

Jobwerkz for Odoo - Installation Guide

1. Introduction

Jobwerkz is a visual manufacturing workflow enhancement for Odoo On-Premise. It provides a graphical factory view, constraint visibility, and flow-based planning tools.

2. Target Audience

This guide is intended for distributors, implementation partners, and technical consultants installing Jobwerkz for end users.

3. System Requirements

- Odoo On-Premise (v16+ recommended)
- PostgreSQL database access
- Windows environment (for Jobwerkz client executable)
- Network connectivity between client and Odoo server

4. Installation Overview

Jobwerkz is installed as a standalone executable that connects to the Odoo database. No modification to Odoo core modules is required.

5. Step-by-Step Installation

1. Install Odoo On-Premise
2. Verify PostgreSQL access (host, port, credentials)
3. Install Jobwerkz client software from Jobwerkz.zip
4. Launch JzSetup.exe to Configure database connection and validate connection
5. Launch Jobwerkz.exe to commence software operation

6. Database Configuration

Ensure the following:

- Read access to Odoo tables
- Proper ODBC/PostgreSQL driver installed
- Firewall allows database connectivity

7. Initial Setup in Jobwerkz

1. Map work centers, confirm visual layout
2. Define workflow routes
3. Import existing sales order data
4. Set work center capacity parameters

8. Core Modules Overview

1. Sales Demand Dashboard
2. Finite Constraints Heatmap
3. JIT Materials Forecast
4. Drum-Buffer Rope Scheduler
5. Work Center Console
6. Throughput Ledger

9. Daily Usage Workflow

- Review demand dashboard
- Identify bottlenecks
- Adjust schedules visually
- Monitor execution on shop floor

10. Training Guidelines for Distributors

Distributors should:

- Provide initial system walkthrough
- Train planners on constraint-based scheduling
- Demonstrate workflow visualization
- Offer ongoing optimization support

11. Troubleshooting

- Connection failures → check database credentials
- Missing data → verify table access
- Performance issues → check network latency

12. Support & Licensing

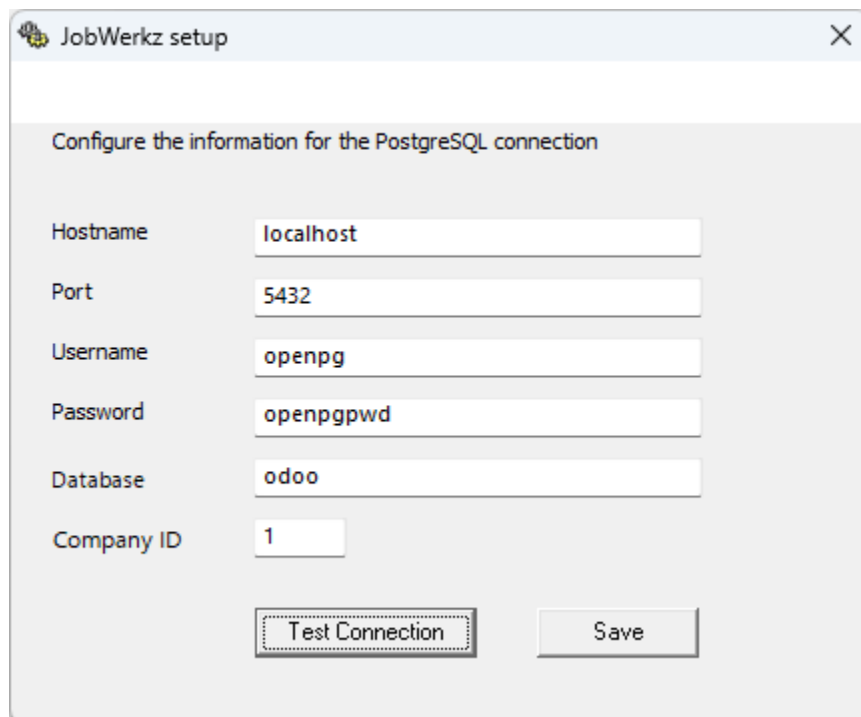
Refer clients to www.jobwerkz.com for licensing and updates.

Supporting Notes:

5.3 Install Jobwerkz client software from Jobwerkz.zip

Download Jobwerkz.zip from the website into any local folder and unzip. This may be a shared folder for multiuser access. Once files are unzipped, run JzSetup.exe initially to connect the database to the Odoo On-Premise database.

