

Integrated Transformer Type Guns



TECNA WELCON
INDIA PRIVATE LIMITED

Years long Experience Cast into the Future...!

Green Line

The image displays two perspectives of the Green Line industrial welding power source. The top view shows the front of the unit, featuring two copper output nozzles and a black handle. The bottom view shows the side of the unit, highlighting a single copper output nozzle and a black handle. The device is primarily silver and black, with yellow warning labels.

Welding is a power hungry process. Be it in any form. Optimizing power consumption in Resistance Welding Process has never been more effectively addressed than these machines.

Compact Line

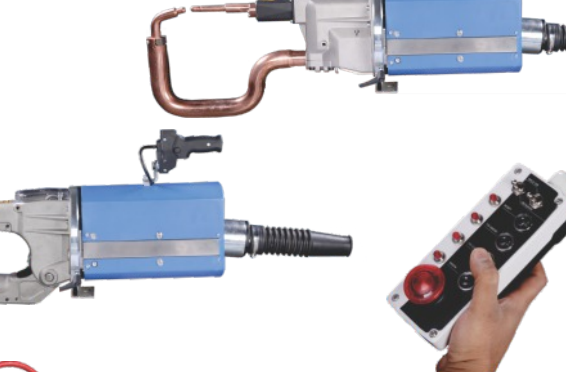
High Force Line (HSS Ready)



With the introduction of High Strength Steels in automotive application, it has become necessary to deploy machines capable of delivering higher electrode force. Specific difficulty is in applications needing longer arm lengths.

Naturally, as a proactive machine maker, we are here, ready with the machines equipped with high force cylinders to address this issue.

Off-board Control

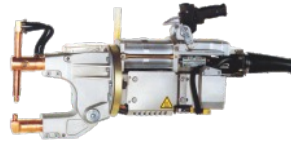
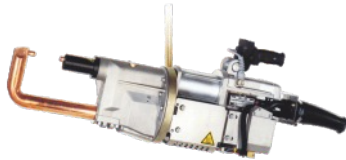


This range is designed, to cater to specific needs, Equipped with microprocessor based controller TE550, this option

Caribus.

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MEDIUM FREQUENCY DC GUN



Main Features

- Significant Energy Savings
- Improved and Consistent Power Factor
- Automatic Load Distribution
- Welding is Tolerant of Electrical Line Disturbances
- Precise Welding Current Control

- Attains Target Current Immediately
- More Process Friendly
- Low Inductive Loses in Secondary Circuit
- Higher Current Deliveries
- Lower Cycle Times

Dynamic Mode

This mode is also called ADAPTIVE. In fact, it is able to detect possible abnormal conditions like impurities on sheets, incorrect overlapping, electrodes wear etc., and to dynamically change and compensate parameters during the welding process and try achieving always the same final welding results. This "real time" compensation is carried out by extending or shortening the welding time up to a maximum limit set by the operator. The control unit also compensates the welding current, in this case for avoiding the projection and the expulsion of molten material.

Inverter Medium Frequency Controller TE 700



- FIX (Partialisation percentage of the delivered power)
- IK (Constant Current)
- PWK (Constant Power)
- ENE (Constant Energy)
- VEK (Constant voltage)

Technical Data

ITEM		3062	3066	3176	3177	3183	3184
Power KVA at 50%	KVA	56	90	56	56	90	90
TYPE		C	C	X	X	X	X
Gap MIN.	mm			205	265	219	312
Gap MAX.	mm			205	265	219	312
Force daN 6 bar	daN	375	465	340	340	645	645
Force daN 8 bar	daN	500	620	450	450	855	855
Cylinder bore	DIA	90	100	100	100	140	140
Short circuit current	KA	25	30	25	25	30	30
Arms taper							
N.I.mm	mm	44	49	44	44	49	49
I.mm	mm	42	47	42	42	47	47
Net weight	KG	53	63	55	55.5	75	76



Item	Nominal power at 20% (kVA)	Nominal power at 50% (kVA)	Sort circuit current (kA)	Max electrode Force at 6 bar 150 mm arms (daN)	Net Weight (kg)
3230	80	50	19	380	33
3233	80	50	19	300	29

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