



SSZ

MAMBA

SELF-PROPELLED MOBILE RETURN STATION



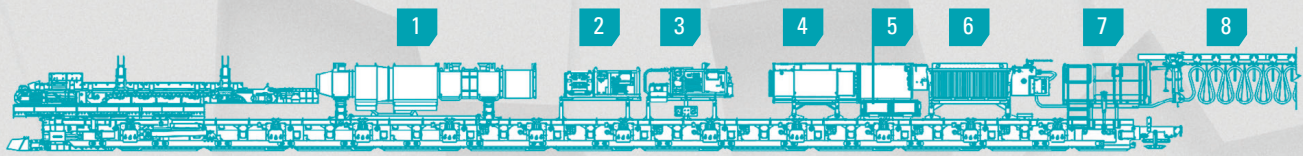
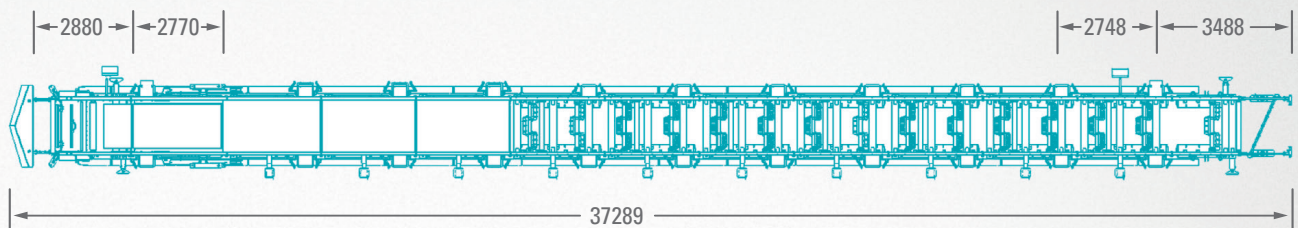
Self-propelled mobile return station MAMBA is a part of haulage (transport) system compatible with belt conveyor of any belt width. It is designed to collect the mined material from roadheader or any other machine which loads the mined material directly on station's feed chute.

MAMBA is used to extend the belt conveyor which moves along with development works (heading face) advance. MAMBA replaces standard mobile belt tail pieces available on the market, designed for transport of mined material. Structure of self-propelled mobile return station allows to install all kind of additional (auxiliary) devices on its construction.

Self-propelled mobile return station MAMBA is adapted to work in methane and non-methane mines, excavations with degree of „a”, „b” and „c” of methane explosion hazard and excavations with class of „A” and „B” of coal dust explosion hazard. This device has been classified as Group I, category M2 due to its application in areas exposed to danger of explosion (according to directive 2014/34/UE).

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DIAGRAM**1** Dust collector.**3** Mining hydraulic power unit.**5** Grating platform storage area.**7** Platform.**2** High pressure water jet system.**4** Portable flameproof powering unit.**6** Flameproof transformer station.**8** Cable positioning equalization.**9** Tail frame (return) segment.**10** Adjustable segment.**11** Regular segment.**12** Assembly (connecting) segment.**TECHNICAL CHARACTERISTICS**

BELT WIDTH [mm]	1000 – 1600	INCREASE HEIGHT [mm]	230
TOTAL LENGTH OF STATION [mm]	37300	PISTON-SIDE FORCE OF STATION'S MOVING SYSTEM	2 x 300
HEIGHT OF STATION [mm]	1000	PISTON ROD-SIDE FORCE OF STATION'S MOVING SYSTEM MAX.	2 x 135
WIDTH OF STATION [mm]	2400	BELT CONVEYORS COMPATIBLE WITH STATION	belt conveyors of width 1000, 1200, 1400, 1600
WIDTH OF STATION (INCLUDING SET OF CABLES INSTALLED ON ONE SIDE) [mm]	2800	MOVING SYSTEM'S ACTUATOR	1500
SUPPLY PRESSURE OF HYDRAULIC UNITS [MPa]	21		
MAX. TRANSVERSE INCLINATION [°]	± 5		
ADMISSIBLE LONGITUDINAL INCLINATION OF UNDERGROUND MINING EXCAVATIONS WHERE STATION IS INSTALLED	Limited by angles which allow compatible conveyors (scraper and belt conveyors) to be installed		