

Recuperators are a heat exchanger used in the steel industry to transfer energy between two air streams. A steel mill's reheat furnace recuperator recovers heat energy from the furnace flue gas duct and preheats the combustion air being supplied to the furnace burners. Units dramatically increase the energy efficiency of the reheating process; therefore maintenance of the units is critical.

DynaIndustrial has supplied a variety of units to steel mills in Canada and the USA ranging in size from 7'x 7' x 14' high to 5'x 12' x 14' high. In all cases multiple units were supplied; in groups of three or four. Hot side tubes are pre-bent to control thermal growth direction.

Units can be supplied in mild and stainless steel and tube materials can vary based on application. DynaIndustrial's engineering department can create 3d models and manufacturing drawings.

