Sheet & Linear Material Nesting Optimizer

User Guide · Odoo 18.0 & 19.0

1D/2D cutting-stock nesting optimization with kerf, remnant reuse and yield reporting for fabrication shops

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1. Overview

Sheet & Linear Material Nesting Optimizer is an Odoo module (18.0 / 19.0) for the Iberian (Spain/Portugal) market.

Sheet & Linear Material Nesting Optimizer Optimizes how parts are cut from stock sheets, bars and coils to minimize scrap and reports the true material yield of every fabrication job.

2. Key Features

• Material Nesting Job

Material Nesting Job. Tracks Job Reference, Company, Material, Nesting Type, Currency. One-click compute nesting, confirm, reset to reset to draft, cancel.

• Nesting Material

Nesting Material. Tracks Material, Unit, Default Kerf, Default Trim Allowance, Minimum Reusable Remnant Length. One-click view remnants.

• Nesting Placement

Nesting Placement. Tracks Result, Part, X Offset, Y Offset, Placed Length.

• Nesting Remnant / Offcut

Nesting Remnant / Offcut. Tracks Reference, Company, Material, Length, Width. One-click consume, release.

• Nesting Result (one stock unit)

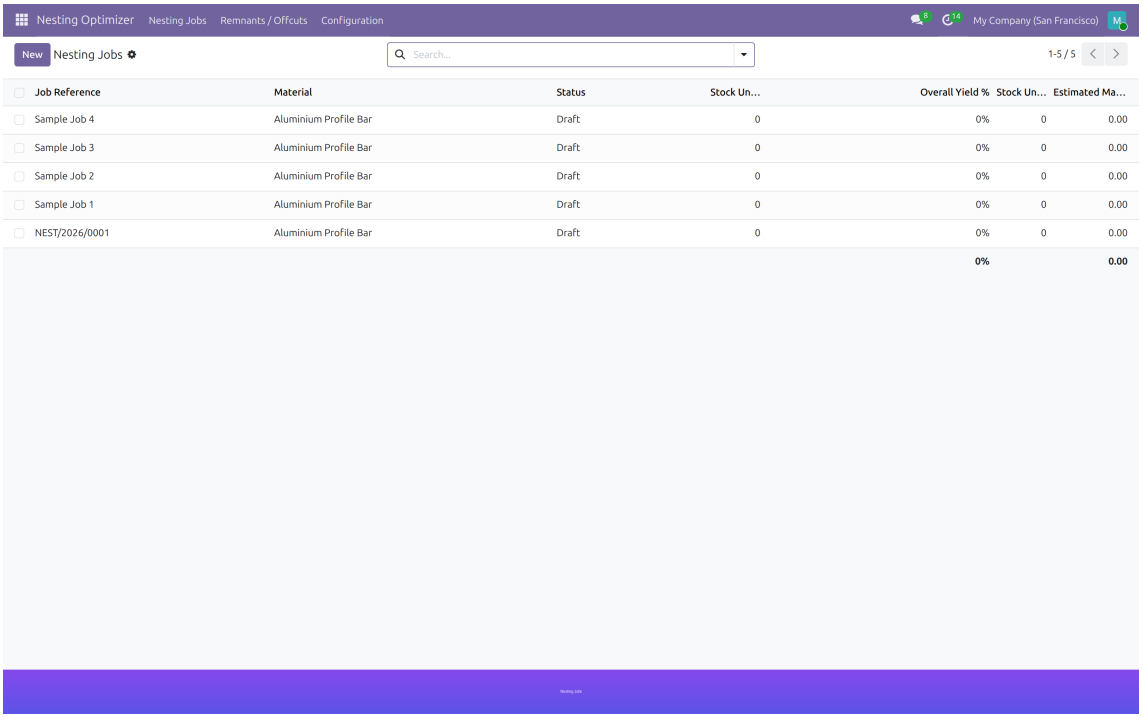
Nesting Result (one stock unit). Tracks Job, Stock Size, Consumed Remnant, Stock Length, Stock Width.

• Nesting Standard Stock Size

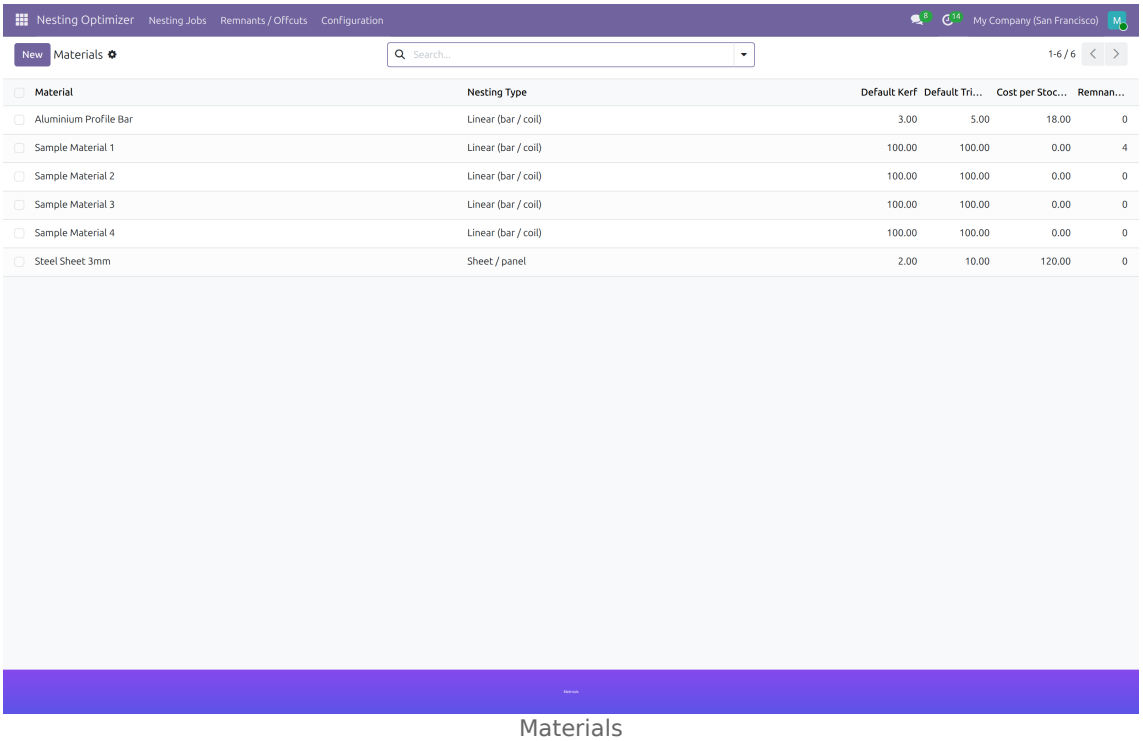
Nesting Standard Stock Size. Tracks Material, Size, Length, Width.

