



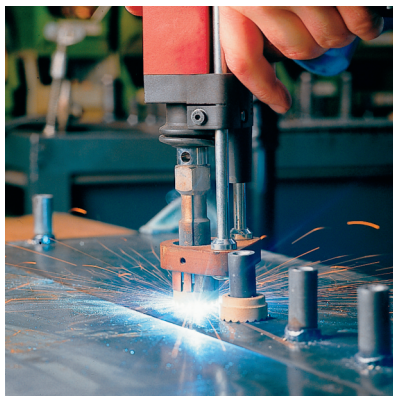
**Nelweld<sup>®</sup> inverter based stud welding units – forward-looking technology made by Nelson**

## **Nelweld<sup>®</sup> N1500i<sup>™</sup>**

**The powerful inverter based stud welding unit manufactured by the inventor of stud welding**

Representing the henceforth third generation of Nelson inverter technology **Nelweld<sup>®</sup> N1500i** is the new, up-to-date and reliable ambassador of advanced stud welding technology.

The ingenious merger of little weight and compact design with a high output power of 1500 amps, continuously adjustable from 50 – 1500 ampere.



This provides the opportunity to weld process secured studs with a full-size diameter from 3 – 16mm with drawn arc and from 4 – 12mm in short cycle mode.

Due to the intergrated shield gas module this additional option is now a standard device in each unit. Under shield gas studs of a full-size diameter from 3 – 12mm can be welded.

## Technical Data **Nelweld<sup>®</sup> N1500i<sup>™</sup>**

<b>Power supply:</b>	Inverter	<b>Input voltage:</b>	400V, 50/60Hz
<b>Welding current:</b>	50A - 1500A (stepless adjustable)	<b>Mains fuse:</b>	63A (slow-blow)
<b>Welding time:</b>	5ms - 1000ms (stepless adjustable)	<b>Power plug/power cord:</b>	63A CEE / 4m
<b>Full-size diameter of welding:</b>	Drawn arc Ø 3mm – Ø 16mm Short cycle Ø 4mm – Ø 12mm Shield gas Ø 3mm – Ø 12mm	<b>Protection class:</b>	IP23 S
<b>Welding rate:</b>	Drawn arc Ø 16mm : 7 per minute Short cycle Ø 12mm : 30 per minute	<b>Protection rating:</b>	I (one)
<b>Shield gas:</b>	integrated	<b>Excess temperature protection:</b>	included
<b>Duty cycle:</b>	6%	<b>Cooling:</b>	AF (thermostatically controlled fan)
<b>Controller:</b>	2 x 32-bit processor with DSP / RISC / CISC	<b>S mark:</b>	complies with regulations
<b>Display / operator panel:</b>	2 rows, each with 6-digit dot-matrix / membrane keyboard	<b>Measurements:</b>	(w x h x t) 280 x 430 x 780mm
		<b>Weight:</b>	43.5 kg (with power cord) 38.9 kg (without cord)
		<b>Options:</b>	Nelware <sup>™</sup> Software (external weld monitor and production log) Ethernet 10/100-Base-T interface



**NS 40 B**  
Drawn arc process



**NS 40 SL**  
Short cycle process



**NS 20 BHD "Heavy Duty"**  
Drawn arc process



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