

Industry:
Steel

Application:
Plate leveler

Problem/Requirement:
When leveling thick plates, high forces can occur on both the leveler and the sheet metal. A wrong adjustment of the machine can cause several components of the leveler to be overloaded.

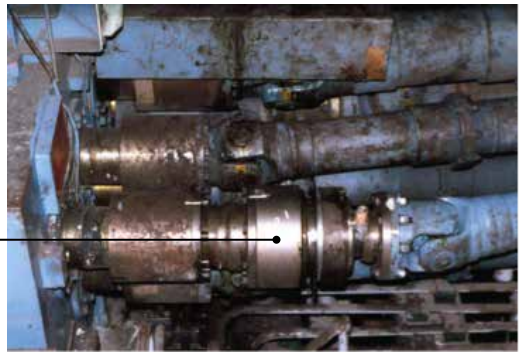
Solution:
Autogard 820 Series Torque Limiter limits torque at specific point and is easy to reset on site requiring no special tools

Result:
No damage to equipment and reduced downtime

Autogard 820 Series Torque Limiters for Steel and Aluminum Processing

Steel and aluminum plate levelers
A plate leveler is designed for leveling hot and cold plates as well as heat treated plates. According to their duty, they can be divided into hot, cold and warm levelers. When leveling thick plates, high forces can occur on both the leveler and the sheet metal. A wrong adjustment of the machine can cause several components of the leveler to be overloaded. Torque limiters are a standard for this application to protect gearboxes and motors, and to reduce downtime.

The Autogard 820 Series has been designed to meet the need for overload protection on very high-torque drives in heavy-industry applications. The torque limiter is designed using a modular principle which enables the trip torque capacity to be set to virtually any value. Individual torque limiting elements are mounted around the periphery of the torque limiter. The torque capacity is then dependent upon the radius at which the modules are located and the number used. Each module is set to give repeatable and reliable disengagement in the event of an overload.



Pictured above: A special Autogard Torque Limiter installed on the output side of the drive. Torque limiters such as the Autogard 820 Series are generally installed on the input side of the drive for overload protection.

