



## Lokotrack LT110 and LT3054 Mobile Jaw Plants





## Lokotrack LT110 and LT3054 - the new generation Lokotracks

Combining over 20 years of experience with the original Lokotrack mobile crushing concept, Metso Minerals is now launching an entirely new generation of mobile primary jaw plants.

The Lokotrack LT110 and LT3054 combine constant high crushing capacity, a broad range of process options and excellent operator-friendliness with the newest dust and noise reduction options.

LT110 and LT3054 are ideal machines for both high capacity contracting jobs due to the low transport height, which enables easy transport on a standard trailer, and for most demanding quarrying and in-pit crushing applications. With the proven C Series jaw crushers, trouble free processing of recycled materials containing rebar is well possible.

With a capacity range of up to 700 mtph (770 stph), easy transport and quick set-up, Lokotrack LT110 and LT3054 provide an excellent choice as the primary unit for any single or multi stage crushing process.

### Powerful C110 and C3054 jaw crushers

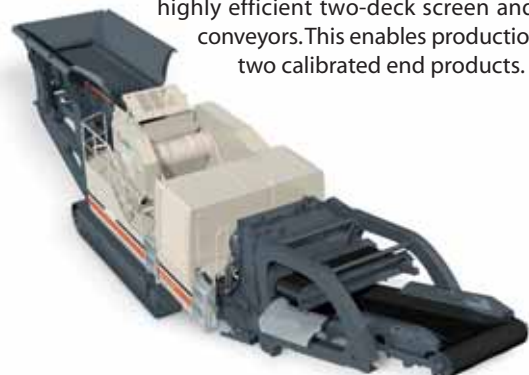
The new generation Lokotracks are built around the powerful Nordberg C Series jaw crushers, which can crush even the hardest rock types as basalt as well as all rock-based recycled materials. The proven C Series enjoy over 30 years' field- proven experience.

The C Series jaw crushers have unique non welded, pinned and bolted design and characteristics enabling them to crush even the hardest rock at a small, closed side setting at high capacity.

### Three feeder arrangements and a two deck screen available

To meet your precise application requirements, the Lokotrack LT110 and LT3054 can be equipped with a high-capacity grizzly feeder, a pan feeder – scalper combination, or a pan feeder – roller grizzly combination, capable of handling the most sticky materials.

The LT110 and LT3054 can be equipped with the optional, highly efficient two-deck screen and product conveyors. This enables production of up to two calibrated end products.



