Labeling made easy

next Generation Label Printing System

RSJ Software GmbH

www.rsj.de

Next Generation Label Printing System

Shelf Labeling

The „RSJ Next Generation Label Printing System“ allows you to design and print your shelf labels directly from the web browser.

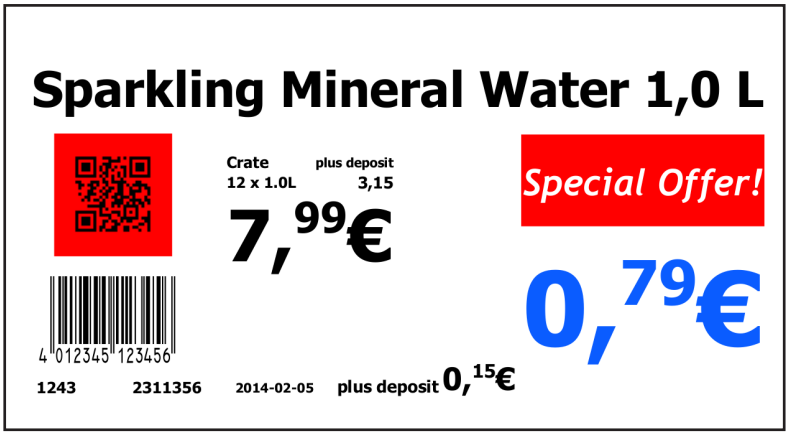
Specially optimized field functions, such as the automatic adaption of font sizes to field content allow the optimal usage of label area.

Each field can use a different TrueType font. Our integrated Unicode support (including „right to left“ and Arabic) facilitates international projects. Container fields let you combine different layout variants without sacrificing precious label space. We create PDF files, that look the same on screen and on paper. Your printer just needs the OS standard printer driver.

Our web service interface lets you submit new jobs automatically. The integrated data structure analyzer (for CSV, Excel, JSON and XML) makes bringing new content on to paper even for non programmers a snap. Our integrated print job manager keeps your users in control.

Each field can have it‘s own Python script for last minute formatting. The system supports multiple users and can be used to distribute print jobs to your branches.

We support user managment via an integrated database, the Windows domain or an external OpenID Connect server. Our hierarchical configuration files allow easy adaption to different deployment scenarios (eg enterprise servers, country servers, branch servers).



You can export different layouts (including all referenced fonts and bitmaps) with a simple click. Do the same to import them into a different installation.

Facts & Figures

Primary Function	Create and Print Labels
	LPSNG can be used to generate thousands of labels in a single batch, or to create labels in packaging lines on request
User Interface Job Management	HTML5 Web Browser, No reload needed, Realtime update using Websockets
User Interface Production:	HTML5 Web Browser, No reload needed, Multiple browser can control a single printer, One broswer can control multiple printer, Vision Integration
User Interface Label Designer:	HTML5 Web Browser, Templates, PDF Preview, Positioning Aids, Export/Import of Label Packages
Output:	PDF, Interface to external Rasterizer (support for Windows Printer drivers)
Printer Support	We can easily integrate any printer which supports printing bitmaps
Barcodes:	EAN (8, 13, 128), UPC (8, 12), Code 39, Code 93, Codabar, Code-128, QR, ITF, GS1 Databar, Datamatrix 2D (single region), MSI, Code 11, PostNET, USPS_4State
Dataformats :	XML, CSV, JSON, Excel (xls, xslx)
	Example based data structure analyzer
Supported Bitmap Formats:	JPEG, PNG, SVG, GIF, PCX, BMP
Fonts:	True Type Fonts, Fonts can be installed via Web Interface additional
Field Types:	Text field, Number field, Date field, Price field, Multiline text field, Barcode field, Bitmaps, Boxes, Lines, Markup Fields
Input Validation	Minimum, Maximum, Text, Date
Field Script	Optional Python Script for field formatting
Label Script	Optional Python Script for label logic
File Lookup:	Lookup of data via primary key
Field Mapping	Field Value -> Label Format
	Field Value -> Bitmap
	Field Value -> Field Value
Formatting	Dynamic Font Size (with min and max), Direction (0, 90, 180 or 270 degrees), Horizontal Alignment (left, center, right), Vertical Alignment (top, center, bottom), Color, Font Selection, Container Fields, reuse label space of empty fields,
Human Readable Label Description	JSON
Unicode Support	Bidirectional, RTL, Arabic
Interfaces:	**Web Service Interface**
	External Application Integration Interface, Industrial Data Provisioning Interface, Vision Interface, Google Cloud Print, OAuth2
	Project Specific Interfaces
	Vision: Skysoft Imaging, Line: Uhlmann Cartoner, Printers: Logopack, Intermec, Laserjet, Others on request
User Management	OpenID Connect (for cloud usage), Integrated User Management (optionally with Windows SignOn)
Platforms:	Windows, Google AppEngine, Linux, Mac OS X
Deployment:	Public Cloud, Windows Installer, Linux RPM, Mac Installer
System Integration	Windows Service (with integrated Web server)
	Linux Daemon (with integrated Web Server)
Languages:	English, German, others on request
Modular Configuration Files	Hierarchical Configuration
Programming Language:	Python and JavaScript
Database:	Integrated SQLITE3, Other databases on request
Database Mirroring:	Mirror Service for backup
Technologies used:	Websockets, SSL (optional)
Deployment Options:	Cloud, Inhouse
Licensing Model	Cloud, Project Based
Support	Remote Support, Maintenance Contract
Services	Semi automatic tools for conversion of existing labels

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