Metso

Lokotrack® EC range

Industry-leading reliability and performance

Metso PLUS



Lokotrack® EC range

The Lokotrack® EC range introduces new diesel-electric power line with unseen usability improvements and the latest crushing and screening technologies.

All process functions in Lokotrack EC crushers and screens are electric. The electric components are globally available and designed for demanding conditions making it easier to reach maximum uptime.

Designed with user in center

The Lokotrack EC models have a new remote radio to set up the machine to operation safely from distance. Wide service platforms and access from the ground level make every day maintenance easy and safe for the operators.

Safe investment

The modular design allows upgrading the machines with new features and technologies to meet the changing market requirements. The machines share same design and common parts making operation easy with lower parts inventory.



Metso PLUS

The Lokotrack EC range aligns with the demand for low-carbon operations when operated on electrical power, thereby reducing carbon emissions. Additionally, reducing the carbon footprint is achieved by minimizing the need for hydraulic oil.



Next-generation diesel-electric powerline enables **minimum operational cost and CO2 emissions**



All electric components are designed for demanding conditions to reach **maximum uptime**



With easy-to-use remote control, units can be **safely set up** for transport and operation



Metso Lokotrack® LT400J™

The next generation diesel-electric mobile jaw crusher

Lokotrack LT400J is a powerful hybrid mobile jaw crusher designed for primary crushing of hard rock and producing recycled aggregates. The new diesel-electric power line and enhanced usability ensure maximum uptime. Its modular design allows easy upgrades to meet changing market requirements.

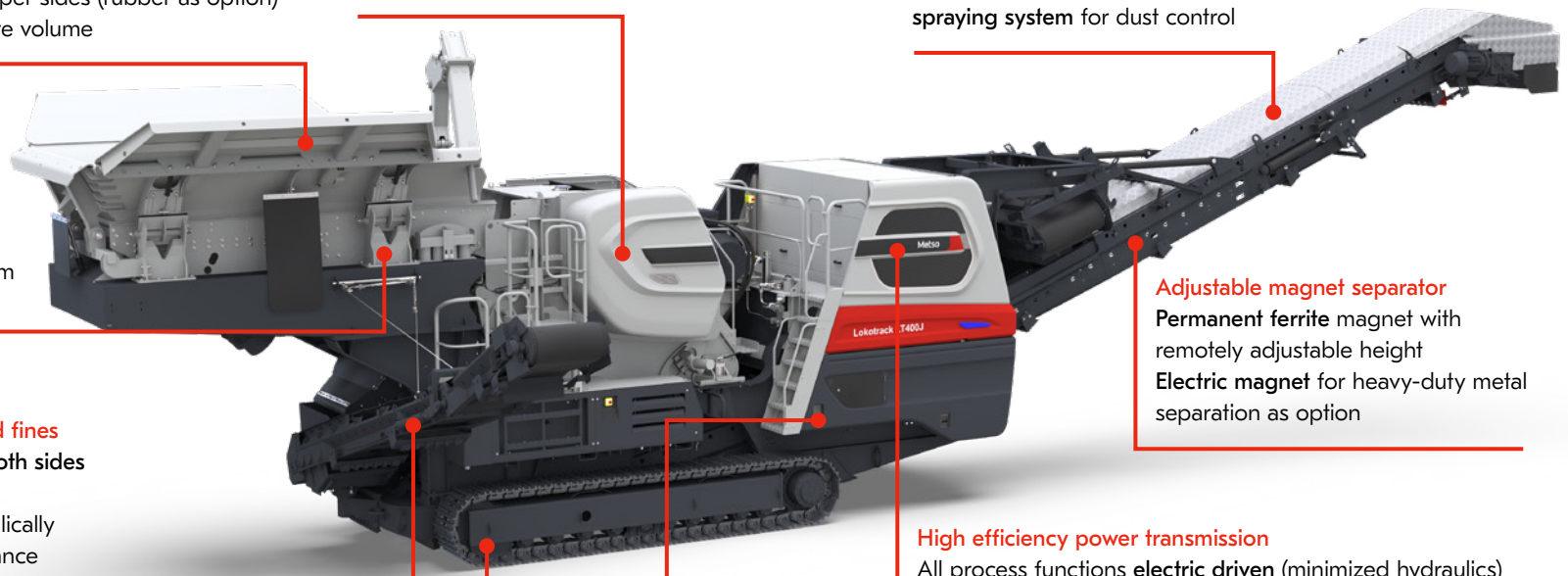
Hydraulically foldable feed hopper
Impact resistant curved hopper sides (rubber as option)
Extensions available for more volume

