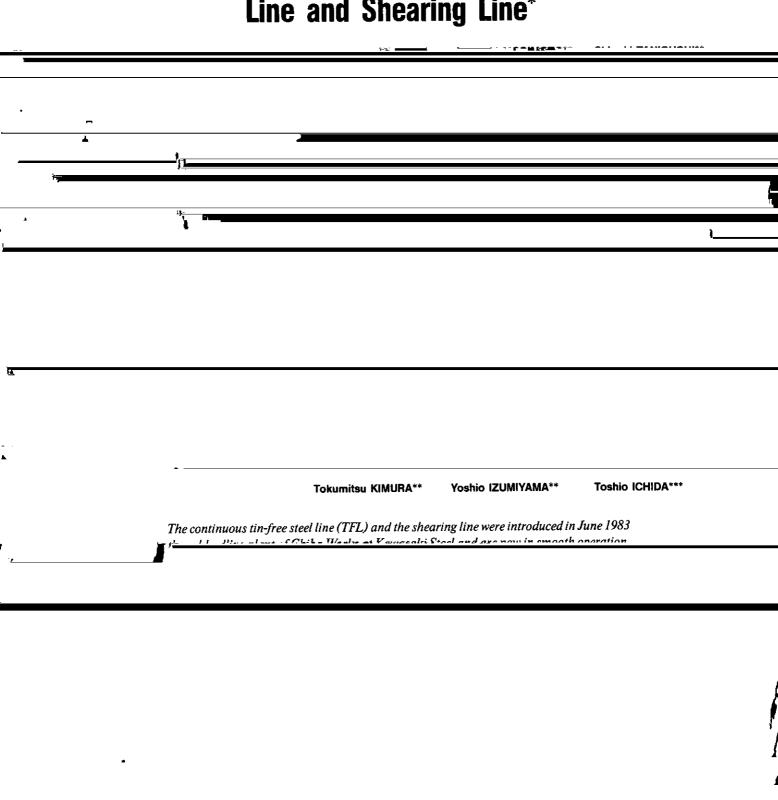
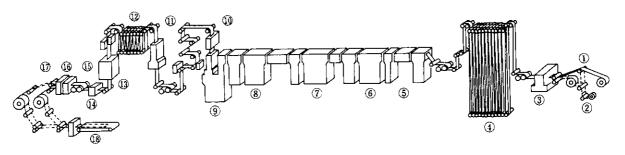
An Outline of New Continuous Tin-Free Steel Line and Shearing Line*



