

Pine Assembly Workshop

Fictional operating report | 2026-09-08

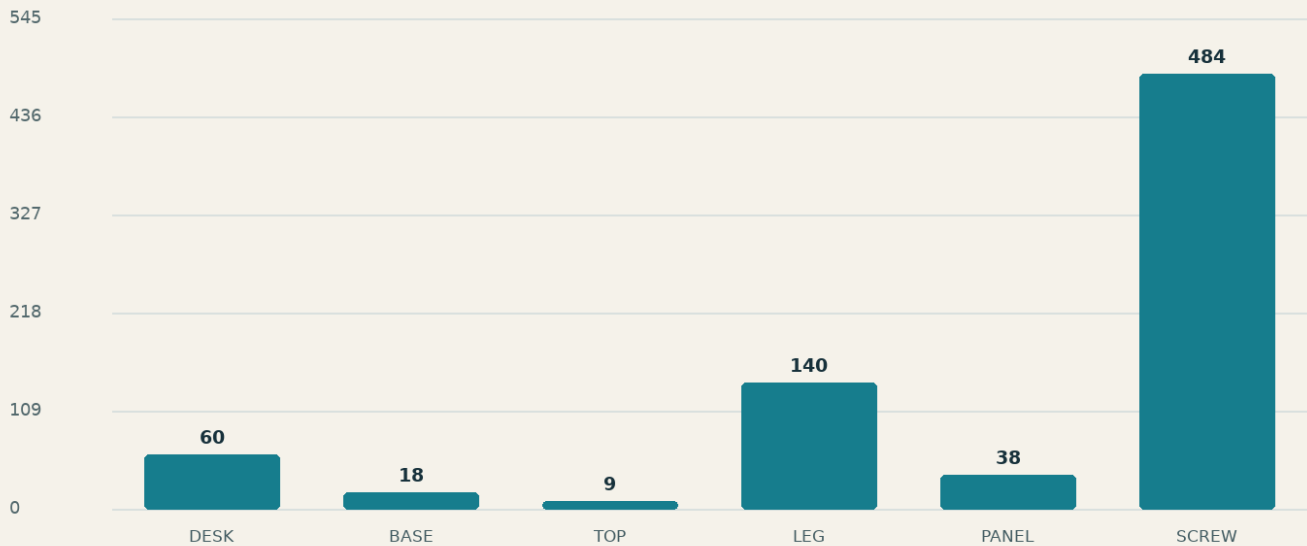
A two-level assembly with shared screw consumption, purchase/issue movements and reconciled stock balances.

Metric	Value	Unit
Units received	96.00	units
Units issued	72.00	units
Assembly relationships	6.00	records

NOVUS EXAMPLES / FICTIONAL OPERATING DATA

Pine Assembly Workshop

Ending stock by part (units)



Source: included operating-model.json. Fixed snapshot 2026-09-08.

Files and expected behavior

The workbook, chart and result assertions are derived from the same linked records. operating-model.json carries every source table. Schema validation covers field types; declared relational rules check uniqueness and references.

Source table	Records	Primary key
parts	6	part_id
bom	6	bom_id
movements	24	movement_id
suppliers	2	supplier_id
procurement	8	purchase_order_id
production_orders	4	production_id
material_requirements	12	requirement_id
routes	4	route_id
shipments	16	shipment_id
vehicles	4	vehicle_id
shipment_exceptions	3	exception_id

Using the example

Blank input tables

blank-input-tables.zip contains a header-only CSV for every source table and a setup guide. Start with those files when you need a reusable empty template. Keep identifiers consistent across tables; the paired JSON Schema describes the data types.

Producing one DESK requires four LEG, one PANEL and twelve SCREW leaf units. Intermediate assembly counts must not be double-counted as raw parts.

Production orders and shipment plans are future commitments. They do not silently deduct the historical stock ledger. Confirm available stock and planned material requirements before fulfillment.

Use guide.md for the import sequence and expected-results.json for exact numeric assertions. Negative test records are intentionally invalid and belong in a validation harness.