

LOCOTRACTORS AND SHUNTING DEVICES



ARROW LINE

Emphasis on cost reduction and environmental protection has been inducing enterprise managers to revise their attitude to in-house logistics, which had been a neglected sector. This does not apply only to the ecologically more developed West European industry: interest in modern manipulation technologies is apparent throughout Europe. An example is the steel-industry giant ArcelorMittal, which has launched a new environmental policy.

At all places where large amounts of raw materials and products are loaded and unloaded – in the chemical, metallurgic and mining plants, in ports and places of reloading, we shall be more often than not meeting with a technology which is provided complete from design to installation by Arrow line, a.s. The company based in the Moravia Silesia Region of the Czech Republic was established in 1996 and since the beginning has been focussing on equipment for the shunting and manipulation of wagons on railway sidings in industrial enterprises.

The latest transport technology developed in Arrow line are electric locomotives on two-, three- and four-axle chassis and output from 37 to 500 kW. All locotractors are controlled by a remote radio system, but can have an operator's cabin like most classical shunting locomotives. Operation safety is redoubled by the possibility to install automated couplings so that the operator does not need to step between buffers. These locomotives can shunt lines of wagons of a total weight of 2 000 tons. Their advantages include easy handling, low energy consumption, and environmentally friendly operation. The accumulator version of the locomotive eliminates idle run, which is typical of Diesel engines.

Compared with Diesel engine operation, the purchasing and operating costs of the accumulator locomotive pay back within two years. Moreover, the modernisation of siding operations can be significantly subsidised from European Union resources.

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MODERN MANIPULATION TECHNOLOGY FOR RAILWAY SIDINGS