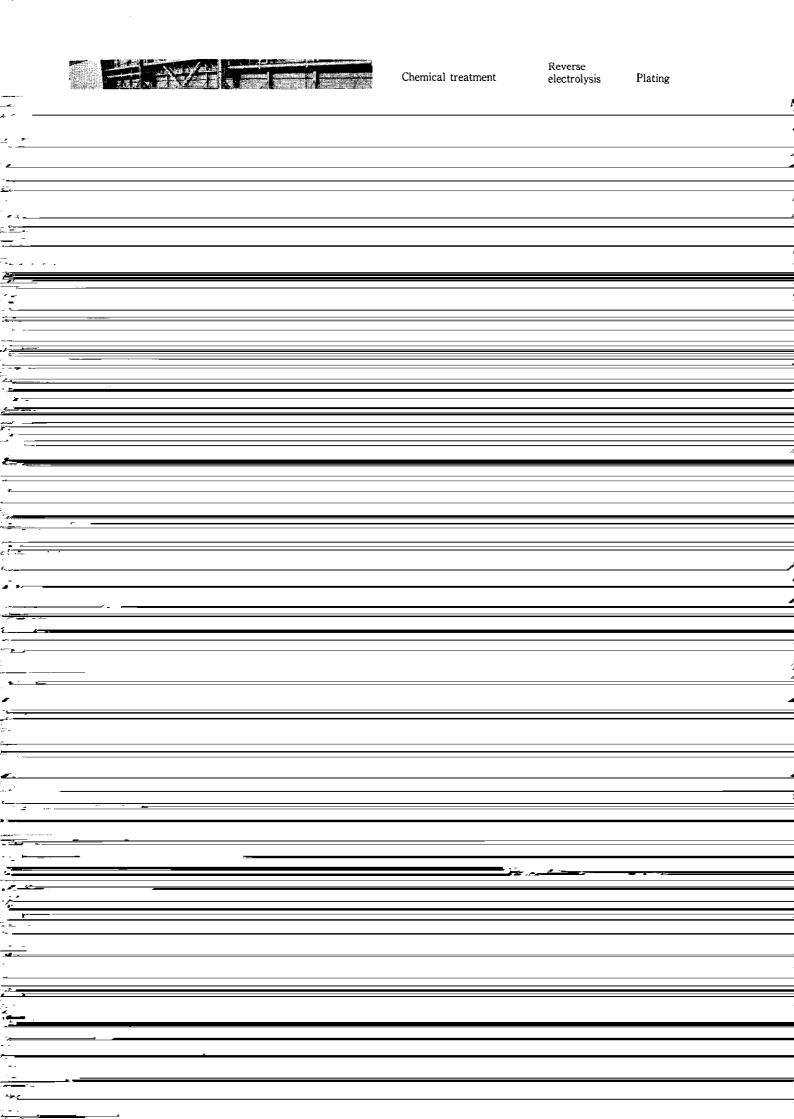


- ① No.1 and 2 pay-off reels
- 7 Plating tank
- (R) Chemical treatment_tank
- Inspection roomGauge stand

- - 4 No.1 looper ⑤ Cleaning tank
- 10 Dryer
- ① Oiler

- (6) Sheet sampling equipment
- No.1 and 2 tension reels
- Comfess immension toli-

Table 1 Specifications of TFL and shearing line FACOM M-200 On line numbers control <u> ተ</u>ሮ፣__



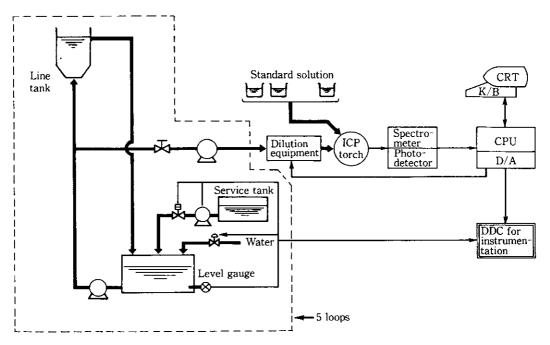


Fig. 5 Automatic concentration control system

DDC . The macagnful devaluement of this motor has

3.1.4 Automatic specimen sampling



permitted a stable manufacture of high quality products.

3.1.3 Overall quality control system

Since chromium coated steel is frequently used for

Formerly, specimens for testing the product quality have been taken by cutting out a piece from the outer layer of a wound coil by uncoiling it manually, which has posed some safety problems. In the TFL, a snip

matized. With the entry and exit section operations, mentioned above, mechanized for automation, and moreover, with automatized setting of electroplating conditions using process computer, a full automated

instruments, because the loop tended to cause strip vibration.

In the present shearing line, the NC shear is adopted and the strip is fed into the shear through a pinch roll.

skid at entry section comes out at exit section as finished ing tension between the bridle roll and the pay-off reel, product in full-automatic operation. The details of autothe loop from the entry side of the shear is eliminated⁴⁾. motion of antry and ovit ragition anarotions are shown

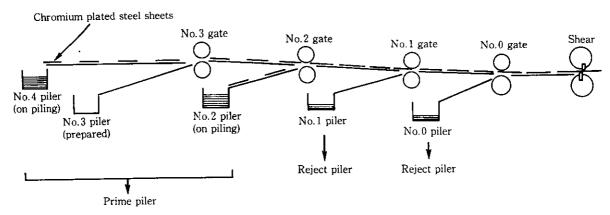


Fig. 7 Piling system of chromium plated steel sheets