Vibrating grizzly feeder
Automatic **speed control**
Efficient material flow with high stroke vibrating unit
Wear resistant feeder bottom (rubber as option)

Fixed side conveyor for feed fines
High discharge height on **both sides**
Transported separately
Bypass chute can be hydraulically moved for crusher maintenance

Heavy-duty tracks and frame
FEA designed structure for **optimized weight and lifetime**
3-speed track drive for good turnability and speed
Quick machine set up and tracking with easy radio remote control

Robust and aggressive jaw crusher
High efficiency electric motor with optimized flywheel inertia
Hydraulic setting adjustment
VFD as standard for easy cavity clearance



Electric main conveyor
Adjustable discharge height for easy combination
Can be **lowered horizontally** for maintenance
Automatically adjustable load section
Carving scrapers, covers and **high-pressure water spraying system** for dust control

Adjustable magnet separator
Permanent ferrite magnet with remotely adjustable height
Electric magnet for heavy-duty metal separation as option

High efficiency power transmission
All process functions **electric driven** (minimized hydraulics)
Connection to external power grid as standard
Bigger genset enables PTO to run e.g. a mobile screen
Composite covers and robust platforms for safe & easy service

Easy usability
All process functions are controlled by advanced IC automation either via simple remote control or more advanced **Remote IC app**
Metso Metrics enables remote process monitoring

Technical specifications

Transport dimensions		
Weight (rounded) Length (rounded) Width Height	68 t 18,3 m 3,0 m 3,9 m	149 900 lbs 60' 9' 10" 12' 10"
Feeder	**LT400J feeder**	
Hopper volume Width Loading height Loading width	7 m3 / 12 m3 1200 mm 4480 mm 4060 mm	9 yd3 / 16 yd3 3' 11" 14' 8" 13' 4"
Side conveyor	**BC6.5 - 7**	
Width Length Discharge height	650 mm 7000 mm 2900 mm	2' 1" 22' 11" 9' 6"
Crusher	**Nordberg® C120**	
Feed opening Drive type	1200 x 870 mm Electric 160 kW	47' x 34'
Main conveyor	**BC12-16**	
Width Length Discharge height	1200 mm 16 m 3,6 - 4,7 m	3' 11" 52' 6" 11' 9" - 15' 5"
Power unit	**CAT® C9.3B, C13B / C9.3B**	
Power(StageV, Tier4f / Tier3) Generator power Fuel /hydr.oil vol.	310, 370 / 310 kW 450 / 550 kVa 1000 l / 80 l	415, 516 hp 264 gal / 21 gal
Process control	**IC**	

Options

Adjustable permanent/electric magnet
Automatic lubrication unit
Belt protection plate
Bypass chute
Climate kit (hot/cold)
Dischage hood for conveyors
Dust encapsulation for conveyors
External power intake (400V)
Electric power outlet 150A
Electric power outlet (32/63A)
Feed hopper extensions
Fuel filling pump
High pressure water spraying
Interlocking cable
Metso Metrics
Pre-heater for hydraulic oil
Pre-heater for diesel engine
Remote IC
Rock breaker
Rubber liners for feeder bottom
Side conveyor
Special (carving) scraper for main conveyor



Next generation diesel-electric powerline

Same design and common parts

Designed with user in center

All process functions are electric

Electric components designed for demanding conditions

Easy upgrade of new features and technologies

Metso Lokotrack® LT350C™

The next generation diesel-electric mobile cone crusher

Lokotrack LT350C is a powerful hybrid mobile cone crusher for secondary crushing in various applications. The new diesel-electric power line and enhanced usability ensure maximum uptime. Its modular design allows easy upgrades to meet changing market requirements.

High capacity HP350e cone crusher

Multiple cavity options for **excellent end product quality**
VFD as standard for **easy speed control**
Accurate material level control to ensure choke feed

