SCG 23
Track and turnout grinding machine
With two-axle material carriage

Technical Data
- Gauge width: 1,435 mm
- Total length over buffers + center. carr.: 21,855 mm
- Width: 3,000 mm
- Height over top of rail: 4,030 mm
- Total weight (with trailer): 55,30 t
- No. of axles: 4
- Max. axle load: 15 t
- Max. speed (autom./transp.): 90 km/h
- Positioning length before grinding start: 40 m
- Operating noise (25 m distance): 73 dBa

Characteristic grinding values
- Grinding speed: 3–8 km/h
- Grinding directions: 2
- Torque of grinding motor: 5,500-6,000 min-1
- Grinding motor power output: 17 kW
- Cup wheel (16 pieces): Ø 152 mm
- Disc wheel (4 pieces): Ø 280 mm

Special features
- Automotive 20 motor stone rail grinding machine for the removal of rail surface defects, removal of damages due to material fatigue caused by rolling contact or by the low-carbon rail edge areas (resulting from the rail production rolling process) and for rail head profiling
- For use in tracks and turnouts, intersections and level crossings without the need to dismantle any equipment
- Two grinding heads – consisting of 2 hydro motors, spindle-bearing-units and grinding discs – are mounted independently but controlled together allowing 5 different facets to be ground in one passing over the rails
- Grinding angle, lateral position as well as set position are entirely programmed as grinding sequences
- Grinding pressure individually selectable for each grinding disc
- The admissible angle range is 75° on the inside of the rail up to 45° on the outside of the rail, measured vertically