

Advanced Welding System

Welding in accordance with the AWS® D1.1 Structural Welding Code



General Features

◆ Security

* Optional security can be enabled to allow user level control over View, Edit, New, & Delete for all main program components.

◆ Databases

- * Thousands of materials/images included (Standard & Metric)
- * User may add new materials and/or customize existing materials
- * Base Metals
- * Filler Metals
- * Pipe/Tube
- * Gases
- * Joint Images

◆ Defaults & Options

- * Data Paths, Test Facilities, User Defined Weld Processes, & User Defined Inspection Types, Company Logo, PQR/WPS, WPQ, Welder, & Electronic Signatures
- * Support path, report characteristics, & other miscellaneous user customizations

◆ Data Import/Export

* Allows you to send & receive selected documents, welders, & continuity data to any other Advanced Welding System user for their use, review, approval, and/or signature

Code Checked Documents

◆ **Advanced Welding System has the highest level of built in Code-checking available**

- * The program notifies you of any mistakes during document creation and helps keep your work as accurate as possible
- * Code-checking may be turned off if desired on a per document basis

◆ Electronic Signature

* Documents may be signed and/or locked electronically

◆ Secure PDF

* Documents may be saved as a secure PDF for email to client or coworker, intranet hosting, or off-site storage

◆ PQRs

- * Tabbed layout makes data entry fast and accurate
- * Processes Covered
 - SMAW, GTAW, GMAW, FCAW, and SAW processes covered
 - User definable processes are allowed when Code-checking is turned off
- * If interrupted in the creation of a PQR, you can save your progress (for completion at a later time), and the program will watermark the document as incomplete. A PQR that doesn't pass Code-checking is also marked as incomplete. The program will prevent anyone using an incomplete PQR in the creation of a Code-checked WPS.

◆ WPSs

- * Section 3 Pre-Qualified WPS creation is quick and simple. Just a few minutes are required to complete an accurate and immediately usable WPS
- * Accurate reliable WPS creation in a fraction of the time normally required
- * Section 4 WPSs (qualified through PQR) are automatically generated with your allowed ranges from the PQR of your choice

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◆ WPQs

- * *Easy creation of Code-checked WPQs*
 - From a Code-checked WPS
 - Copied from another welder's WPQ
- * *Entry of test information is greatly simplified*
- * *Ranges automatically calculated*
- * *New WPQs can be created in under two minutes*

◆ Procedure Submittal

- * *Lets you create a customer oriented document containing:*
 - Customer, Date, Job, WPSs, Signature (digital signature optional), & Notes (optional)

Welder Management & Continuity

◆ Welder Information

- * *Customizable Welder ID*
- * *Welder Photo (optional)*
- * *Status - Active or Inactive (seasonal welders can be added or removed from reports)*
- * *2 customizable identifiers for grouping welders*
 - Default - Location & Foreman

◆ Continuity

- * *Continuity Log*
 - Can be generated for all welders or filtered by the custom identifiers
 - Printed log can be marked in the shop/field and then entered into the program at a later date (just a few simple clicks of the mouse)
- * *Optional NDE info can be added during continuity entry*
 - Inspection Type, Job, Units Welded, Units Failed, & NDE Type
 - Percentage of Failure is automatically calculated

◆ Specialized Reports

- * *Expiration Summary*
 - Show which welders qualifications will expire within your given timeframe
 - Keeps costs down by eliminating costly re-qualification
- * *Inspection Defect Percentage*
 - A detailed log of your welder's rejection rates based on the optional NDE information

Reports

◆ Customization

- * *Reports can be Grouped, Sorted, and Filtered to show just the info you need*
- * *Customized reports can be saved and labeled for future use*

◆ Secure PDF

- * *Reports may be saved as a secure PDF for email, intranet hosting, or off-site usage*

◆ Welder Reports

- * *Continuity, Expiration, Summary, & Defect Percentage Reports*

◆ Quick Reference Reports

- * *Lists your PQRs, WPSs, & WPQs*

Easy to Use

Advanced Welding System has a comparatively short learning curve. With the built in tutorial, contextual help system, and in-depth manual you'll be up and running in no time.

Well Supported

Our friendly tech support and engineering staff can be reached by phone, fax, or email.

Competent results

The program's output will offer a level of professionalism your customers will come to both depend on and appreciate.

A Quality Product

Our rigorous quality control protocols ensure accurate, worry free documents.

Longevity & Trust

Computer Engineering, Inc. has been in business for over 20 years, and is the solution provider of choice for large Fortune 500 corporations, government agencies, fabrication shops, consulting engineers, top authorized inspection agencies, as well as thousands of small businesses.

Save Time & Money

CEI has received many testimonials from our customers describing how much Welding Pro-Write has helped them and how much time they save. Most say they couldn't ever imagine doing their job without it. Visit our website (www.computereng.com/testimonials) to read their unedited comments about our software.

Minimum PC Requirements

266MHz Pentium II, 256MB RAM , 60MB free HD space, video card and monitor capable of 800x600 resolution at a minimum of 16 bit color, running Windows (XP, Vista, or 7), and 1 open USB Port.

