

KAWASAKI STEEL TECHNICAL REPORT

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New Technologies for Connecting Process Lines by Means of Air Floating Helical Turners

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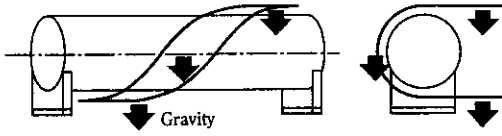
Synopsis :

At the No. 1 Cold Rolling Mill in the Chiba Works, Kawasaki Steel, we have successfully connected a continuous annealing line, the No. 2 CAL AL Ao.7(a)2o.7.814.P8 (w)13,e)3 ().2 (w.7biii lines did not coincide with each other. Furthermore, we have installed new finishing equipments. Air floating helical turner was the first in the world of its kind. In achieving non-touch uniform levitation, we have solved various problems that had not

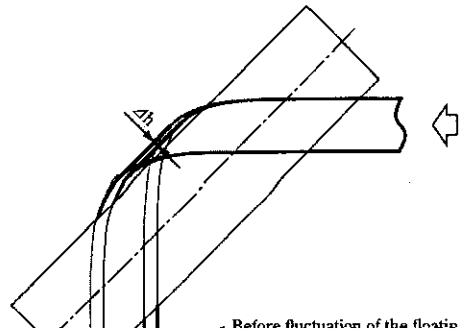
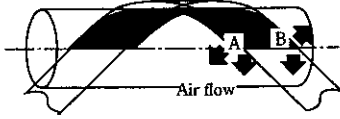
New Technologies for Connecting Process Lines

by Means of Air Floating Helical Turners*

(a) Asymmetrical gravity on the strip



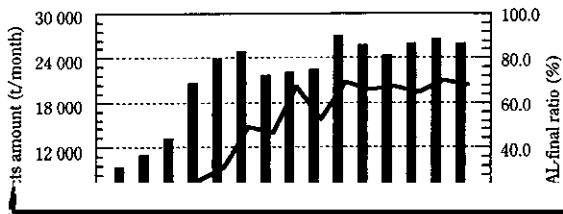
(b) Asymmetrical pressure under the strip



Before fluctuation of the floating can

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nology to improve flexibility of line arrangements in connecting high speed processing lines in the future.

References

- 1) Nippon Steel Corp.: Jpn. Kokai 61-46381
- 2) Mitsubishi Heavy Industries Ltd.: Jpn. Kokai 58-135049