

SIMOTICS DP Application-Specific Motors

Steel plant motors 1PC14

Orientation

Application

Steel plant motors have been specially designed for metal production applications. They are capable of withstanding exceptionally high mechanical stresses caused by vibration and shocks. Their primary applications include the transport of steel or aluminum, and the transport of semi-finished products to cooling or heating systems, or to metal sheet and foil coilers.



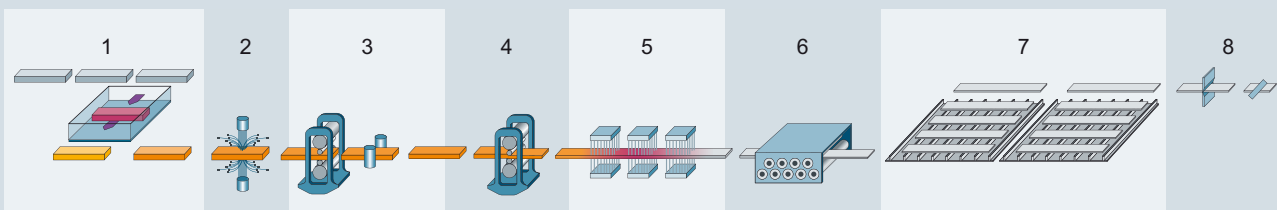
Steel plant motors – transport material for coiling

Siemens roller table motors with "ring-rib" design must be used for reversing rolling operation in the "hot zone" (close to the roll stands) in extremely polluted atmospheres with severe continuous vibrations combined with continuous shocks.



Application for roller table motor

Applications in a typical steel plant



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Area	Drive solutions
1 Slab furnace feed and reheating furnace	Steel plant motors
2 Descaling and slab transport	Steel plant motors
3 Roughing stand with edger	Roller-table motors
4 Finishing stand	Roller-table motors
5 Cooling line	Steel plant motors
6 Hot/cold straightening machine	Steel plant motors
7 Cooling table	SIMOTICS SD motors
8 Slitting line and adjustment	Steel plant motors