

Progress of Mechanical Equipment, Process Control and Instrumentation Technologies for Innovation in Steel Production Processes*



Synopsis:

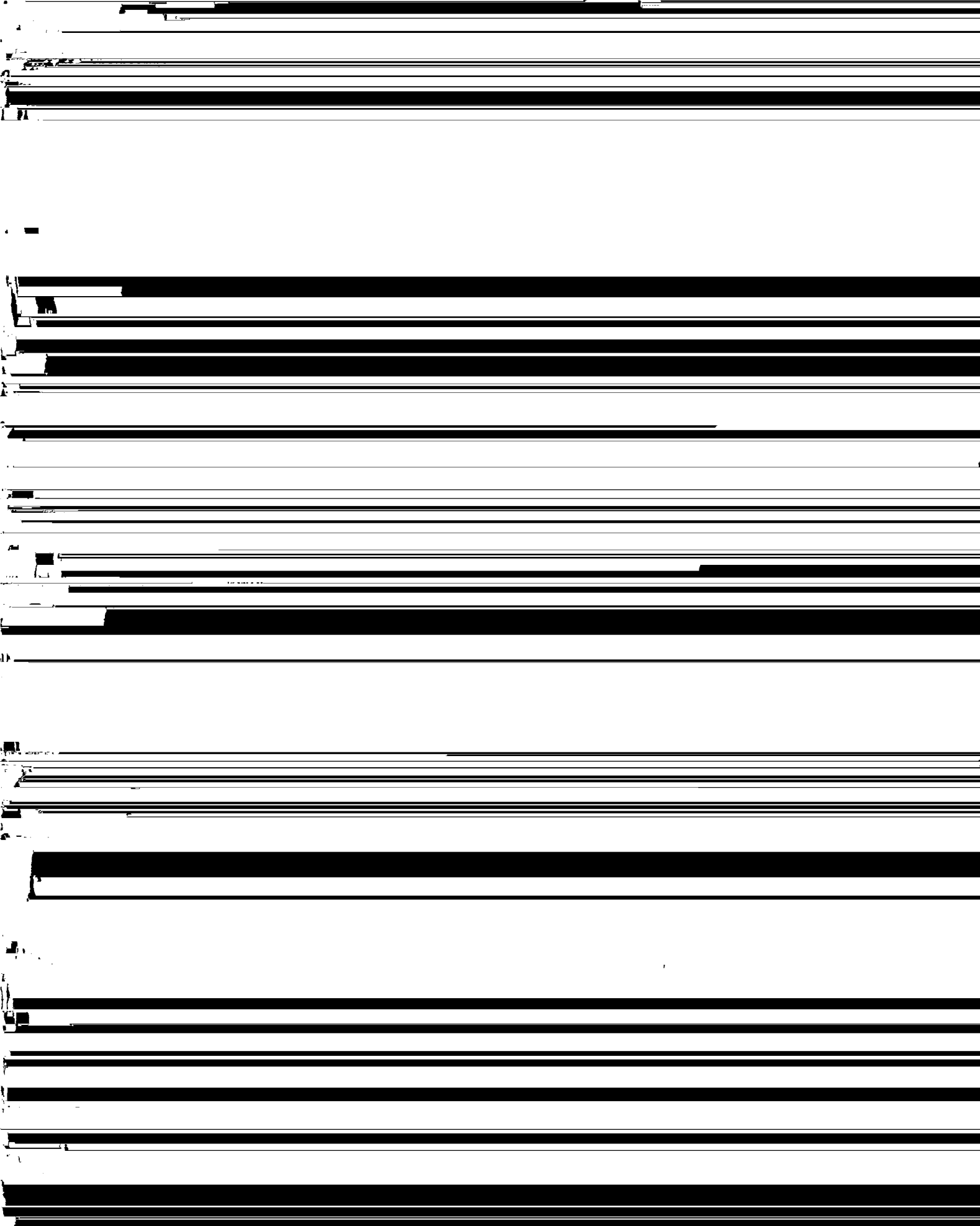
Steel business has encountered very rapid and drastic

basis of basic engineering knowledge in various fields of engineering such as mechanical engineering, elec-

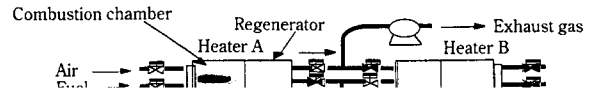
Abrasion
of bucket

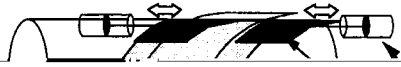
Bucket

Sprocket
wheel



applied to development of the ore charging device for sintering machine and to estimation of shape and distribution of blast furnace charging materials and has been





Drive side
Arbor

H-Shapes



Sleeve roll
Sleeve

Thrust bearing

Work side
Nut and screw

Table 1 Development of equipment management technology



Casting direction



technology on the basis of technologies developed for hot rolling equipment and technologies at Chiba and Mizushima Works. In addition to applying an advanced

Joint

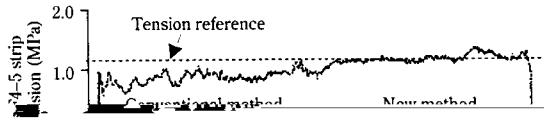
Joint

Joint

Joint

Joint

Gauge control



technology will also be advanced with further miniaturization and improvement of learning ability as seen in the appearance of pet robots and is expected to expand

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