



News Release

June 27, 2016

NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD.

Receipt of Repeat Order of Air knife for Continuous Galvanizing Line for Ton Dong A of Vietnam

NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD. (NSENGI) (Shinichi Fujiwara, Representative Director and President) has received second order of Air knife「NSblade[®]*1 for Continuous Galvanizing Line (CGL) from Vietnam's Ton Dong A (TDA).

NSblade[®] delivers improved surface quality for steel plate and reduced running cost, features that have been demonstrated in iron works test plants in Japan. NSENGI has previously received several orders*2 from other overseas clients in Southeast Asia (i.e. Vietnam) and China.

With regards to TDA No.4 CGL completed by NSENGI and CN Steel Plant Engineering Co., Ltd.(CNSE) *2 on 2014, NSblade[®] has achieved thin coating operation during high-speed threading and produced high quality 55% AL-Zn products with wide coating range. As the result, TDA evaluated our technology and gave a repeat order of NSblade[®] for TDA existing No.3CGL line which supplied by other company.

We will continue to contribute to the business development of our clients by supplying technologies that create high added value.

【TDA No.4 CGL Actual Data of operation】

*1 NSblade[®]

**Airknife 「NSblade[®]」
for TDA No.4CGL**



Coil
**⇒Beautiful Surface appearance and
flat winding at tention reel
(For exported US products)**



Leading with Determination

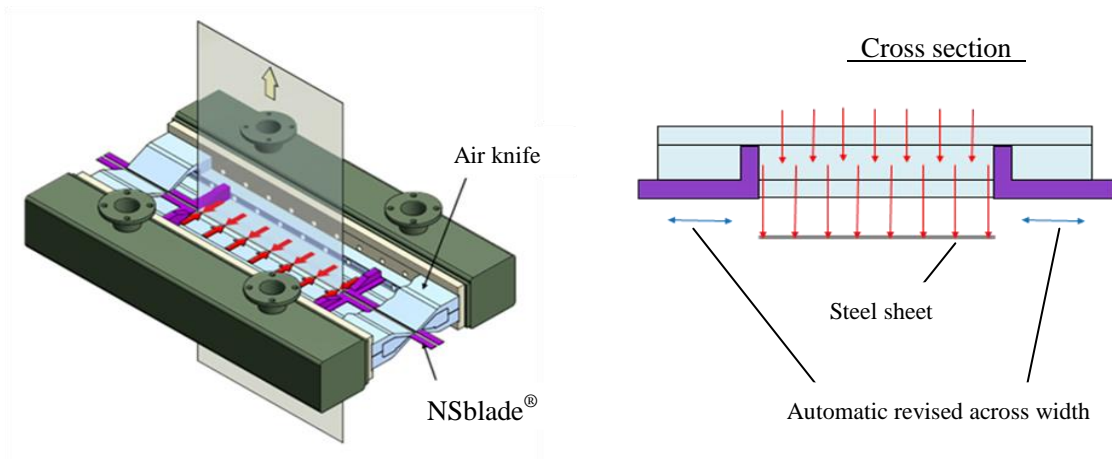
1) Overview

Wiping gas discharging from the air knife nozzle is jetted uniformly across the width of the steel sheet in accordance with the sheet width while preventing collision of jet streams at steel sheet edges. The width and position of wiping gas discharging is automatically revised based on the fluctuation of width and position of the steel sheet.

2) Features

- Suppression of Scattering of zinc onto steel sheet surface during wiping and uneven coating thickness from center to edges of steel sheet. that occur during high-speed threading. Enables improvement of steel sheet surface quality.
- Reduction in consumption of zinc and wiping gas.
- Suppression of Air knife noise.

Schematic



*2. Air knife「NSblade®」 supply record

Company: Vietnam, Thailand, Malaysia, China

*3 CN Steel Plant Engineering Co., Ltd. (CNSE)

The Joint Venture company established in Chongqing on 2009

- Equity ratio: NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD.: 51% (5.1 million RMB)
Chongqing CISDI Industrial Furnace Co., Ltd.: 49% (4.9 million RMB)
- General manager: Hideyuki Hayashi (dispatched from NSENGI)
- Business: Design, manufacture, equipment procurement, sales, etc. of steel sheet processing lines

<For more information, please contact below>

<http://www.eng.nssmc.com/english/ask/>