

Motorized Pantographs

SZEL 50.60

In studios with working altitudes of up to 7,5 meters, motorized pantographs for the accurate positioning of lighting, audio, and video equipment are an economic alternative. Furthermore, they considerably reduce stress levels on grid and ceiling because of their light-weight design.

MTS pantographs are made of stable, powder-coated, high-precision, lightweight aluminium extrusions that provide a high level of twist rigidity. Extremely compact when not extended.

Motorized vertical movement with dynamically self-locking drive. Horizontal movement (manually or motorized) optionally. Design modifications possible according to customer demands.

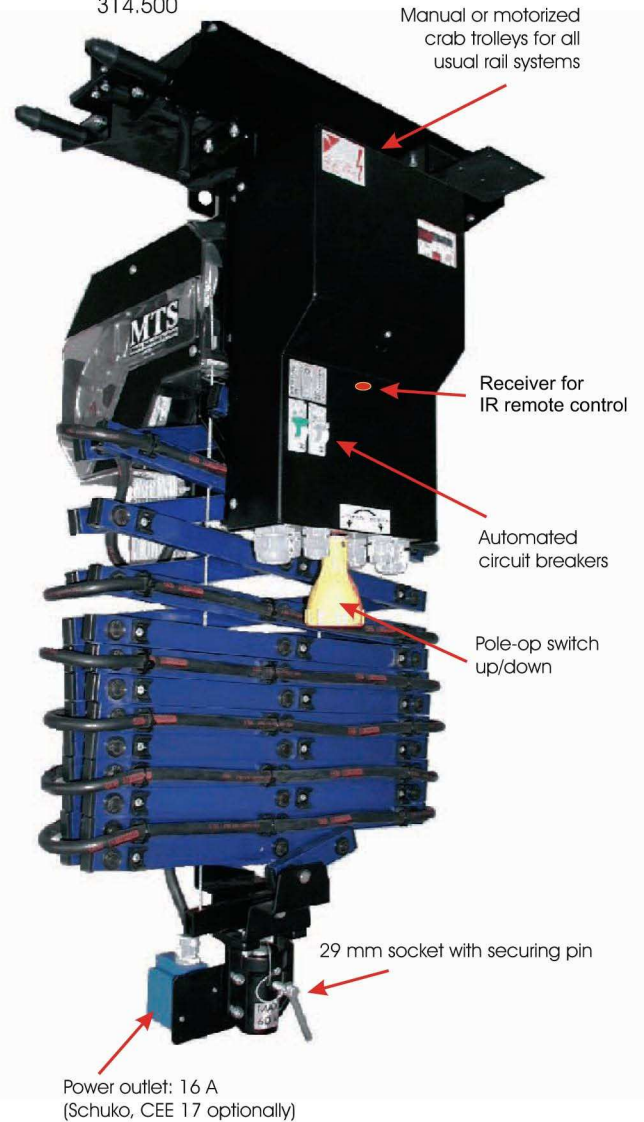
Guide plates above and below ensure high stability; both longitudinal axles are extremely precise, thus keeping radial and torsion deviations at an absolute minimum. High flexibility and wide bending angle of the load cable minimise wear and tear and prevent damage. Plastic clips ensure that load cable is smoothly fed during operation and avoid pinching or chaffing.

Load attachment by means of a DIN socket (Ø 29 mm) with eye for safety cable.

Two supporting cables with slack-cable detection on each. Separate cable-break detection on each cable. Overload detection. Detectors for the end of the upper and lower operating range. Emergency switches for the end of the upper and lower maximum range. Movement stops immediately and reliably when safety devices are activated. Pole-operated switch for up/down. Optional remote control by IR or wall panel.

All versions are fully compliant with safety standards BGV C1 (former VBG 70) and DIN 15560 T46. Registered type-approval code: 034506.

Art. Nr.
314.500



Manual or motorized crab trolleys for all usual rail systems

Receiver for IR remote control

Automated circuit breakers

Pole-op switch up/down

29 mm socket with securing pin

Power outlet: 16 A
(Schuko, CEE 17 optionally)



Crab trolley for I profiles



Design meets function at the academy for film and TV (HFF) in Berlin-Babelsberg. Studio B equipped with motorized pantographs from MTS. Studio A equipped with monopoles from MTS.

