







Home ► All Journals ► Engineering & Technology ► Welding International ► List of Issues ▶ Volume 23, Issue 11 ▶ AC/DC generators with waveform control:

Welding International > Volume 23, 2009 - Issue 11

145 7 Views CrossRef citations to date Altmetric

Original Articles

AC/DC generators with waveform control: innovation in submerged arc welding

G. Pedrazzo, C.A. Barone & G. Rutili

Pages 839-845 | Published online: 13 Oct 2009

66 Cite this article ⚠ https://doi.org/10.1080/09507110902843255

> Sample our Engineering & Technology to the latest two volumes for 14 days

Full Article

Figures & data

66 Citations

Metrics

Reprints & Permissions

Read th

Abstra



We Care About Your Privacy

We and our 899 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting "I Accept" enables tracking technologies to support the purposes shown under "we and our partners process data to provide," whereas selecting "Reject All" or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the ["privacy preferences"] link on the bottom of the webpage [or the floating icon on the bottom-left of the webpage, if applicable]. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. Here

We and our partners process data to provide:

based p shape b

with the

nt inverter e wave of welding

I Accept

Reject All

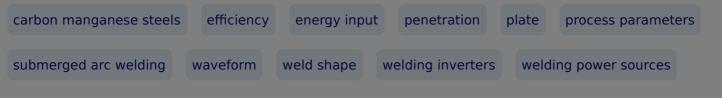
Show Purpose

By controlling the parameters which determine the wave form it is possible to achieve outstanding results in terms of productivity, bead shape and penetration, heat input and reduction of distortions.

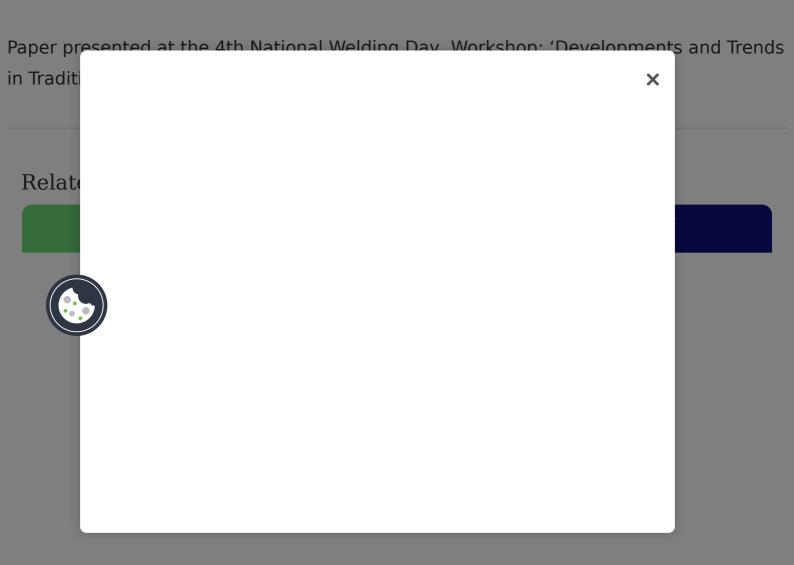
The paper presents experimental tests made at the laboratory Processi Speciali di Saldatura (PSS) of the Italian Welding Institute, Several beads on C-Mn plates have been deposited both with a conventional Subarc Equipment and with the new technology 'Full Wave Control' provided by the Power Wave AC-DC by Lincoln Electric.

The compared results give a clear view of the potential of the new technology.

Keywords:



Notes



Information for Open access Authors Overview R&D professionals Open journals Editors **Open Select** Librarians **Dove Medical Press** Societies F1000Research Opportunities Help and information Reprints and e-prints Advertising solutions Newsroom Accelerated publication Corporate access solutions Books Keep up to date Register to receive personalised research and resources by email Sign me up X or & Francis Group Copyright