High-quality Multi-function and Multi-purpose Welding Machine "Welbee Inverter P350L" Receive a Favorable Reputation

DAIHEN Co., Ltd.

DAIHEN Co., Ltd. launched the "Welbee Inverter P350L" (WB-P350L) digital inverter controlled pulsed MAG/MIG and CO_2/MAG/MIG welder in October last year as a new lineup of "Welbee Inverter Series", and has been steadily increasing sales results in Japan and overseas markets so far.

WB-P350L delivers the best performance in all kinds of welding, from various materials such as steel, stainless steel, and aluminum, as well as thin plates to medium-thick plates. It is not only the expansion of functions for automation such as robots. In the semi-automatic welding field, the unique welding control LSI "Welbee chip" realizes high-precision wire feed control by digital communication with the wire feed system, and can also be combined with "RAKU RAKU Torch (pull torch)" and "RAKU RAKU Feeder (inline assist feeder)" to reduce the burden on welding technicians. Proposals including peripheral devices that respond to various issues at welding sites are actively being made.

Main features of Welbee Inverter P350L

WB-P350L is multi-purpose welding power supply that can cope with all materials of mild steel, stainless steel and aluminum alloy, and has a variety of welding modes built in allowing welders to achieve stable welding with less spatter by using the appropriate mode. For example, CBT-EX(Controlled bridge Transfer-Expanded) mode, which is DC low sputter mode, is best for when significantly reduction of sputters is required, DC pulse mode is suited to application where deep penetration is required, such as ensuring joint strength, DC Wave pulse mode is suited where more precise heat input control is required depending on the joint, the material and the presence of gap.

Digital inverter controlled pulsed MAG/MIG and CO_2/MAG/MIG welder "Welbee Inverter P350L"

DAIHEN's unique CBT-EX mode drastically reduces sputter not only in low current zone, but also medium current zone. Sputters decreases to as well as MAG welding in CO_2 welding, to the limit in MAG welding. Since large sputter balls generation is reduced, there is little adhesion to the base material of sputters, reducing the removal man-hours, and improving productivity.

In DC pulse/DC wave pulse mode, "Welbee chip" provides optimal pulse waveform control for each welding material to achieve the highest quality pulse welding. Excellent adaptation to surface-treated steel such as galvanized steel sheet and less sputter welding from low current to high current zone can be achieved.

WB-P350L is equipped with DC TIG mode and DC STICK mode as standard. TIG mode (for touch start only) can be used by using TIG solenoid valve kit (optional), and DC STICK mode corresponds to electrode diameters of 1.6 to 6.0 ㎜.

Releases a New Series "TIGCON" Which Is Able to Perform the Current Control on Hand When Performing TIG Welding!

HIDE Co., Ltd.

HIDE Co., Ltd. (Osaka, TEL : +81-6-6784-5481) is the steel metal welding processing manufacturer who is good at "Special metal to which other competitors fight shy of getting work".

In addition to general metal such as iron, stainless, aluminum and the like, the company is dealing with from the start to development of original jig tools in order to "Realize the welding quality to the full extent by ourselves" also against special metal such as titan, inconel, cobalt alloy, magnesium and the like.

Among others, the "TIGCON" Series are getting popular which can perform the current control on hand (through the remote control equipped with torch) at the time of TIG welding.

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▷ **"Ultra short time arc spot system","TIGCON-T Spot"**

Enables to control the arc spot time being equipped in standard with the welding machine further in a short time.

Although the timer can be set from 0.001 sec. to 0.999 sec., it is the problem of the capacity of the welding machine, and becomes to adjust from 0.01 sec. to-and-fro at the shortest time. In the standard TIG welding machine, the welding time is to be 0.1 sec. at the shortest time, the arc spot time is possible to shorten up to 1/10.

As a result, it can be able to realize the welding such as very thin member and thin plates "without melting down".

▷ **"Pulse output of laser welding machine and the system to make the same status" "TIGCON-T Pulse"**

In the pulse of standard welding machine, since the output is being made also in low current, the heat input is being continued. On the other hand, this product is repeated ON/OFF, at the time of OFF, the heat input is possible to stop at 100%.

By means of timer setting, setting ON time and OFF time is possible from 0.001 sec. to 0.999 sec. at the shortest respectively. (※ The welding machine will not react only from 0.008 sec. or so.) Since the output time can be set to the ultra-short time, in particular, when welding the thin plates, you can come to realize the welding with low distortion.

Furthermore, likewise "TIGCON-TSpot", the change between the normal welding and the pulse mode can be possible to switch only by one switch.

Ultra-short time arc spot system "TIGCON-T Spot"

"TIGCON Complete" which 2 units of "TIGCON-T Spot" and "TIGCON-T Pulse"

▷ **"TIGCON-T Complete" system which brought together into one package for these two products.**

Take for example, the environment which is able to work simply even if it is the general-purpose TIG welding machine when performing "Fine-grained welding", such as temporary attachment of thin plates in spot-mode and permanent attachment in pulse-mode.

Not only fine-grained welding but also it becomes possible to "Weld the general thickness materials with low distortion", that flatters the challenging spirits of the TIG welder and its product becomes a large potential possibility.

Furthermore, in the company's home page (https://hide-wel.co.jp/), the detail information is to issue in such as "Connection cable", "Welding sample","Video of operation check","Inventory status", "Price" and the like.

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