



March 18, 2022

Notice Regarding Sales Launch of “SANARC XZ Slider” Position Tracking System for Rotating Pipe Welding

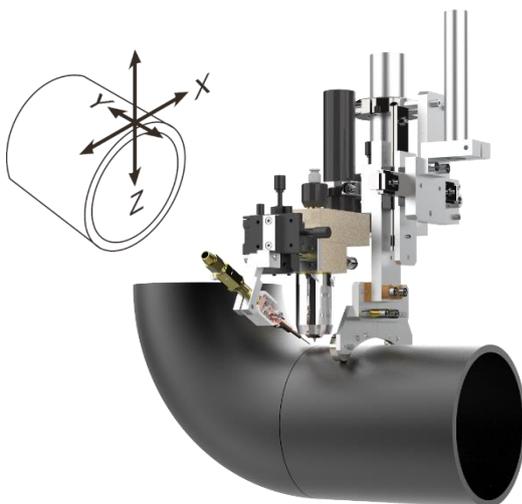
Taiyo Nippon Sanso Corporation ("TNSC", President: Kenji Nagata) hereby announces the sales launch of a welding position tracking system, “SANARC XZ Slider,” jointly developed with its Group company, Nissan Tanaka Corporation.

Rotating pipe welding is a welding method that uses rotational systems such as positioners. In these rotational systems, when fixing elbows and so forth, displacement from the axis of rotation causes misalignment of the position of the welding torch along both the x and z axis, which is a factor preventing successful automation.

The newly developed “SANARC XZ Slider” (Fig. 1) automates the wide-ranging and diverse rotating pipe welding operations, including elbow fixing, using a position tracking function capable of tracking in both the x and z axis simultaneously (Fig. 2, Fig. 3). This makes it possible to reduce labor hours and use of consumables, and to increase the efficiency of rotating pipe welding.

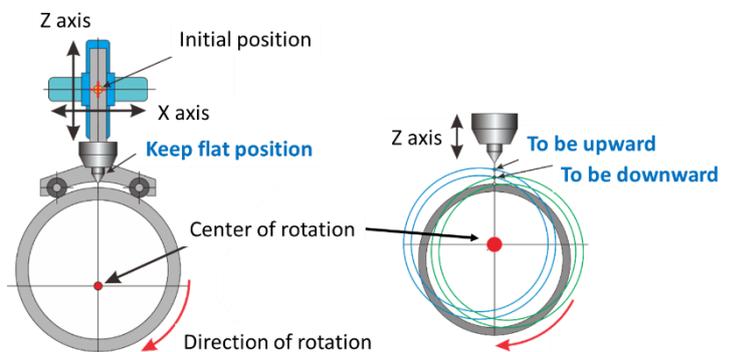
The product can be used as an optional attachment for the “SANARC DS-TIG Advanced Welding Torch,” launched in April 2021, which is capable of performing single pass TIG welding of 10 mm steel sheet without a groove.

We will exhibit the SANARC XZ Slider at the Japan International Welding Show 2022, scheduled to be held from July 13 to July 16, 2022.



The SANARC XZ Slider fitted with the SANARC DS-TIG Advanced Welding Torch

Fig. 1 The newly developed SANARC XZ Slider (Patent No. 6965470)



In conventional system the weld position change causes inconsistent welding results

Fig. 2 Newly developed system (left) and conventional system (right)

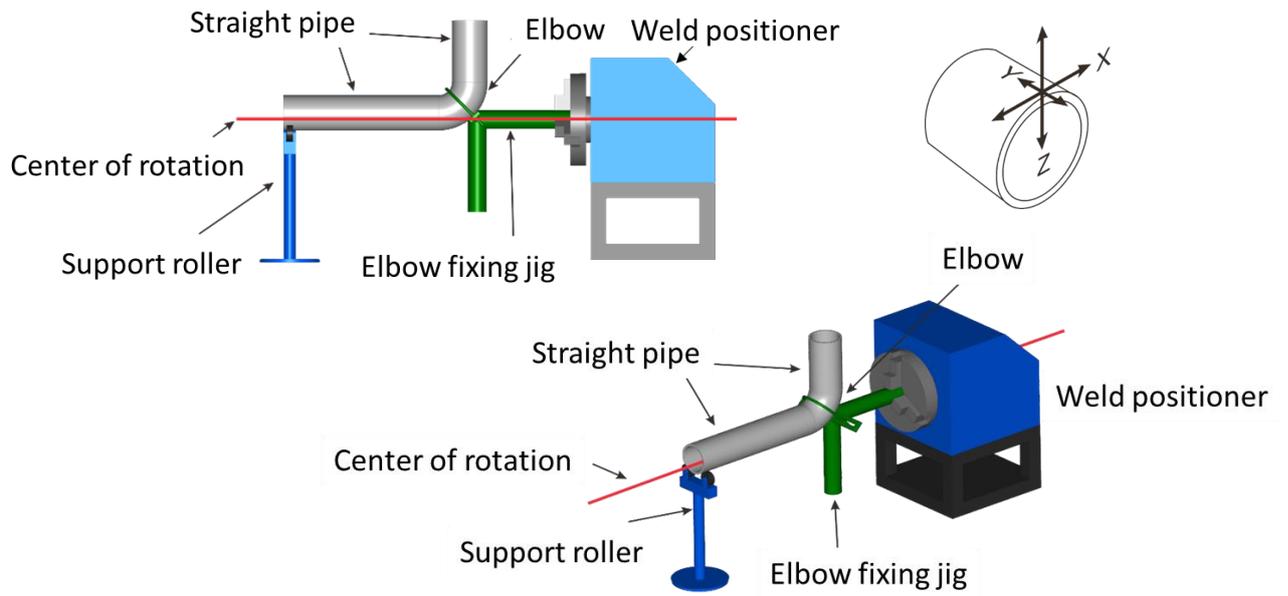


Fig. 3 Example of elbow fixing jig

Taiyo Nippon Sanso Corporation
Tnsc.Info@tn-sanso.co.jp