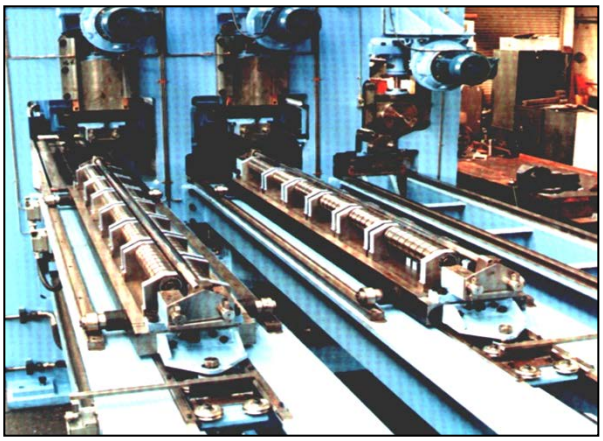
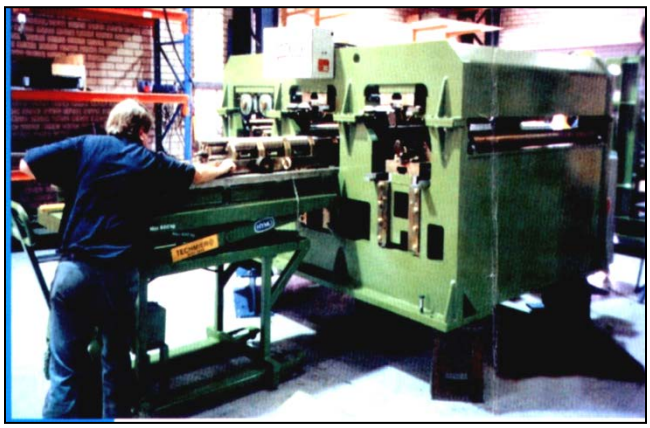
BRONX TENSION LEVELLING



BRONX

Tension leveller installed in a continuous galvanising line



Quick change cassette system

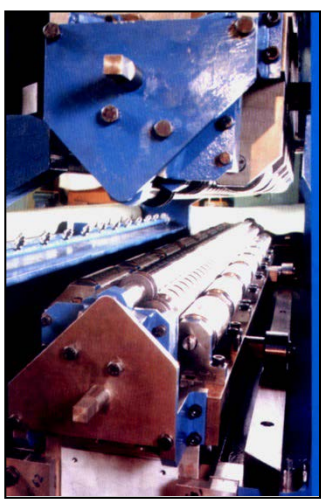
Bronx has a long and successful history of designing and building tension level lines for both ferrous and non-ferrous metals. Lines have been installed in United Kingdom, Belgium, India, Switzerland, Norway, South Africa, Canada, Spain, Korea, Taiwan, Poland, Indonesia, China, Columbia, Turkey, Venezuela, Sweden and Russia.

Tension levelling corrects poor shape imparted in metal strip by cold and hot rolling processes. Table top flatness quality can usually be produced depending on the severity of the poor shape of the incoming strip.

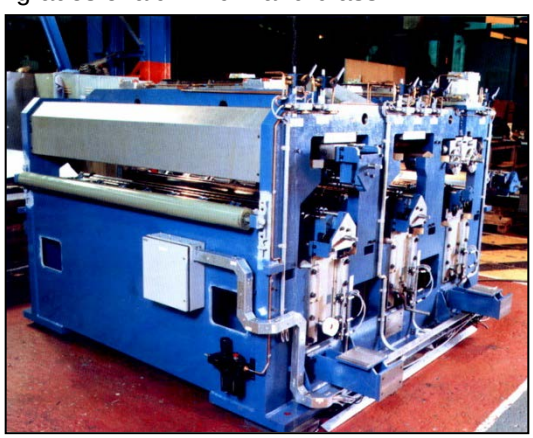
Tension levelling will also greatly improve the physical properties of low carbon steel and other metals susceptible to the appearance of a defined yield point. Without corrections, these types of steel can form unsightly “Luder Lines” which when severely cold worked, usually causes reject components.

Lines are built with speeds of up to 300 mpm, thickness from 0.15 mm to 3 mm, widths to 1830 mm in both 4 and 6 high configurations. Quick change roll cassettes are standard for both top and bottom roll clusters. Usually, two work roll and two de-curving sections are supplied but in some instances, one de-curving roll section is used to reduce capital cost.

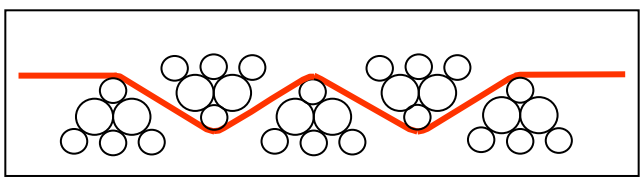
Bronx design engineers have developed computer programs to ensure efficient leveller design to level full hard steel, annealed steel, stainless steel and all grades of aluminium and brass.



A 6-high cassette used for levelling superior surface quality material



A leveller with two levelling and one de-curving stage



Schematic drawing of 6-high roll configuration

For more information on our range of Bronx Process Lines please contact our Business Development team or sales office salesgroup@thebronxgroup.com or visit our web page www.thebronxgroup.com
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