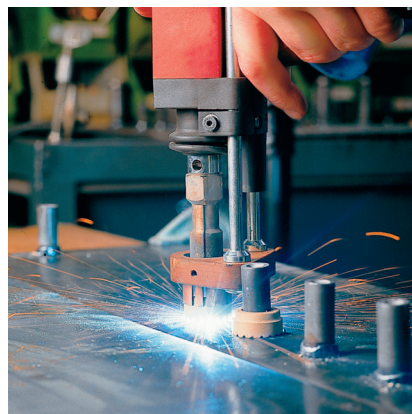




Nelweld[®] N1500i[™]

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

The new stud welding unit **Nelweld[®] N1500i[™]** intelligently combines low weight and compact design with a high output power that is continuously adjustable from 50 to 1500 ampere. This provides the opportunity to weld process secured studs with a full-size diameter from 3 to 16 mm with drawn arc and from 4 to 12mm in short cycle mode. Thanks to the integrated shield gas module, this additional option is now a standard device in each unit. Studs of a full-size diameter from 3-12mm can be welded.



Other features of the **Nelweld[®] N1500i[™]**

- **Internal welding process control**

Integrated welding process control and detection of suspicious welds

- **Welding circuit monitoring**

Integrated welding circuit monitoring for identification of bad or loose welding cable connections and welding plugs

- **Cleaning pulses**

Cleaning of soiled workpiece surfaces

- **External welding process control**

Optional: logging and evaluation of the welding results via Ethernet interface to PC

Technical Data **Nelweld[®] N1500i[™]**

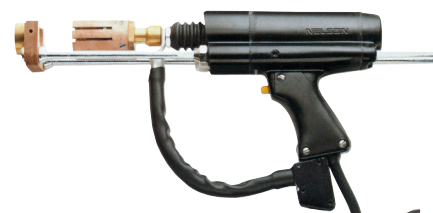
Power supply:	Inverter	Input voltage:	400V, 50/60Hz
Welding current:	50A - 1500A (stepless adjustable)	Mains fuse:	63A (slow-blow)
Welding time:	5ms - 1000ms (stepless adjustable)	Power plug/power cord:	63A CEE / 4m
Full-size diameter of welding:	Drawn arc Ø 3mm – Ø 16mm Short cycle Ø 4mm – Ø 12mm Shield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



Germany

(European Headquarters)

Nelson
Bolzenschweiß-Technik GmbH & Co. KG

Postfach 4020, D-58272 Gevelsberg
Flurstraße 7-19, D-58285 Gevelsberg
Telefon: 02332.661-0
Telefax: 02332.661-135
eMail: info@nelson-europe.de
www.nelson-europe.de



Great Britain

Nelson
Stud Welding UK

47-49, Edison Road
Rabans Lane Industrial Estate
Aylesbury, Bucks, HP19 8TE
United Kingdom
Telephone: 01296.433500
Telefax: 01296.487930

France

Nelson
Soudage de Goujons France S.A.S

Z.I. du chemin Vert
8, rue de l'Angoumois
F-95100 Argenteuil
France
Téléphone: 01.34 11-94 00
Téléfax: 01.34 11-20 33

Italia

Nelson
Bolzenschweiß-Technik GmbH & Co. KG

Via Miraflores 20
I-10042 Nichelino/Torino
Italia

Telefono: 011.6059238
Telefax: 011.6050015

Nelson Stud Welding, Inc.

7900 West Ridge Road · P.O. Box 1019 · Elyria · OH 44036,2019, USA · Phone: 440.329-0400 · Telefax: 440.329-0597 · www.nelsonstud.com

Austria, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, Greece, Hungary, Israel, Latvia, Lithuania, Netherlands, Nigeria, Norway, Poland, Portugal, Romania, Russia, Saudi Arabia, Serbia/Montenegro, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Tansania, Turkey, UAE, Ukraine

Technische Änderungen vorbehalten · We reserve the right to adopt modifications in the interest of technical progress · Sous réserve de modifications techniques

© NELSON 08/2009