

Mobileplant comparison

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Workshop 2

Mobile crushing

How can we together improve your productivity & profitability?

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Mobile crushing - advantages

- **Minimum ground preparation is needed.**
As the unit is self supporting and on tracks.
- **Production can start emidiately**
As the unit is self supporting and ready made on board process. No need for construction work.
- **Can work at blasting point.**
Emmidiate production with less transport.
- **Not subject to local permissions.**
- **Many process alternatives**
Different units can be combined and interlocked for different process alternatives to cover alterations in market demand



- **Multi-site capability** Easy process change onboard the unit.
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Mobile crushing - advantages

- **Units do not have to be in train**
Can be moved around between different sites, material is stocked while waiting for further Process.
- **Can be used to boost production.**
Especially in fixed installations.
- **Lower transport cost**
Close to building and blasting point. Material is transported on regular trucks.
- **Lowest labour cost.**
High on board intelligence level.
- **High second hand value.**
Unit is complete with process and everything



Trend

Mobile Plant

Different Types

- **Crawler Mounted Units**
 - Self-supporting
 - Easy to move in pit
 - Fast set up & close down.
 - Compact



Mobile Plant

Different Types

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- **Wheel Mounted Units**
 - Onboard process alternatives
 - External electrical power
 - Need truck to move
 - Moved much less frequently



Mobile units

Ownership and Operating Costs.

Factors influencing profitability (Mobile unit).

- Price less second hand value
- Annual working hours
- Utilization [%]
- Start up cost (Need for preparation)
- Fuel consumption
- Energy consumption
- No, of operators
- Maintenance cost
- Wear-and spare part costs.
- End product specification
- Transport cost
- Lifetime

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Be Fuel efficient

- **Maximize the utilization (best capacity)**

- ✓ Optimize the blast.
- ✓ Remove bolders.
- ✓ Use correct bucket size and keep even feed.

- **Minimize fuel consumption and down time on unit.**

- ✓ Choose unit with fuel effective diesel engine power pack.
- ✓ (Diesel) Electric equipment. (Bonus: reduced noise level)
- ✓ High onboard intelligence – ensures trouble free operation and maximized capacity.
- ✓ High quality spare- and wear parts.

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Customers Expectations

■ Productivity

- High Capacity.
- Versatility in applications.
- Top quality of rock end product.
- Availability, up-time.

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Customers Expectations

- **Productivity**
- **Lowest cost in tons production**
 - Return on investment
 - Equipment life time
 - Low energy consumption
 - Maximum output from compete fleet

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Customers Expectations

- **Productivity**
- **Lowest cost in tons production**
- **Support through-out machine life time**
 - Operational advise through process knowledge
 - Training of operators
 - Service and troubleshooting
 - Spares
 - Quality of our equipment

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Customers Expectations

- **Productivity**
- **Lowest cost in tons production**
- **Support through-out machine life time**
- **Environment, Health and Safety (EHS)**
 - Highest safety standard in all markets.
 - Low energy consumption
 - Low emission in dust, noise and gases.
 - No oil or diesel spillage.

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Customers Expectations

- Productivity
- Lowest cost in tons production
- Support through-out machine life time
- Environment, Health and Safety (EHS)

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