

## Outline of Welding Robot and Welding Power Sources Business

Kobe Steel, Ltd. is an experienced manufacturer of robots for medium to thick gauge steel plates welding in a variety of fabrication industries such as construction machinery, railroad cars, architectural steel structures, bridge panels. KOBELCO currently holds the No.1 share for welding robotic systems in construction machinery fabrication in Japan and P.R.China.

## Welding Systems Construction Machinery

### ① Boom Welding System



#### <System configuration>

Robot slider	ARCMAN™-SR (suspended) two-axis integrated type (right-left and back-forth)
Positioner	Three motion drop-axis type for up-down, rotation and tilt, 4,000kgs payload
Remarks	Tandem welding (integrated-torch type)

### ② Arm Welding System



#### <System configuration>

Robot slider	ARCMAN™-MP One axis(right-left)
Positioner	One-axis head tail-stock type(rotation), 2,000kgs payload
Remarks	Groove-width tracking function

### ③ Base Frame Welding System



#### <System configuration>

Robot	ARCMAN™-XL (two-robot system)
Positioner	Five motion drop-axis type positioner for slide, pivot, up-down, rotation and tilt, 2,000kgs payload.
Remarks	Automatic work piece conveying system

### ④ Bucket Welding System

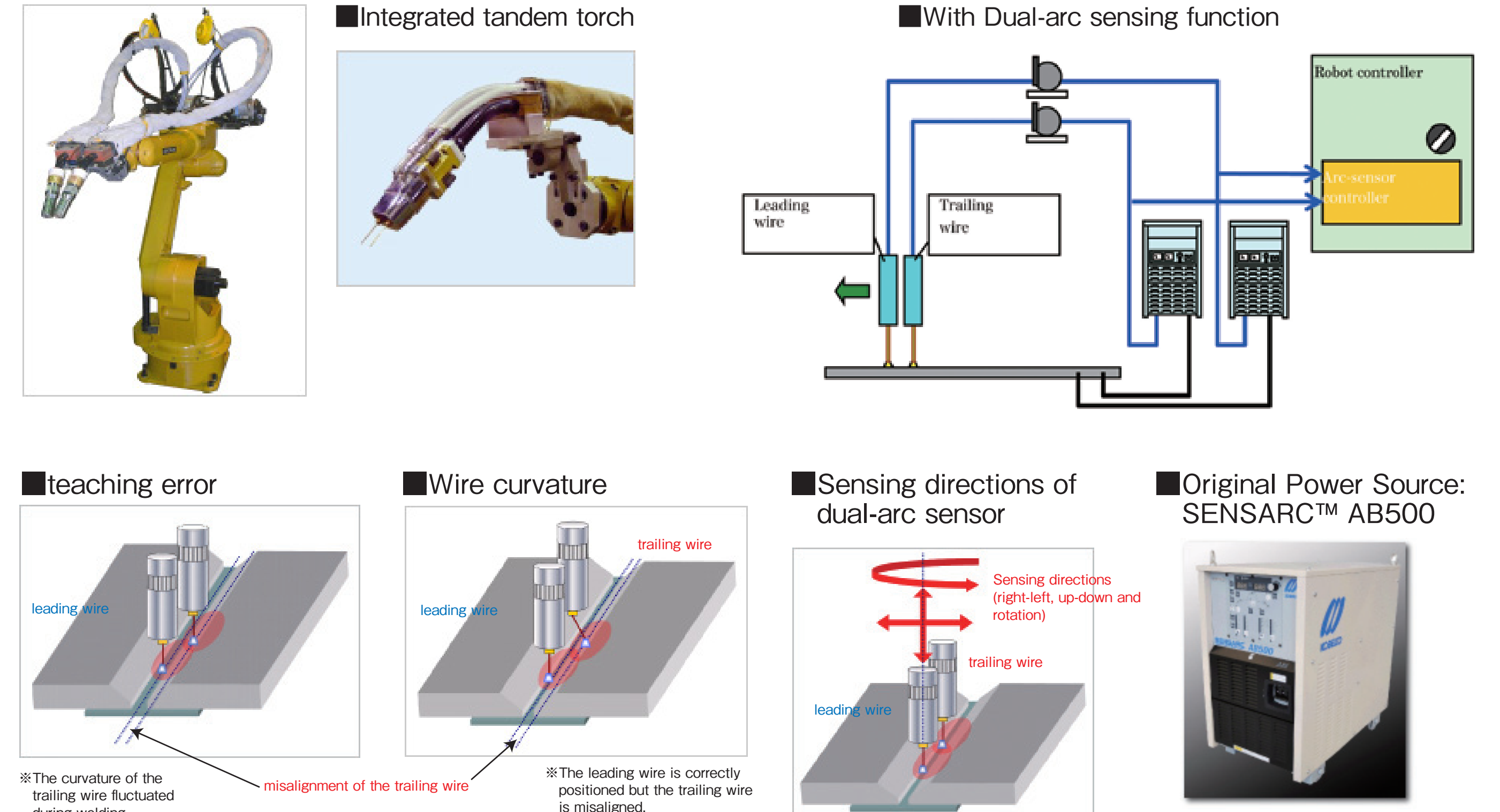


#### <System configuration>

Robot slider	ARCMAN™-MP Two-axis integrated type (right-left and back-forth)
Positioner	Drop-Axis three-motion-axis type (rotation, tilt, up-down), 2,000kgs payload

## Dual-arc sensor function

Dual-arc sensor detects a change in the welding currents of the leading and trailing wires to adjust the misalignment of both the leading and trailing wires. This function directly leads to the improvement of weld quality and reduces the need for repair welding.



## Looking for A Partner in India

As part of our entry into the Indian market, we are looking for a local partner to assist us in providing maintenance and after sales service to our customers.

#### ■ Job Responsibilities

- Act as business contact for user maintenance (information gathering).
- Parts replacement (mainly for hardware : welding robot, control panel, and peripherals)
- Stock, sales and inventory control of spare parts and consumables.

#### ■ Service Area

- Around Chennai ~ Kolkata areas.

#### ■ Necessary Experience

- Have experience in performing welding robot maintenance
- Knowledge of and experienced in mechanics.
- Knowledge of and experienced in electricals

#### ■ Remarks

- We will provide maintenance training for personnel
- We will also provide support via telephone and email.
- Our partner in Thailand will also provide support whenever necessary