

**KAWASAKI STEEL TECHNICAL REPORT**

No.19 ( November 1988 )

*Steel Pipe*

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**Automatic Machining System of Mechanical Testing Process**

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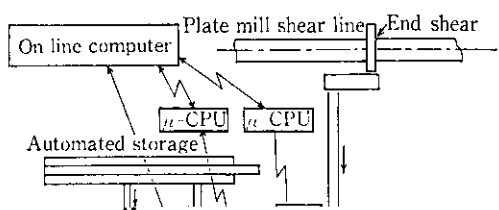
# Automatic Machining System of Mechanical Testing Process\*

*Synopsis:*

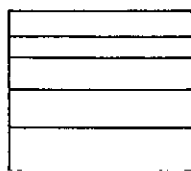
Plyte board



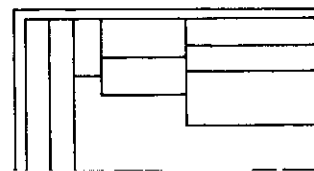
Central computer



Conventional cutting



Complex new cutting



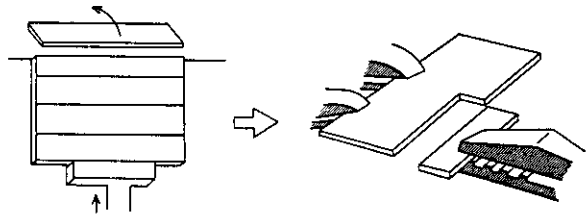


Table 2 Specifications of automatic gas cutting machine

Size of sample plate	
Thickness	4.5~50 mm
Length	120~500 mm
Width	300~880 mm
*1Strength	Less than 100 kgf/mm <sup>2</sup>

#### 4 Automatic Device for Thin Sample Plate<sup>4)</sup>

When testing sheet samples, specimens such as those for tensile tests, Ericksen tests, and hardness tests are

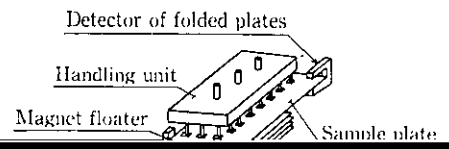


Table 4 Specifications of Charpy impact test speci- center portion in the lengthwise direction and a 3-digit

## 7 Results

The advantages of the new system are discussed

