

Platework Material Takeoff Module

Sumps · Launderers · Chutes · Hoppers · Tanks · Vessels · Ducting

- 1 Complete Platework Coverage**

Extracts material takeoffs from sumps, launderers, chutes, hoppers, boxes, enclosures, ducting, hoods, shop tanks and vessels — covering the full range of custom platework fabricated for mining and industrial projects.
- 2 Plate-by-Plate MTO Output**

Each plate is itemized with dimensions, thickness, quantity, unit weight and total weight — organized by assembly or structure to match how platework is quoted, procured and fabricated in the shop.
- 3 Wear Liner & AR Plate Identification**

Identifies and separates wear liner plates (AR400, AR450, AR500) from structural plate (A36, A572) in the MTO — critical for accurate material pricing and subcontract scope definition on mill and mining equipment.
- 4 Rubber Lining Scope & Extraction**

Extracts rubber lining specifications from drawings — polymer type, durometer and lining thickness — and calculates rubber lining surface area for subcontract pricing. Customer-supplied specs accepted as manual input when not shown on drawings.
- 5 Dual Surface Area Calculation**

Calculates total and per-panel surface area for paint, epoxy coating and lining scopes — separating internal lining SA from external paint SA to support two distinct subcontract pricing streams.
- 6 Stainless Steel Support**

Handles stainless steel platework (SS304, SS316, SS316L) with appropriate grade identification, welding standard (AWS D1.6) and surface finish notes — common in leach circuit and reagent contact applications.
- 7 Weld Joint Summary**

Generates a weld joint count summary by joint type (butt welds, fillet welds, plug welds) and thickness — supporting welding labour estimates and WPS selection for the fabrication shop.
- 8 Smart Flagging System**

Flags missing dimensions, unresolved material grades, drawing quality issues and scope ambiguities that require clarification before the MTO is finalized — reducing rework in the estimating process.
- 9 Professional PDF & Excel Output**

Branded MineFab AI reports with SOW confirmation table, plate-by-plate MTO, weight summary, surface area tables, rubber lining schedule, flag register and approval block — plus a structured Excel MTO workbook for estimating.

30 Years

Fabrication
Expertise

A36-AR500

Full Plate
Grade Coverage

AWS D1.1

Structural
Welding

AWS D1.6

Stainless
Welding

PDF + Excel

Output
Formats