



Progress Rail Flash Butt Rail Welder ATMW Model K930 is a ready-for-service, in-track condition rail welding system. System mounted on DOOSAN DX170W (or similar) excavator equipped with High-rail system designed and manufactured by GOS Engineering (UK). Unit is designed to run with high flash point fluid, all cables and hoses are fitted with fire resistant shields. The system is complete with diesel engine generator set and internal cooling system. An electronic control system is designed to provide a stable welding process according to preset parameters and provide high quality of welding joints.

Hydraulic power provided by excavators main pump station. Engine driven pumps provide power for the excavator and welder oil circuits. Oil cooling system is integrated with original excavator design.

This System is primarily intended for use on rail infrastructure (construction and maintenance purposes), the machine is specifically designed and built as a mobile welding machine. Where permitted/certified, towing of loads is permitted and an automatic hydraulic and air trailer park braking systems, suitable for use with Philmor/GOS T Series Rail Trailers, is provided at both ends of the excavator.

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FLASH BUTT RAIL WELDER ATMW K930

Rail Welding Head Model K930

Rail welding is carried out by utilizing the principle of flash resistance welding. The K930 system can weld rails with a cross section up to 12,000mm². Integrated with the welding head is a flash removal device. The system is capable of up to 12 welds per hour (flash removal included) for regular process and up to 18 welds per hour (burr removal included) for pulse process

System Advantages

Welding head Model K930 is designed to provide highest standard on quality and tolerances of rail welding in-track, stationary and tension conditions. Welding head is able to achieve 120T pulling force. Welding head model K930 completes a welding cycle from aligning to flash removing in one automatic sequence.

System Controls and Review System

Automatic weld process controlled is provided by an Allan Bradley Programmable Logic Controller (PLC). This Process Controller is proven in more than 200 welding operations around the world. A HMI computer operating with PRW Weld Monitoring Studio provided operator interface and data storage for weld records.

Technical Data

Progress Rail Containerized Rail Welder Model K930

DIESEL POWER STATION:	460V/60Hz
RATED PRIMARY CURRENT (50% DUTY CYCLE):	540Amps
RATED POWER (50% DUTY CYCLE):	210KVA
RATED WORKING HYDRAULIC PRESSURE:	3000PSI
RATED UPSET FORCE:	1200KN (120000KGF)
RATED CLAMPING FORCES:	2900KN (290000KGF)
MASS:	3700KG
OVERALL DIMENSION (W*H*L):	1000x970x1895mm
PRODUCTION RATE	12 / 18 WELDS / HR (flash/pulse)

Note: Machine built in general accordance with UK Network Rail Railway Group Standard RIS-1530-PLT, for the use of road/rail equipment on the UK Network Rail infrastructure.

Model	Chassis Weights	Rail Wheel Size (mm)	Approx Machine Weight (kg)
Ultamate Welder	(4000kg)	700	33300



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