Fix the Chaos in Engineering:
A Better Way to Manage SKUs, Drawings & Revisions

In most mid-sized manufacturing companies, engineering change management is a silent source of chaos. The symptoms are everywhere — duplicated part numbers, uncontrolled drawings, mismatched packaging specs, and last-minute rework that delays production.

Falco ECM is built to fix that.

It's not just a drawing approval tool. It's a full-stack solution that connects your engineering SKUs, specs, and packaging — with complete audit trail, control, and simplicity

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⚙️ What's Broken Today?

Even today, many plants run with decentralized Excel files, vague drawing versions, and isolated packaging lists.

Here's what that looks like on the ground:

- ❖ Engineering SKUs are created by different teams, with inconsistent naming or logic.
- ❖ Drawings are stored in email folders or hard drives — often with no idea which one is the final version.
- ❖ Sales SKU and Engineering SKU don't map to each other.
- ❖ Packaging details change, but stations are not updated in real time.
- ❖ Old drawings and specs linger, causing confusion and rework.

When these issues pile up, the cost is more than inconvenience. It's rejections, delays, and serious quality risks.

What Falco ECM Does Differently

Falco ECM brings order to this chaos. It builds a single platform where part numbers, drawings, specs, and packaging live together — with full traceability.

Here's how:
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- ❖ SKU + Drawing Generation Engine:
    - o Define new part numbers using 20+ master attributes. Auto-generate dimensioned drawings linked to SKUs.
- ❖ Approval Flow with Audit Trail:
    - o Each SKU and its drawing follow a pre-defined approval process. Revisions are versioned, time-stamped, and tracked.
- ❖ Packaging BOM Control:
    - o Link packaging elements to the engineering SKU. Apply revisions. Show real-time BOM at packaging stations.
- ❖ Centralized Spec Masters:
    - o Store templates, drawings, specs — all in one controlled repository. Accessible with role-based permissions across units.
- ❖ Revision Management:
    - o Archive all old revisions with clear audit history. Make traceability simple, not scary.

What Makes Falco ECM Unique

It's not just the features — it's how they fit into your real processes::
- ❖ Auto-Mapping of Engineering SKUs to Packaging BOMs
    - o Falco helps you reduce SKU sprawl by enforcing structured creation and mapping logic.
- ❖ Coss-Functional Transparency
    - o Engineering, Quality, and Packaging teams work off the same records. No more guessing which spec is final.
- ❖ Real-Time Packaging Display
    - o Packaging stations always see the right BOM for the current SKU. Reduces human errors and improves compliance.
- ❖ Revision-Ready Architecture
    - o Every change in drawing, spec, or packaging gets logged. So you always know what changed — and when. Auto-generated reports for production, downtime, and efficiency

✅ Proven Impact in Real Manufacturing Environments

Falco ECM isn't just theory — it's been deployed in real high-mix, high-compliance operations. And the results are powerful:

- ❖ **SKU count reduced** from 18,000 to 3,500 — without losing product range
- ❖ **Drawing count dropped** from 2,200 to 450 — with better control
- ❖ **Zero quality failures** due to spec mismatches
- ❖ **100% Packaging BOM traceability**
- ❖ **Zero shipment rejections** due to outdated or incorrect specs

All of this was achieved not by throwing new tools at the team — but by **structuring the flow** of engineering-change itself.

🎯 Bottomline

If you're tired of confusion over drawings, part numbers, and packaging specs — **Falco ECM** brings control, simplicity, and traceability.

It fits into your workflows, rather than forcing new ones.

- ❖ Your engineers can stop firefighting.
- ❖ Your quality teams can stop rechecking.
- ❖ And your production floor can finally rely on what's in the system.