3. Screenshots

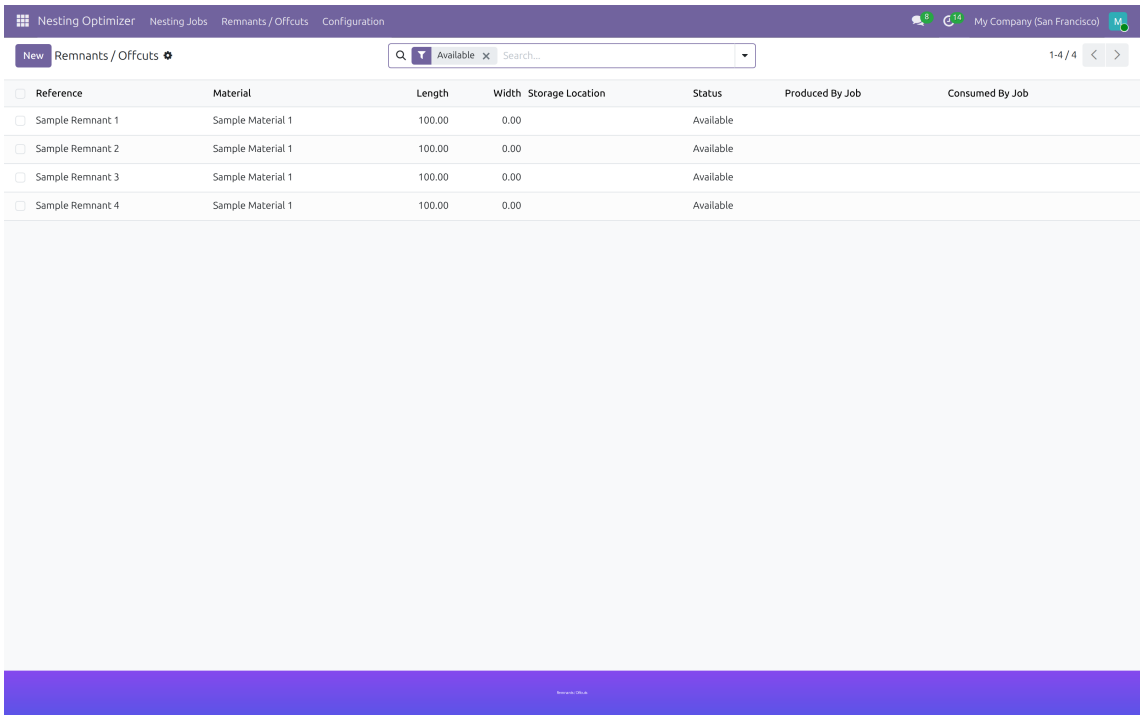
Live views from the running module (with sample data):



Nesting Jobs



Materials



Remnants Offcuts

4. Installation

Open Apps, click Update Apps List, search for “Sheet & Linear Material Nesting Optimizer” (technical name **material_nesting_optimizer**) and click Install. Supports Odoo 18.0 and 19.0, Community and Enterprise.

5. Menus & Navigation

After installation the following menus are available:

- Nesting Optimizer
- Nesting Jobs
- Remnants / Offcuts
- Configuration
- Materials

6. Data Model

The module implements the following records and engines:

Model	Purpose
material.nesting.job.line	Nesting Job Demand Line
material.nesting.placement	Nesting Placement
material.nesting.remnant	Nesting Remnant / Offcut
material.nesting.stock.size	Nesting Standard Stock Size

material.nesting.result	Nesting Result (one stock unit)
material.nesting.job	Material Nesting Job
material.nesting.material	Nesting Material

7. Typical Workflow

1. Open the Configuration menu and set up master data / rules.
2. Create the main record via the primary menu.
3. Use the action buttons (Confirm / Compute / Generate / Export).
4. Review results in list, pivot and report views; export as needed.

8. Cert-clean & Privacy

This module generates worksheets / files / drafts. Submission to authorities is done by you with your own credentials (BYOK) — we are never the certified/registered party.

9. Support

Email **support@pokutsoft.com** or **https://pokutsoft.com**. Please state the Odoo version (18.0 / 19.0) and the technical module name.