## Lokotrack LT110 and LT3054



### Technical Specifications

Lokotrack LT110	Lokotrack LT3054
<p><b>Nordberg C110 jaw crusher</b></p> <ul style="list-style-type: none"> <li>- Feed opening: 1 100x850 mm (44" x 34")</li> <li>- Setting range (quarrying): 70-170 mm (2 2/3" - 7")</li> </ul>	<p><b>Nordberg C3054 jaw crusher</b></p> <ul style="list-style-type: none"> <li>- Feed opening: 1 375x760 mm (54" x 30")</li> <li>- Setting range (quarrying): 70-170 mm (2 2/3" - 7")</li> </ul>
<p><b>Feed hopper</b></p> <ul style="list-style-type: none"> <li>- Volume: 7 m<sup>3</sup> (9 yd<sup>3</sup>)</li> <li>- Width: 2 750 mm (108")</li> </ul>	<p><b>Feed hopper</b></p> <ul style="list-style-type: none"> <li>- Volume: 7 m<sup>3</sup> (9 yd<sup>3</sup>)</li> <li>- Width: 2 750 mm (108")</li> </ul>
<p><b>VF544-2V grizzly feeder</b></p> <ul style="list-style-type: none"> <li>- Length: 4 400 mm (14' 1/2")</li> <li>- Width: 1 300 mm (51")</li> </ul>	<p><b>VF544-2V grizzly feeder</b></p> <ul style="list-style-type: none"> <li>- Length: 4 400 mm (14' 1/2")</li> <li>- Width: 1 300 mm (51")</li> </ul>
<p><b>Main discharge conveyor H14-12</b></p> <ul style="list-style-type: none"> <li>- Belt width: 1 400 mm (55")</li> <li>- Discharge height: 3 500 mm (11' 6")</li> </ul>	<p><b>Main discharge conveyor H14-12</b></p> <ul style="list-style-type: none"> <li>- Belt width: 1 400 mm (55")</li> <li>- Discharge height: 3 500 mm (11' 6")</li> </ul>
<p><b>Side conveyor H8-10</b></p> <ul style="list-style-type: none"> <li>- Belt width: 800 mm (32")</li> <li>- Discharge height: 3.65 m (11' 12")</li> </ul>	<p><b>Side conveyor H8-10</b></p> <ul style="list-style-type: none"> <li>- Belt width: 800 mm (32")</li> <li>- Discharge height: 3.65 m (11' 12")</li> </ul>
<p><b>Engine</b></p> <ul style="list-style-type: none"> <li>- Caterpillar C-13</li> <li>- Power: 310 kW (415 hp)</li> <li>- Tier 3 approved</li> <li>- Crusher driven directly</li> <li>- Other drives hydraulic</li> </ul>	<p><b>Engine</b></p> <ul style="list-style-type: none"> <li>- Caterpillar C-13</li> <li>- Power: 310 kW (415 hp)</li> <li>- Tier 3 approved</li> <li>- Crusher driven directly</li> <li>- Other drives hydraulic</li> </ul>
<p><b>Transport Dimensions (standard unit)</b></p> <ul style="list-style-type: none"> <li>Length: 17 400 mm (57')</li> <li>Width: 3 500 mm (11' 6")</li> <li>Height: 3 800 mm (12' 6")</li> <li>Weight: 66 000 kg (145 500 lbs.)</li> </ul>	<p><b>Transport dimensions (standard unit)</b></p> <ul style="list-style-type: none"> <li>Length: 17 400 mm (57')</li> <li>Width: 3 500 mm (11' 6")</li> <li>Height: 3 800 mm (12' 6")</li> <li>Weight: 66 000 kg (145 500 lbs.)</li> </ul>



### Heavy duty feed hopper

- ✓ Hydraulic folding and locking of the hopper walls ensures safe set-up
- ✓ Standard hopper suitable for excavator loading
- ✓ Optional feed hopper extensions enable loading by wheel loader
- ✓ Optional rubber lining available, for reduced wear and noise level



### Grizzly feeder

- ✓ Grizzly feeder feed rate can be adjusted through IC700 control system
- ✓ Vibrating grizzly is operated at large stroke to ensure efficient scalping
- ✓ Second deck screen mesh enables precise separation of the fines
- ✓ Highly reliable Metso Minerals MV type machinery ensures high availability
- ✓ Numerous options available for grizzly type and spacing



### Pan feeder and vibrating grizzly

- ✓ Pan feeder feed rate can be adjusted through IC700 control system
- ✓ Vibrating grizzly is operated at max. rpm and large stroke to ensure efficient scalping
- ✓ Second deck screen mesh enables precise separation of the fines
- ✓ Highly reliable Metso Minerals MV type machinery ensures high availability
- ✓ Numerous options available for grizzly type and spacing



### Pan feeder and roller grizzly

- ✓ Optional roller grizzly enables efficient separation of waste even with viscous feed material
- ✓ The greased-for-life chain drives operate in a dust-sealed enclosure
- ✓ Grizzly spacing is changeable
- ✓ The scalplings conveyor below the grizzly can be moved hydraulically, discharging either onto the side conveyor or main conveyor

### Side conveyor

- ✓ Side conveyor H6.5-8
  - Hydraulic folding
  - Transported with Lokotrack
- ✓ Side conveyor H8-10
  - Transported separately
  - Increased discharge capacity and stockpile volume