Electric main conveyor

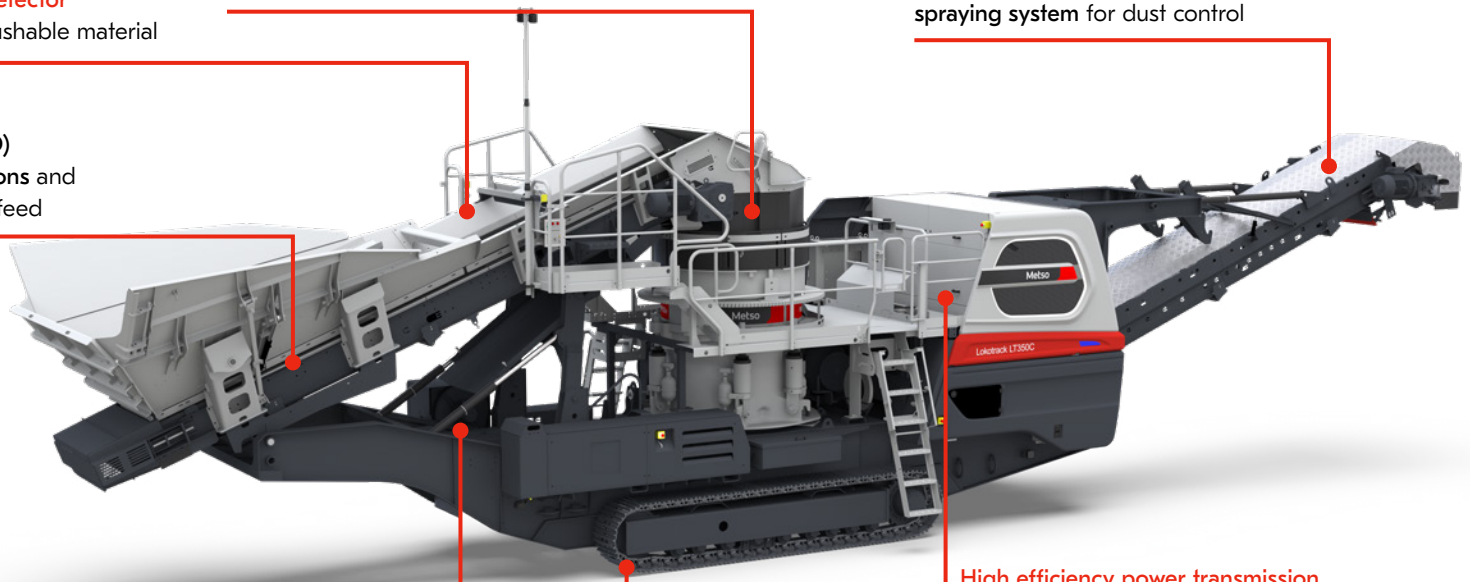
Adjustable discharge height for easy combination
Can be **lowered horizontally** for maintenance
Carving scrapers, covers and **high-pressure water spraying system** for dust control

Reliable and accurate metal detector

Protects crusher against uncrushable material

Strong belt feeder

Automatic **speed control (VFD)**
Hydraulically foldable extensions and support leg for wheel loader feed



High efficiency power transmission

All process functions **electric driven** (minimized hydraulics)
Connection to external power grid as standard
Composite covers and robust platforms for safe & easy service

Easy usability

All process functions can be controlled via simple remote control or more advanced **remote user interface**
Quick machine set up and tracking with easy radio remote control
Multiple units connected with **Remote IC**
Metso Metrics for remote process monitoring

Heavy-duty tracks and frame

FEA designed structure for **optimized weight and lifetime**
3-speed track drive for good turnability and speed

Technical specifications

Transport dimensions		
Weight	50 t	111 000 lbs
Length	21 m	68' 10"
Width	3 m	9' 10"
Height	3,8 m	12' 6"
Feeder	**BF12-7**	
Hopper volume	6 m3 / 8,5 m3	8 yd3 / 11 yd3
Loading height	2830 mm	9' 3"
Loading width	2800 mm	9' 2"
Crusher	**Nordberg® HP350e**	
Max feed opening	246 mm	9,7"
Nominal power	250 kW	325 hp
Drive type	Electric	
Main conveyor	**BC12-13**	
Width	1200 mm	3' 11"
Length	13 m	42'
Discharge height	2,7 - 3,6 m	8' 10" - 11' 7"
Power unit	**CAT® C13B/C13**	
Power (StageV,Tier4 / Tier3)	400/385 kW	536/516 hp
Generator power	550 kVa	
Fuel / hydr. oil vol.	1000 l / 80 l	264 gal / 21 gal
Process control	**IC**	

Options

Climate kit (hot/cold)
Discharge hood for main conveyor
Dust encapsulation for conveyors
External power intake (400V)
Electric power outlet (32/63A)
Feed hopper extensions
Fuel truck connection
High pressure water spraying
Hydraulic oil heating
Interlocking cable
Metso Metrics
Heater for hydraulic/lubrication oil
Pre-heater for diesel engine
Remote IC
Safety package
Special scraper for conveyors
Synthetic lubrication oil



Next generation diesel-electric powerline

Same design and common parts

Designed with user in center

All process functions are electric

Electric components designed for demanding conditions

Easy upgrade of new features and technologies

Metso is a frontrunner in sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. We improve our customers' energy and water efficiency, increase their productivity, and reduce environmental risks with our product and service expertise. We are the **partner for positive change.**

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