

KAWASAKI STEEL TECHNICAL REPORT

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Outline of Advanced Total Inform

Outline of Advanced Total Information System

For Only Delivery of Mitsubishi Motors*

CONFIDENTIAL - SECURITY INFORMATION

the development of an advanced total information system for cold rolling has been in progress since 1981. Aims included the expansion of the system and im-

techniques and products with the help of increased efficiency in executing the jobs.
(3) Facilitation of Material Flow and Optimization of Production Lots

the development of an advanced total information system for cold rolling has been in progress since 1981. Aims included the expansion of the system and im-

PR : Printer
LP : Label printer

Table 1 System configuration, hardware and software

System	Item	Quantity	Note
Center computer system	Hardware		
	FACOM M-380	2	Central common machine
	CRT & Keyboard (Japanese)	8	Color CRT
	Printer (Japanese)	6	
	Business graphic display	3	

TABLE 2. Configuration of hardware and software.

System	Item	Quantity	Note
Tandem mill system	Hardware		
	HIDIC V90/50	1	5 MB
	CRT & Keyboard	5	
	Typewriter	2	
	Optical data highway system	3.0 km	
	FEP HIDIC 08L	8	5 : TA 2 : Pickling 1 : Cleaning

of quality and the improvement of yield due to a reduc-

Table 3 Contents of data base for experimental activi-

5.2 Reinforcement of Quality Assurance System

An important role is played by the computer system

Item	Contents
	(1) Preset data by P/C

Management and

(S) Relief of operator workload through the automatic

[REDACTED]

5.3 Facilitation of Material Handling

Figure 4 shows the flow chart of the pickling command.

When the material is not available in the stock, necessary material is placed

Material is not available for increasing productivity. Amounts corresponding to the capacity of the resource

as the coil passes each respective process.

(2) Coil Yard Control

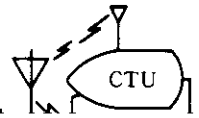
To improve the accuracy of coil stock control, a coil

Table 5 Relation between uniform build-up and non-uniform build-up

Reader	Comments
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When performed before the pickling command, this charge grouping permitted increased size of coils, leading to optimum charge grouping and coil loading to the

DHW



high efficiency and productivity throughout the [redacted] have been introduced. Consequently, the system is [redacted]

entire system development, assisted by the applica-

tion of support tools as mentioned below. [redacted] been functioning smoothly since start-up, and has

(2) Application of Data Controlling Tool

As a computer support tool for the information resource management of PRIDE, the data distri-

buted remarkable effectiveness, although still only recently inaugurated. New techniques developed and introduced into the total information system are being effectively used in subsequent [redacted]