## Jaw crusher C110 and C3054

- ✓ High performance jaw crushers are of proven Metso Minerals quality
- ✓ Quick and easy setting adjustment using hydraulic setting adjustment



## Main discharge conveyor

- ✓ Wide belt ensures high discharge capacity
- ✓ Discharge height is hydraulically adjustable
- ✓ Tail end is lifted hydraulically for moving and lowered for operation
- ✓ Extended conveyor is available as an option for increased stock pile height
- ✓ World's No.1 Trellex belt conveyor components are used



## Tracks

- ✓ Tracks are dimensioned to provide well balanced operation regardless of machine configuration
- ✓ Oversized track drive provides high mobility on any terrain
- ✓ The best quality track components are used



## Power transmission

- ✓ Tried and tested gear transmission specially designed for Lokotrack use
- ✓ Direct crusher drive provides best possible power efficiency
- ✓ Two hydraulic pumps for hydraulic drives
- ✓ AC generator available as option
- ✓ Optional heating for lubrication oil





### Intelligent control system IC700

- ✓ Easy to use - all information on one screen
- ✓ Single button process start
- ✓ Automatic process control
- ✓ Built-in fault diagnostics
- ✓ Override option for service use



### Easy to use - easy to maintain

- ✓ Lokotrack is equipped with informative signs and manuals
- ✓ All service points are easy to access
- ✓ The grease points are equipped with grease hoses, for easy access
- ✓ A service platform is located below the vibrating grizzly for screen mesh replacement



### High operator's safety

- ✓ The machine design has passed detailed safety audits, and been proven in practice
- ✓ Belt drives and belt conveyor nip points are well protected
- ✓ Service platforms and steps are of highly safe design
- ✓ IC700 control system incorporates features which protect both operator and machine
- ✓ Emergency stops and conveyor safety lines are well positioned



### Excellent environment friendliness

- ✓ Engine fulfils EC stage IIIA / EPA Tier 3 emission regulations
- ✓ Low fuel consumption per ton produced - due to highly efficient power transmission
- ✓ Several noise reducing solutions
- ✓ Leak-free hydraulic system
- ✓ Collection sumps for hydraulic maintenance
- ✓ Options available
  - Dust encapsulation
  - Water spraying system
  - Dust collector
  - Noise reduction package

## Excellent reliability

- ✓ The design is based on over 20 years of experience based on more than 3,000 global Lokotrack references
- ✓ Crushers, feeders and belt conveyors boast Metso Minerals' world-renowned quality
- ✓ Only high quality components are used
- ✓ Global Metso Minerals life cycle services are locally available
  - First class application and service support
  - Excellent spare parts availability



## Easy transport

- ✓ Minimum amount of dismantling required
- ✓ Hydraulic folding of feed hopper side walls minimize set-up time
- ✓ Transportable on a standard trailer
- ✓ Option of transport bogie and king pin for truck
  - Lower moving costs
  - Reduced transport height and weight



## Screen module

- ✓ The optional screen module enables production of one or two calibrated end products
- ✓ The aggressive kinematics of the circular motion twodeck screen provide amazing screening efficiency



## Metso Minerals Crushing Equipment Our ranges:

### Unit Crushers

C Series jaw crushers  
Primary gyratory crushers  
GP Series cone crushers  
HP Series cone crushers  
MP Series cone crushers  
NP Series horizontal impact crushers  
VI Series vertical impact crushers  
Barmac Series vertical impact crushers  
Lindemann Series metal crushers  
Nordberg laboratory crushers

### Mobile Equipment

LT Series mobile crushing plants  
NW Series portable plants

### Complete Plants

Complete plants for aggregate production  
Complete plants for recycling

### Metso Minerals Crushing and screening

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*All Metso Minerals  
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equipment is produced  
in accordance with  
a quality assurance  
system that complies  
with the ISO 9001  
standard, as certified  
by DNV Certification Oy.*

