

Wel-Handy Multi Next is a high performance welding carriage equipped with a powerful driving engine and able to achieve many different welding applications. Due to the newly developed gearbox, the durability of the series best driving system has been secured.

Stable running becomes available by the adsorption power of permanent magnet and the 4 wheel driving system. Also equipped with the industry's top class magnet of 50 kg to support any kind of welding positions.

In addition to the standard specification, special welding such as tack and weaving have been prepared. Moreover, by combining various options such as guide roller, twin torch modules, customization according to the requirements of the site becomes possible.

Tack and weaving as the high function types, are both equipped with high end controllers. Numerically controlled by digital display, all parameters are changeable during welding process.

Wel-Handy Multi NEXT

Drive welding carriage

 **KOIKE**
Your cutting needs – achieved.



Tank welding with the help of turning roll



Curved corner welding by torch extension arm and weaving unit

Wel-Handy Multi NEXT

Features

■ New development

Powerful Driving System

Highly durability gear box with maximum torque required.

■ New development

Light action lever for up/down

Patented technology, magnet slide type lever vertical mechanism allowing you to detach the magnet with a light force.

■ Industry leading adsorption power

The carriage is equipped with a top class level 50 kg magnet in combination with the 4 wheels rubber roller providing reliable and stable traction.

■ Start point adjustment function with easy start positioning

Our patented technology of "low speed positioning function" is adopted. If pushed the limit switches, carriage will run at a very slow speed. You can then adjust to the welding start position without lifting the carriage.

