SPECIFICATIONS

Robot
ARCMAN™ A60

Welding Power Source
SENSARC™ **RA500**

Positioner
Load Capacity : 33,000lb

Slider
Linear Stroke
>Left-Right : 59.06ft
>Back-Forth : 78.74in

Welding Wire
FAMILIARC™ MX-50R

Seismic Arc AWS D1.8

Code   : AWS A5.20 E70T-1C
Diameters   : 0.052"
Shielding Gas : 100% CO_2

Beam Size
Length : 59.06ft(Max) 13.12ft(Min)
Heigh : 32.75in(Max) 13.78in(Min)
Shape : W30×357(Max) W14×61(Min)

Welding Joints

Horizontal, Fillet(Leg length)   : 0.20 - 0.63in
Flat, Single Bevel Groove   : 0.66 - 2.30in
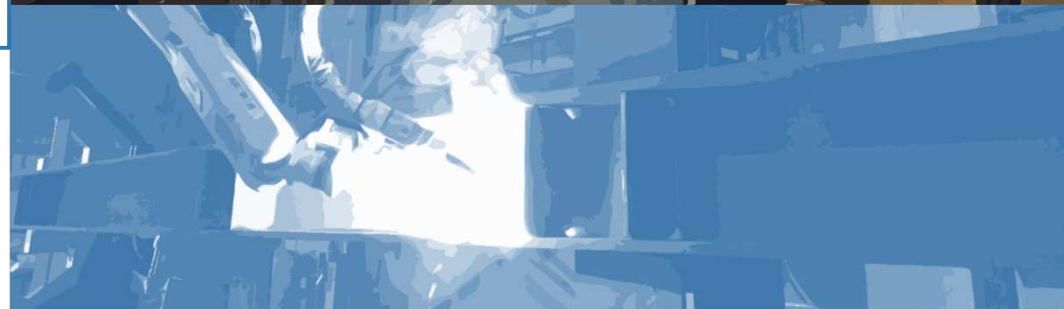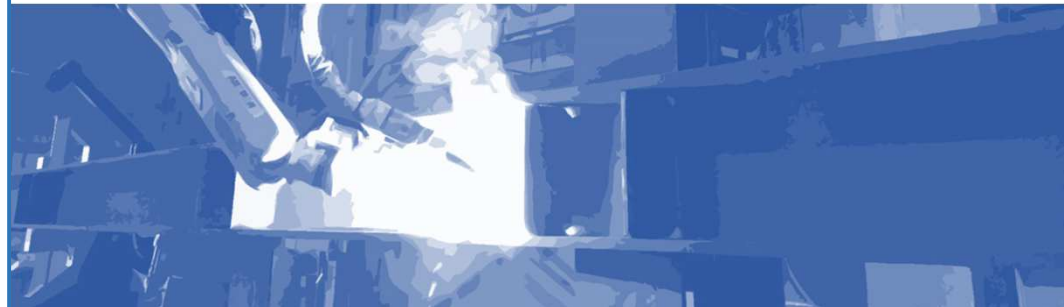Horizontal, Single Bevel Groove : 0.66 - 1.28in

KOBELCO

WELDING ROBOT

ARCMAN™

STRUCTURAL STEEL WELDING ROBOT SYSTEM
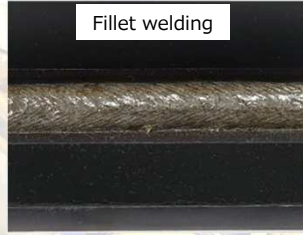
KOBELCO, the only complete welding solutions company

✓ More than 2,500 Structural Steel Robot Systems have been installed throughout the world.
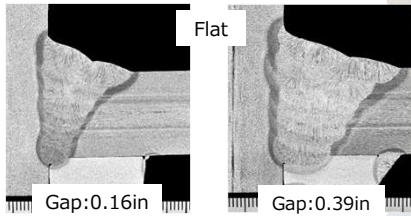✓ All equipment is designed and developed by KOBELCO

Increased productivity

Our superior welding process increases your productivity.
Applicable weld joints are not only fillet but also **CJP groove**.
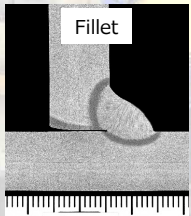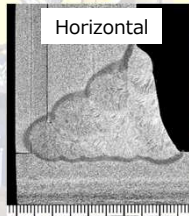
CJP Groove welding

Fillet welding

Flat

Fillet

Horizontal

Gap:0.16in

Gap:0.39in
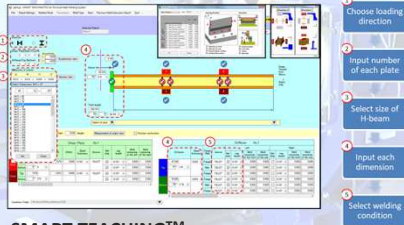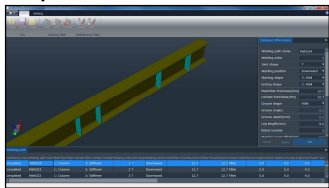
Easy to use

You need no programmer and can choose the best way from the two type of software. All you need to do is to input minimal information.

3D CAD-Link
Only few steps to make a welding program. Input CAD data, software automatically recognized all welding joints and size of each plate. Select the joint and software, makes collision check before generating welding program data. Welding condition or size are adjustable in the software before sending data to SMART TEACHING™. Operation is extremely easy and complex welding will be realized.

SMART TEACHING™
Dimension of wide flange beam and leg length (welding condition) are all listed. Choose the type of welding joint and its size. Only minimal information input is needed, and all work data can be viewed in the input diagram. No need to make a programing data on-site. SMART TEACHING™ software generates each program and welding conditions automatically.

Input model

Choose joints

Check collision

① Choose loading direction
② Input number of each plate
③ Select size of H-beam
④ Input each dimension
⑤ Select welding condition

Highly automated production

You need no monitoring, as our peripheral equipment provides continuous production.

Wire cutter
Automatically cuts the welding wire to adjust stick out length for continual welding.

Nozzle auto changer
Changes welding nozzle (Short and Long) for joint adaptation.

Slag removal attachment
Automatically changes tool from welding torch to Needle gun for automatic cleaning.

Welding power source
High performance digitally controlled welding power source for robotic welding.

Welding wire
Excellent weldability and efficiency in flat and horizontal welding with ARCMAN™.

Controller and Software
Specially designed welding system controller and software for easy operation.

Provide complete welding solution

We can provide the highest quality, as we manufacture are own equipment and consumables.

ARCMAN™ A60

SENSARC™ RA500

FAMILIARC™ MX-50R