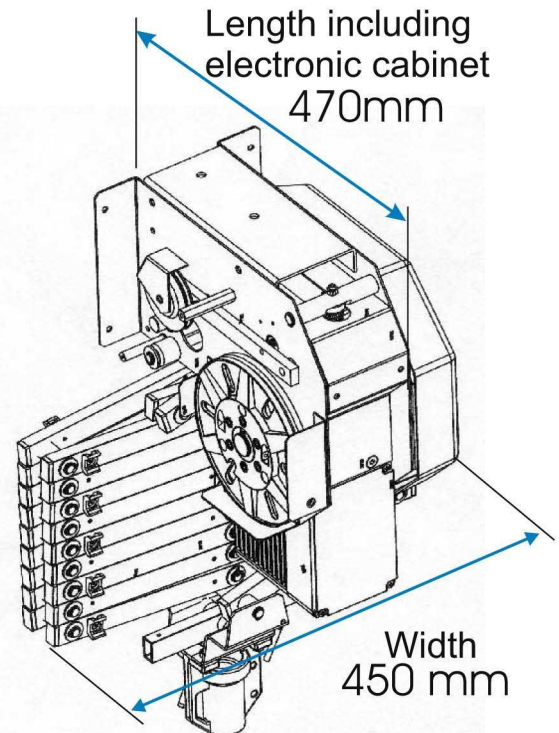
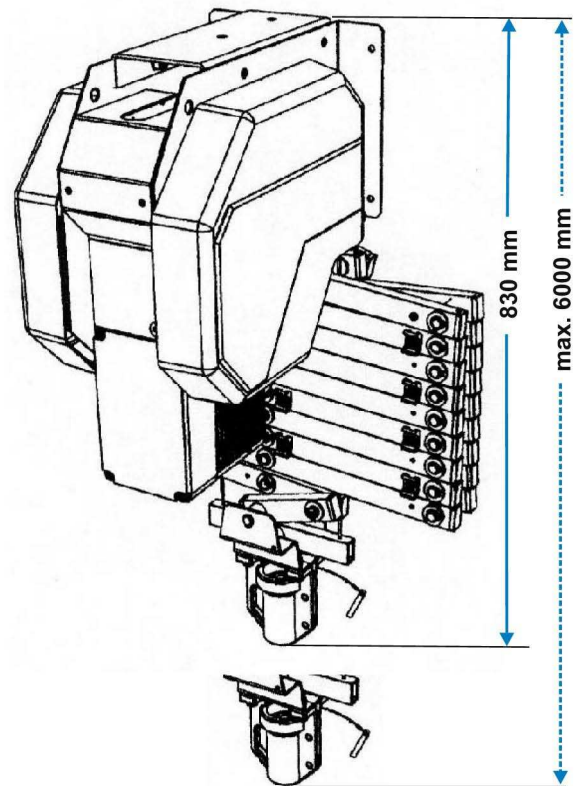


Subject to change without prior notice

Technical Data

payload max. 60 kg
Minimum length 830 mm
Maximum extension SZEL 50: 5000 mm
Maximum extension SZEL 60: 6000 mm
two supporting cables (Ø 2,8 mm diameter)
Motor: 3 x 230/400V; 50 Hz; 0,4 kW
motor protected against thermal overload
ED: duty cycle 0,4
motor's protection class IP 54
Getriebe: dynamically self-locking drive
v_{Hub}: lifting speed approx. 135mm/s lifting
lifting noise approx. 48 dB(A)
load attachment: DIN socket (Ø 29 mm)
power cable: 3 x 2,5 mm²
cable guidance by plastic clips
Power inlet/outlet: 16 A (Schuko, CEE 17 optionally)
dead weight: approx. 35 kg
Standards: BVG C1 (former VBG 70),
DIN 15560 T46, EN 60204-1

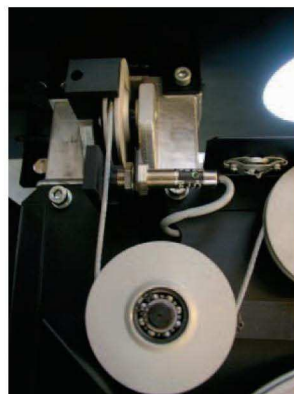
Crab trolleys for manual or motorized horizontal movement available for all usual rail systems.
All motorized pantographs may also be controlled by a bus system.



Bobby cable drum



Cable-break and slack-cable detectors



Subject to change without prior notice