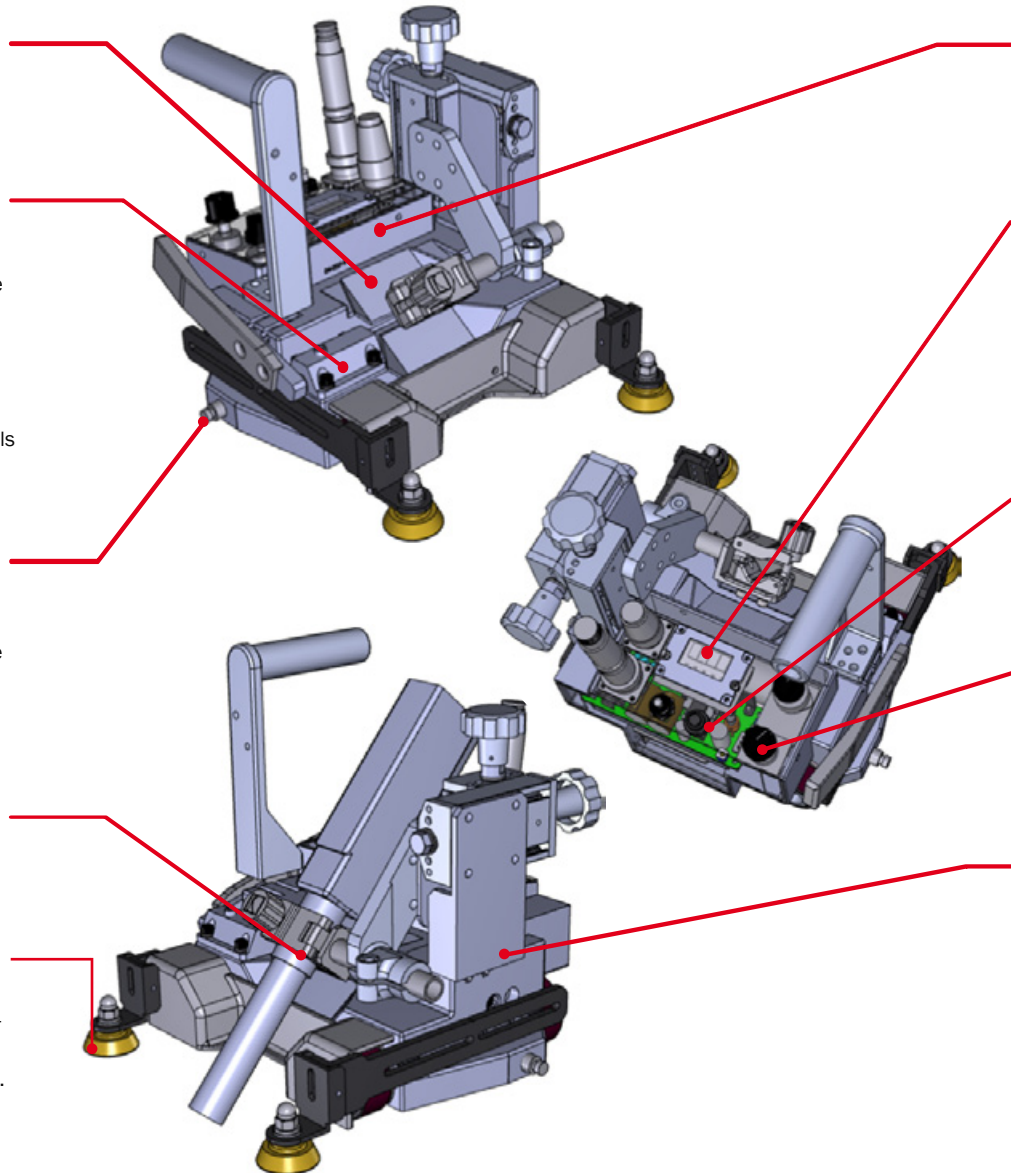
■ New development

Straight torch / curved torch all in one

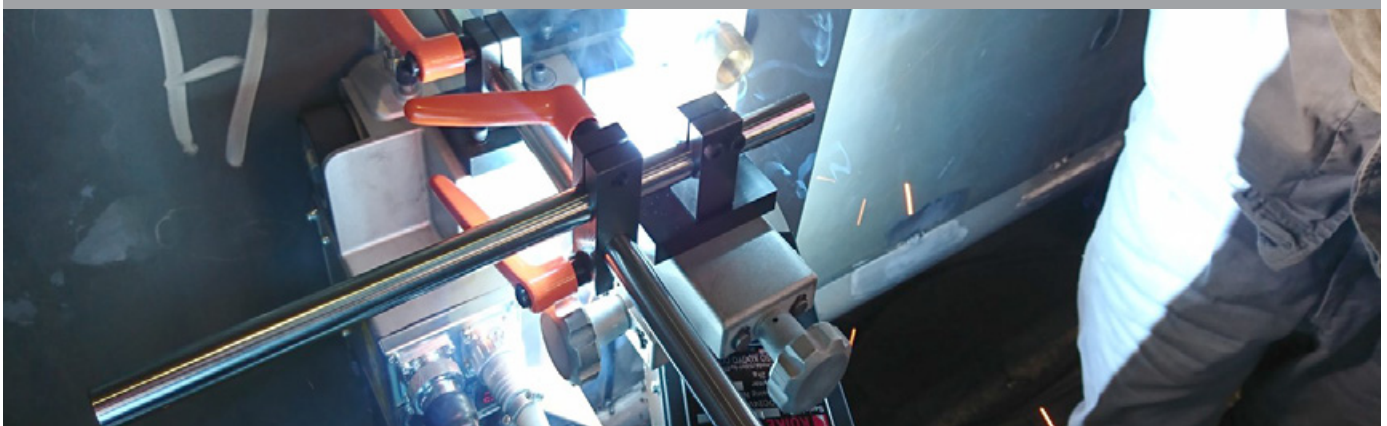
Adjustable diameter torch clamp for straight and curved torch.

■ Guide roller used for multiple purpose

Wide range of set up, vertical / horizontal direction, either on the front or rear of the machine. It can be used for various applications such as vertical, edge guiding and many more.



Upward butt weaving welding combined with arm extension option



On various sites

Welding carriages contribute to labor saving at the manufacturing site with long welding lengths. Wel-Handy Multi series is used for various purposes besides fillet welding.

Here we introduce some application examples with the combination of options.



■ New development

High durability body made of aluminum die-casting

A new die-case to improve usability and expandability is now designed.

■ Control device with excellent stability and expandability

The control unit is equipped with "L-system" which has proved from Wel-Handy Multi II. This system is an original of KOIKE which connects PCB each other with high scalability. By adding or combining PC boards, various functions are available, such as tack welding, weaving welding, and tandem welding.

