

KAWASAKI STEEL TECHNICAL REPORT

No.34 (March 1996)

Highly Efficient Production and
Application of sheet Products, and
Application Development in Open System's Age

High-Efficiency Production Technology at Mizushima Works No. 2 EGL

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Synopsis :

No. 2 electrogalvanizing line at Mizushima Works has been producing zinc-nickel electrogalvanized steel sheets and pure zinc electrogalvanized steel sheets mainly used for automobiles, household appliances, and structural frames since June 1991. No. 2 EGL was installed for the purpose of producing especially exposed panels for

High-Efficiency Production Technology at Mizushima Works No. 2 EGL*

Synopsis:

High-Efficiency Production Technology at Mizushima Works No. 2 EGL

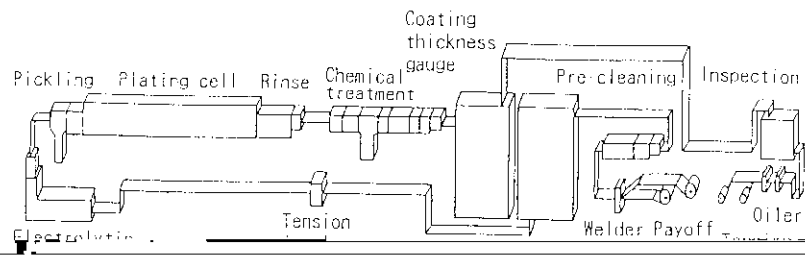


Fig. 1 Layout of Mizushima Works No. 2 EGL

Table 1 Main specifications of No. 2 EGL

Capacity	(t/month)	25 000
Max. line speed	(mpm)	160

2.2 Features

No. 2 EGL was constructed as a state-of-the-art line having the following features with the main objective of

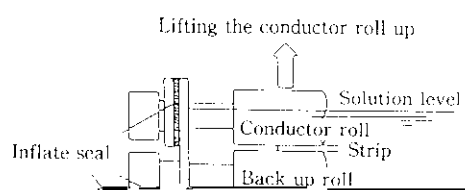
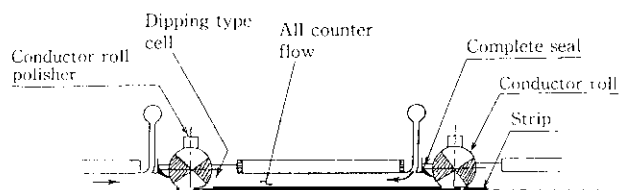
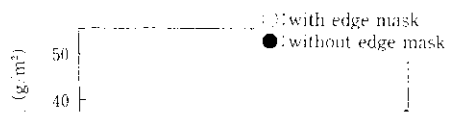


Table 2 Comparison of zinc ion source



Ion source	ZnCO ₃	ZnO	Metal Zn
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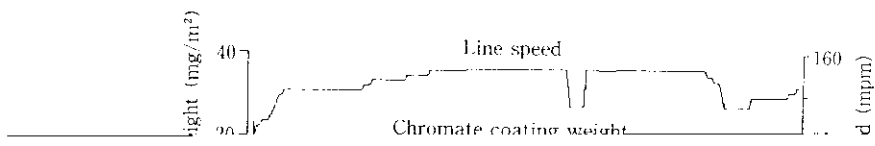
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Time (min)

Fig. 11 Trend of chromate coating weight

No.2 EGL
Coil storage