5.4 JzSetup.exe operation



The screenshot shows a window titled "JobWerkz setup" with a close button (X) in the top right corner. The main content area is titled "Configure the information for the PostgreSQL connection". It contains several input fields and two buttons:

Field	Value
Hostname	localhost
Port	5432
Username	openpg
Password	openpgpwd
Database	odoo
Company ID	1

At the bottom of the form, there are two buttons: "Test Connection" (highlighted with a dashed border) and "Save".

The input fields required should be immediately recognizable as the same database settings applied to the local Odoo On-Premise installation. Simply replicate the same connection details as Odoo, including Company ID that you wish to connect to, and click Test Connection to review validity. Once you have successfully Tested the connection, click Save to store and confirm those settings allowing JobWerkz.exe to start up.


If you wish to access multiple Companies with Jobwerkz, suggest you install multiple copies of Jobwerkz in various folders on the same server, each one mapped to its own Odoo company.

eg. You might install a Test company and a Live company to allow the user(s) to train off-line.

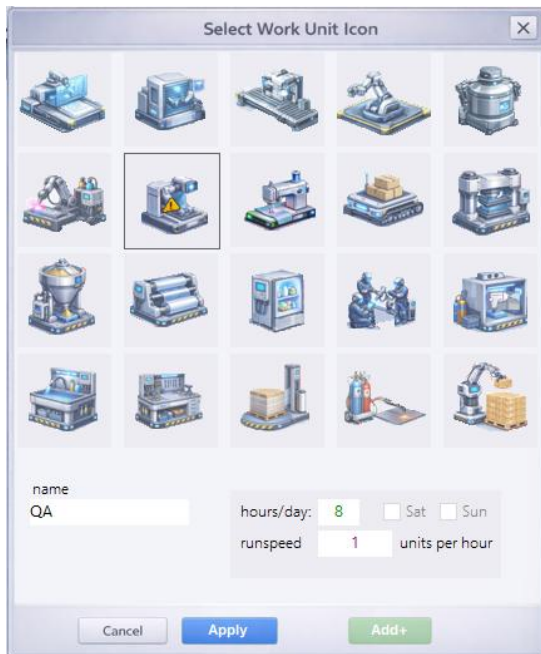
7.1 Initial Setup in Jobwerkz

When Jobwerkz is started for the first time, it has 6 example workcenters loaded. You must initially rename these to match the local site preferences, then add more as required until the factory layout resembles the client factory floor.



To edit the name of a workcenter, right-click on it or click on the setup button 

This displays the workcenter Setup screen where you may select a different icon or rename the workcenter, then click Apply to save the settings.




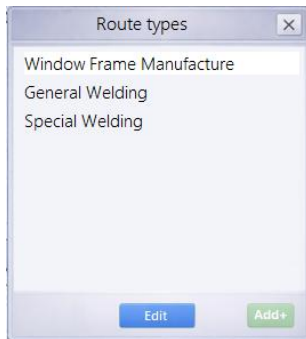
Note that when this screen is open, you may drag & drop all workcenters to their desired position on the factory simulation screen. It is recommended that you assign appropriate

icons and drag workcenters to simulate the local factory floor of the client operation. Note that in the initial trial version there is a limit of 20 work centers per factory.

7.2 Define Workflow routes

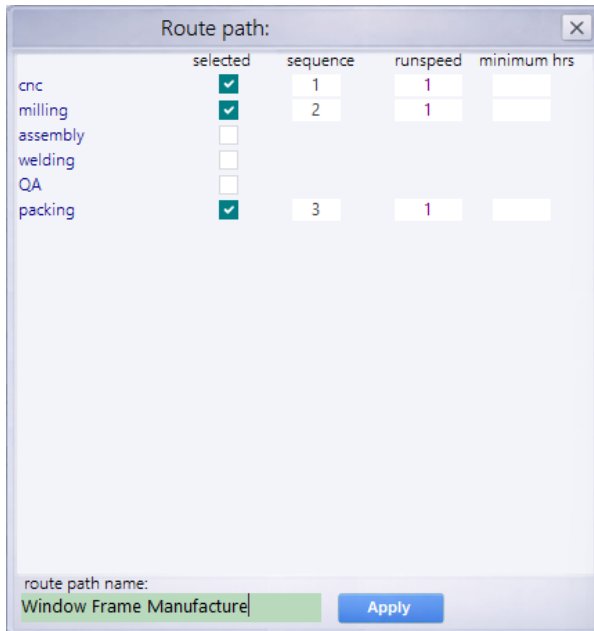
After all workcenters have been created, you can create workflow routes (which new Odoo salesorders will be applied to for production).