■ Control panel

Control panel is slightly tilted to make the digital display easier to see, the switch arrangement is made to be operated even with gloves on.

■ Auto stop function stops at overload

If overload occurs while machine's running due to interference with obstacle, weight etc. arc and machine will be stopped in order to minimize damages on the machine and material.

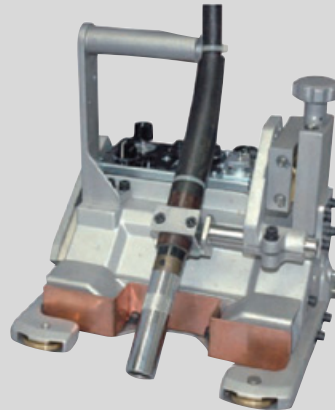
■ New development

Easy slide unit with optional layout

By adopting rail slide mechanism, makes it easy to install various equipment and options. Also increasing the reach strokes vertical / horizontal of the torch.

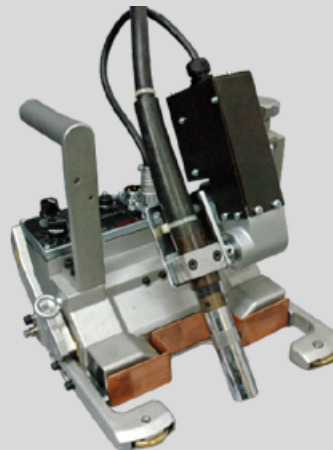
Wel-Handy Multi NEXT Tack

Tack welding is available by alternately repeating welding and moving. The idling sections are traveled at maximum speed in order to decrease the production time.



Wel-Handy Multi NEXT Weaving

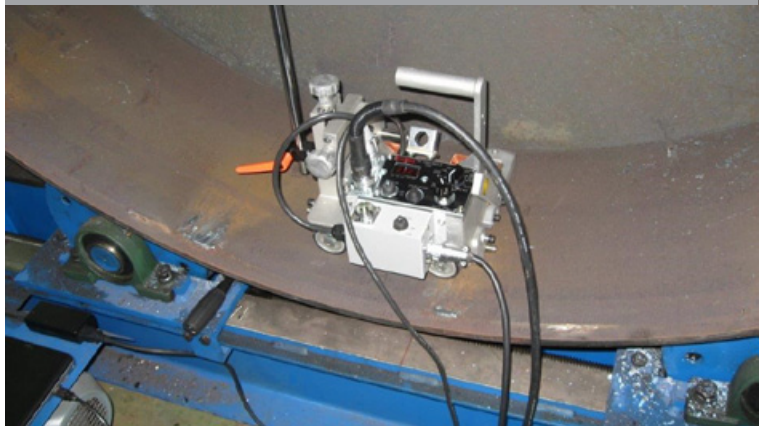
By mounting the weaving unit, a large leg length can be earned when weaving the torch left and right. Upward welding while climbing the wall is also supported, equipped with a powerful magnet.



Two torch welding by twin torch option



Tank welding with help of turning roll



Wel-Handy Multi NEXT main specification

Model name		Wel-Handy Multi NEXT Tack	Handy Multi NEXT Weaving Welding
Driving system		4 Wheel driving	
Gap (floor ~ bottom)		5.5 mm	
Magnet up and down mechanism		Magnet release/ LIGHT action lever at body side	
Magnet type		Permanent magnet (strong 50 kg)	
Travel speed		50 - 1500 mm/min	
Tracking method		Vertical tracking by guide roller / edge tracking by guide roller	
Applicable posture		Horizontal fillet & inferior fillet	
Start interlocking welding		○	
Automatic stop by limit switch		○	
Arc test		○	
Arc stabilization time (sec)		0 - 10.0	
Crater current correspondence		○	
Tack		○	
Weaving	Weaving speed (mm/min)	400 - 1500	
	Weaving width (mm)	0.0 - 100.0	
	Stop time on left, middle, right	0.0 - 10.0	
Body weight (kg)		8.8	10.8
External dimensions W x D x H (mm)		280 x 280 x 250	310 x 280 x 250
Input power supply		DC 24V	

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