WECO

WELD THE WORLD

Discovery 172 T

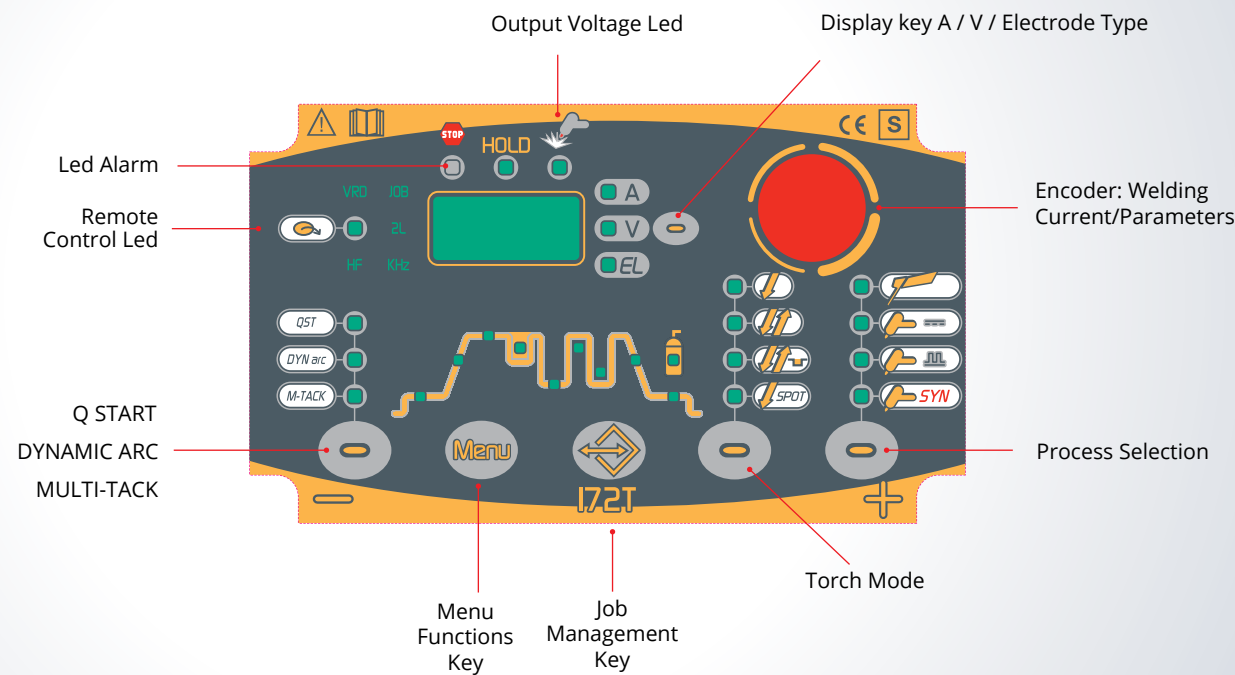# Discovery 172 T
TIG DC HF - MMA

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Discovery 172 T is an innovative Single-Phase Inverter Power Source for TIG DC.
Discovery 172 T is specifically designed for high definition construction, petrol/chemical plants, food& beverage industry and shipyards.
Remote controls are available for torch (UP&DOWN, potentiometer), foot pedal or remote control unit. 50 programs in memory.

- Output Voltage Led
- Display key A / V / Electrode Type
- Led Alarm
- Remote Control Led
- Encoder: Welding Current/Parameters
- Q START
- DYNAMIC ARC
- MULTI-TACK
- Process Selection
- Menu Functions Key
- Job Management Key
- Torch Mode

Discovery 172 T

⊐⊏⊐	1x230Vac ± 15% @50-60Hz
▭	16A
⌇	TIG - WIG / MMA - E-Hand

%40°C	40%	60%	100%	50%	60%	100%
▸I₂	170A	150A	130A	150A	130A	120A

I_2	5A – 170A	10A – 150A
U_0	53V	
P_{1MAX}	6,1kVA – 4,5kW	
IP	23S	
↙	400 x 160 x 260mm	
🗑	8,6Kg	

TECHNOLOGY

POWER INVERTER INSIDE

PROCESSES

MMA   TIG

SPECIAL FUNCTIONS

SYN   2,5KHz   Q START   MULTITACK 0   Dynamic Arc   Q Spot

MATERIALS

Mild steel   Stainless steel   Copper

INDUSTRIES

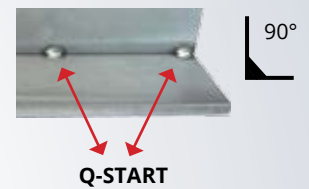Maintenance   Shipyard   Pipe welding

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2,5KHz — The pulse TIG with frequency up to 2500Hz allows the operator to weld very thin materials with easy arc control and very low heat input on workpiece.

SYN — Pre-set balanced parameters, stored in the Synergic Pulse TIG DC SYN curve, help to simplify Pulsed welding process. The Pulse is altered automatically when the welding current is adjusted.
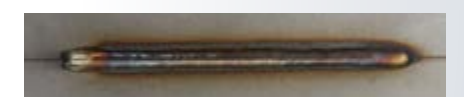
Q START — The **Q-START** (Quick start) function facilitates the joining of the parts in the initial stage of the welding process. On activating this function the machine automatically switches to Synergic pulsed mode for a preset time.
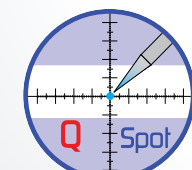
90°

Q-START

Dynamic Arc — The **DYNAMIC ARC** function makes it possible to keep the pre-set Voltage x Current constant. The power source increases the welding current as the arc voltage decreases and reduces the welding current if the arc voltage increases.

90°

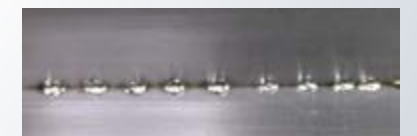Dynamic Arc TIG welding   Standard TIG welding

Q Spot — The **Q-SPOT** (Quick Spot) function makes it possible to minimise tacking times for light gauge sheet metal.
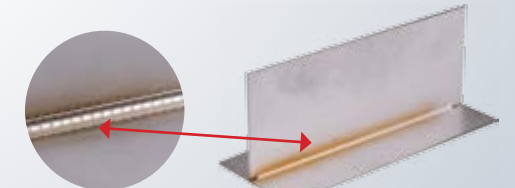
Corner spot welding thichness 0,6 mm

Pipe butt weld Ø 31.75 x 2 mm

90°

MULTITACK 0 — The **MULTITACK** system makes it possible to reduce heat output while joining two light gauge parts.

ACCESSORIES

FOOT PEDAL   **UP & DOWN TORCH**   **REMOTE CONTROL**

A solid industrial activity, where the production is based on substantial investments for the supporting of research, projection and continuous testing.

Since 1997 Weco has been producing and selling welding machines.
Both registered office and production plant are based on the north east of Italy. Our offices, technical/project department, production and warehouse are able to serve both our national and international sales net. A wide range of welding machines together with a huge stock, allow us to encounter and fully satisfy our customers´ requests in short time.
A dynamic management supported by solid experience on the main sales´ arguments and a deep knowledge on the application issues, allow this company to be ahead in the welding sector.
WECO means better solution for improving the production, optimizing the intervention time, minimizing the processes´ costs, with the highest perform-standards granted.

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WELD THE WORLD

Dealer