

Features & Benefits

- 2 or 3 deck
- Radio controlled tipping grid
- Integrated high capacity variable speed belt feeder
- Oil bath lubricated 2 bearing screenboxes
- Hydraulic screen angle adjustment
- Hydraulic screen tensioning
- Screen walkway and access ladder
- Hydraulic folding conveyors with excellent stockpiling capacity
- Engine protection shutdown system

Overview

The Powerscreen® Chieftain 2100X is designed for medium to large scale operators who require large volumes of high specification products. The Chieftain 2100X is the largest model to feature a high capacity hopper, belt feeder and radio controlled tipping grid.

Key features include a patented hydraulically folding recirculating conveyor on the 3 deck version eliminating the need for a crane on site and a 2 bearing screen with adjustable screen amplitude and hydraulic screen angle adjustment.

User benefits include a quick set-up time (typically under 30 minutes) with hydraulically folding conveyors and track mobility, class leading stockpile discharge heights and a drop down tail conveyor to aid screen media changes.

Other Equipment

Trucks

A key part of the service we offer is the ability to not only produce the product but deliver it as well. We have our own trucks and a close network of reliable sub-contractors to allow us to scale the job to suit you. The choice to utilise sub-contractors for the larger jobs means we do not have to carry the capital cost during the smaller operations, and can keep our rates consistently low. Our network of trucks have experience in a wide range of operation types, from highway work to steep grade bush road construction.

The choice between Truck and trailer, or truck only is of course always available.

4 x Mack Ridged Tipper - 10m² Basaloid body
 - Trailer 12m³ Basaloid body

Cartage Rates:

Cartage rates will be influenced by a range of factors such as:

The lead length

The road surface – gravel type/ sealed

The road grade

Use of a truck and trailer, or truck only

The type of product carted

Fuel makes up a significant proportion of the cartage cost. Rates will be indexed according to an agreed benchmark fuel price.

Loader

Caterpillar 980
 Caterpillar 972

Dozer

Caterpillar D7
 Caterpillar D9

Excavator

Caterpillar 329D.
 Caterpillar 336DL

Articulated Dump Trucks

Volvo 25 tonne x 2
 Volvo 35 tonne x 2

Operation of the Crushing and Screening Plant

Production

The high production rates of our equipment, allows significant quantities of product to be produced in relatively short periods of time. The production rates will also depend on the nature of the product to be fed into the crusher. The more effective the blast/ or ripping operation has been, the higher the production rates we can deliver.

Product Characteristics

The product produced from our range of crushers is perfectly suited to the construction of road surfaces to be travelled by tired vehicles.

Products Capable of being produced

100mm Minus	60-100mm Aggregates
80mm Minus	40-60mm Aggregates
60mm Minus	20-40mm Aggregates
40mm Minus	14-20mm Aggregates
30mm Minus	10-14mm Aggregates
20mm Minus	7-10mm Aggregates
14mm Minus	
10mm Minus	
7mm Minus	

These are only a list of commonly requested products. We will tailor the products produced to fit the needs of your operation.

This can occur through use of different screens, alternative crushing equipment if required, or mixing of products following crushing and screening.

Measurement

There are a range of options relating to measurement, with certified scales on the loaders and crusher or the option of using accredited quantity surveyors. We are happy to work in with our clients to agree an approach to accurate measurement that best suits their situation.

Reliability

In the past, crushing equipment has tended to be quite old and subject to inconsistent production and unreliability. Our modern crushing plant and screening equipment has proven reliability and consistency of product quality and quantity for our customers. The ability to rely on its productivity allows us to provide greater flexibility and responsiveness to your requirements.

Site Set-up

The way the rock is presented for crushing can have a significant impact on the efficiency of the operation. If you will be undertaking this aspect of the operation, we will be happy to discuss how the rock can best be presented to maximise efficiency of crushing and therefore minimise cost.

Set-up Area

A great characteristic of our plant is the incredibly small area required to set-up the equipment. For instance the Impact Crusher and screening plant together take up only 90m². This factor allows us to work in pits that are small, and also in larger pits that do not have the room, due to benches, and or stockpiles. This also allows us to generate and store larger stockpiles of rock, than is possible with fixed type or physically larger operations.

Set-up Time

The ability to set-up the crushing and screening plant in less than a couple of hours, means we can be more responsive to your needs and requirements on shorter notice. This also contributes to our ability to provide you with such a competitive rate.

Size of the Crushing Job

The productivity and manoeuvrability of our equipment makes smaller jobs possible and cost effective. We will consider jobs of all sizes and offer great savings for larger volumes.

Product examples

20 mm Class 4



20 mm Class 3



40 mm Crushed Rock



100 mm Crushed Rock



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