Click on the Route Types Setup button  to display this screen:



Initially this list contains 3 demo route types, which can be renamed and edited to match the clients local operations.

Select a route type and click **Edit** to modify its details.



On this screen you can rename the Route in the green textbox at bottom,

or select which workcenters this route path will run through, the sequence, the production runspeed in units per hour and/or a fixed minimum hours duration for the route.

Note that any salesorder later assigned to this Route type will plan itself through the production process using these parameters.

7.3 Import Existing Sales Order data

Once routes have been created, existing sales orders in Odoo can be imported to the production plan by reviewing the Import screen.

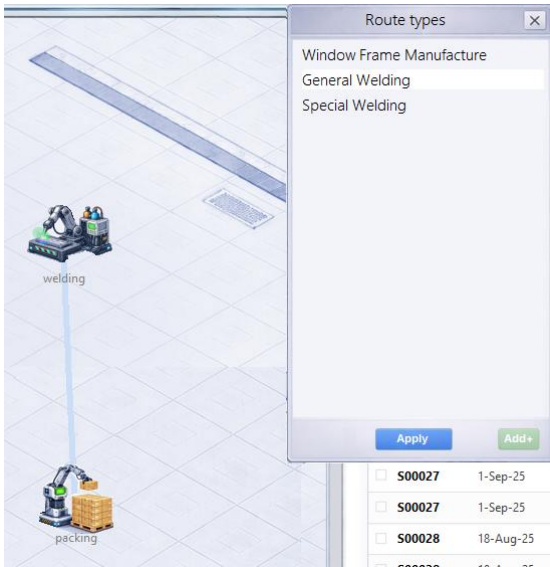


Access this screen by clicking on the **sales orders intake** button at top left of the main screen.

My Company (San Francisco)						
sales orders		Search..		pending		
<input type="checkbox"/>	Number	Due Date	Quantity	Product	Customer	Route type
<input type="checkbox"/>	S00007	20-Sep-25	1	Two-Seat Sofa (Linen)	Gemini Furniture	[Select Route type]
<input type="checkbox"/>	S00025	20-Sep-25	5	Wiring Services	Deco Addict	[Select Route type]
<input type="checkbox"/>	S00025	20-Sep-25	50	Screw Driver	Deco Addict	[Select Route type]
<input type="checkbox"/>	S00026	20-Sep-25	7	Painting	Deco Addict	[Select Route type]

You should now see a list of pending sales orders to release to plan. Click on **[Select Route type]** of any row to assign a production route to the salesorder.

This then presents a Route selection list:



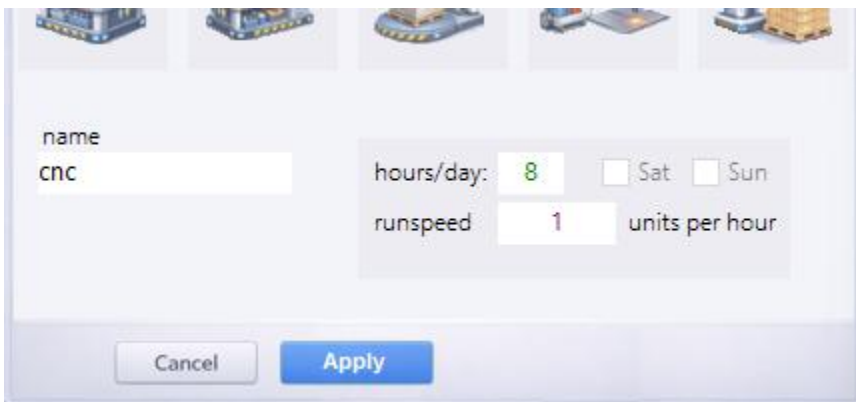
Select an appropriate route for this sales order and click **Apply** to proceed.

Note that this route will be auto-applied to all future salesorders manufacturing the same Product code. This means that after initial load, routes only need to be allocated to new products ie. When the first salesorder is generated for each product. All other sales orders will load into production automatically whenever the **sales orders intake** button is clicked.

7.4 Set work center capacity parameters

Now that production data is imported and some loadings are scheduled onto workcenters, it may be appropriate to set the finite capacity constraints of each workcenter to review how that affects the production plan.

Return to the workcenter setup screen  and modify the following parameters for each workcenter as necessary:



hours/day: set daily working hours average for this workcenter

Sat – Sun checkboxes to indicate if this workcenter works during weekends

runspeed set standard production rate in units per hour. This will be the default value when new routes are created.

Click **Apply** to save changes.

These working hours are reflected in the visual capacity display blocks for each date:

