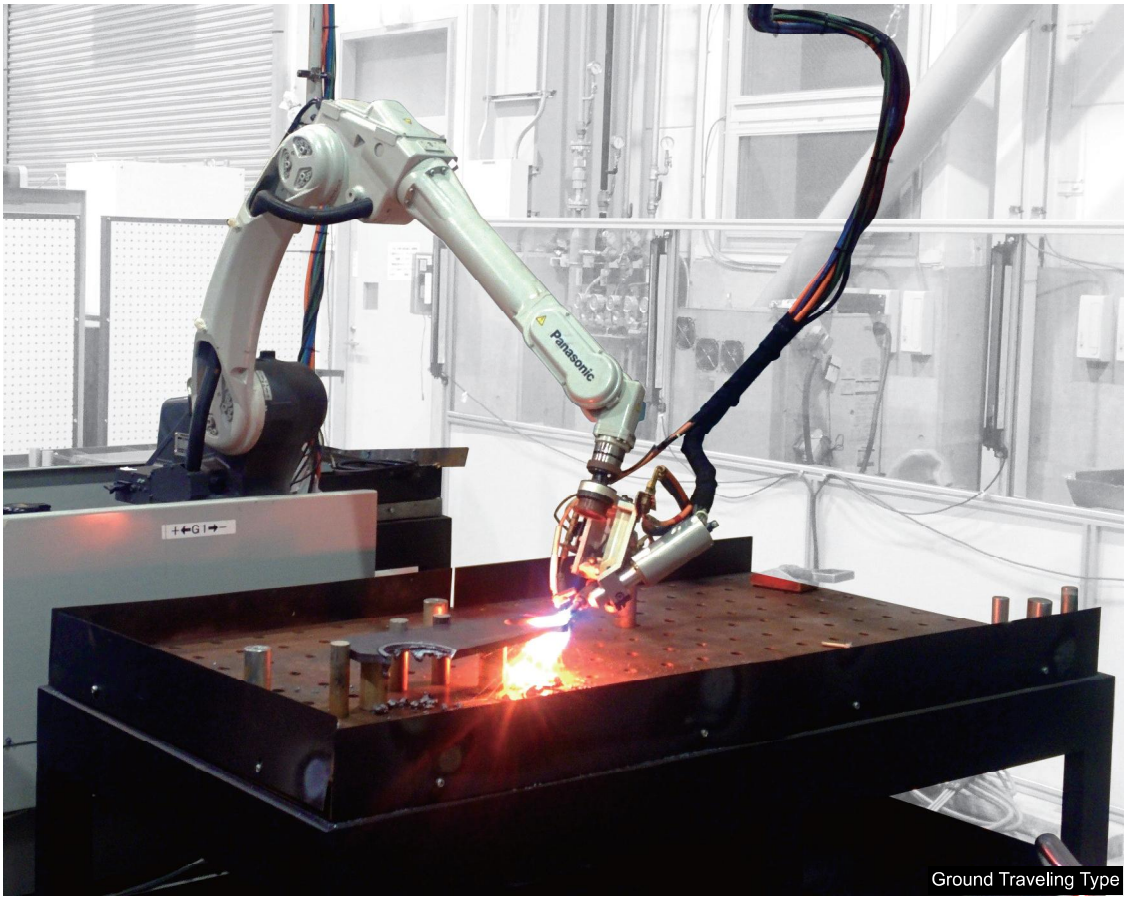
New proposal of Oxy-Fuel Beveling.

BEVEL MASTER

Specialized in the flame beveling of steel shapes commonly used in the construction machinery and shipbuilding industry. By combining a work piece touch sensor the part position deviation can be corrected.



Ground Traveling Type

Overview

High quality bevel cut is provided even in shapes that includes arcs by using the 6 axis articulated robot. KOIKE's 2D CAD/CAM software "KAP" is available in this system, and program for the robot can be created from the parts data. By connecting with KAP interoperability achieved is similar to a NC Cutting Machine, solving the problem of decrease of production efficiency due to the teaching work in the conventional robot operation.


Ceiling Mounted Type

Feature

- By adopting the 6 axis articulated robot, high quality and automated curved bevel cutting is possible.
- Offline automatic programming is possible, it is perfect choice for multi-product production.
- A Pin Cutting Table is used to support the work piece, there is no need for any work piece jig.
- The position deviation at the time of workpiece setting is corrected by the mounting of the touch sensor.
- Cutting of large work piece is also possible by using the Traveling Slider and Overhanging System.

BEVEL MASTER - Main Specification

Structure	Fixed Type	Ground Traveling Type	Ceiling Mounted Type
Robot Type	Panasonic TL-1800		
Touch Sensor	Sensing Probe Type		
Number of Motion Axis	6-axis	7-axis	
Effective Cutting Range	1000×1000mm	1000×4000mm	2000×6000mm
Max. Cutting Thickness	50mm (Please consult in case of thick plate more than 50mm)		
Max. Bevel Angle	45° Positive/Negative		
Fuel Gas for Cutting	LPG or SUPERCUT H (Hydrogen mixed gas)		
Hi/Low Switch	Yes		