ROMITAMP 2.0 Tamping Machine

FLEXIBLE TAMPING UNIT FOR HIGH QUALITY BALLAST COMPACTION.

Compact and small tamping machine for precise tamping of track sections, which are to big for manual corrections and to small for economic commitment of large machinery. Application also in terrain, which is difficult to access.

ITS BENEFITS. YOUR BENEFITS.

High tamping power. Maximal quality.

- Homogenous ballast compaction with the proven asynchronous pressure vibration tamping system, ideal for poor ballast conditions.
- Correct track geometry in a short time
- Linear control allows a precise motion sequences of the tamping units.
- Operator‘s seat with all of the controls located immediately behind the tamping unit
- Tamps on both directions, both sides or in switches

Robust and compact construction

- Compact design which is easy to transport by road and rail, ideal for loading on trucks or ROTRAILER
- High wear resistant armour material with pressure plates maximizes tamping tine life

Reliable function. Best equipment.

- Rapid deployment with an integrated on/off tracking device
- Bio-degradable hydraulic oil tank with line filters on both intake
- and return line
- Additional LED work lights on all sides
- Fully automated tamping process reduces manual follow up work Low maintenance costs due to economical, readily available

Optional modularity. Individual operation. Greatest possible flexibility.

- Conversion to different track gauges
- Switch tamping unit for treatment of switch and crossings
- Air-conditioned cab for full operator comfort
- Combined lift and lining function in one tamping pass
- Function upgrades are possible with “bolt-on” optional modules

TECHNICAL SPECIFICATIONS

Speed	25 km/h
Brake	hydraulic spring loaded brake
Drive	hydrostatic
Wheelbase	2900 mm
Engine power	~ 100 kW, depending on number of tamping heads (Basic 55 kW)
Emission stage	Emissions classification EU Stage V
Dimensions	from 5680 x 2250 x 2896 mm, depending on configuration
Weight	from 5,6 t
Track gauge	900 – 1676 mm
Approval	Machinery directive CE marking, EN 15955 in combination with national approvals

Technical specifications comply with minimum values, deviations depending on module choice.

Basic version with roofed cabin and one side mounted tamping unit with four tamping tines.

TAMPING UNITS

Option SINGLE
1 Basic tamping unit fix, not adjustable
Output: 40 - 50 m/h or ~ 100 sleepers /h, depending on track characteristics, without lift & line

Option DUAL
2 Basic tamping units fix, not adjustable
Output: 150 m/h or ~ 300 sleepers /h at 500 mm sleeper spacing, depending on track characteristics, without lift & line

Benefit:
- No second machine necessary, due to parallel tamping of both rails
- No rotating of the vehicel required

Option SWITCH
1 Switch tamping unit with tines that rotate to horizon
Output: 80 - 100m/h or ~ 200 sleepers /h at 500 mm sleeper spacing, depending on track characteristics, without lift & line
Benefit:
- Unlimited tamping of switch and crossing unit possible

Additional modular configurations

Cabin
Option 1 (Basic version)
Open, roofed drivers cabin designed according to ergonomic aspects

Option 2
Closed drivers cabin with air-condition and heating
Benefit:
- Protected operators workstation enables working in all weathers

Lift and Lining unit
Hydraulic lifting cylinders with max. lifting 900 mm, lateral displacement +/- 100mm, depending on structure gauge
Benefit:
- staff savings about 3-4 compared to manual methods pf lift and lining of track
- Further tools and equipment are not required
- Long lasting repair with no manual follow up work required
- Including a measuring unit to measure superelevations
- Automatic data collection of measured values with visual display of real time track parameters

On and off tracking unit
Integrated on and off tracking unit - parallel to direction of operation and on all different track surfaces
Benefit:
- Fast on/off tracking allowing increased track availability
- On/off tracking under overhead line possible

Rubber coated wheels
Easy unloading, without risk of damage, due to rubber coating of the wheels
Benefit:
- Short transit on asphalt is possible
- No damage to the wheels

Rotating unit
Simple unloading on construction site
Benefit:
- Manual turning of the machine is possible
- Simple on tracking is possible at level crossing

OPTIONS	ROMITAMP 2.0 Single	ROMITAMP 2.0 Dual	ROMITAMP 2.0 Switch
TAMPING UNIT			
1 Fixed basic tamping unit	■	-	-
2 Fixed basic tamping units	-	■	-
1 Moveable switch & crossing tamping unit	-	-	■
MOTOR			
Motor power 55 kW	■	-	-
Motor power 100 kW	-	■	■
CABIN			
Covered open work cab	■	■	■
Enclosed work cab	□	□	□
Lifting and Lining* device (incl track measurement)	□	□	□
On/off tracking device	□	□	□
Turn table	□	□	-
Rubber tyres	□	□	□

***Depending on the loading gauge some restrictions on lining may apply**

■ Standard

□ Option