

OFFICIAL SAFETY AUDIT REPORT

CLIENT ORGANIZATION

ST Engineering

AUDIT TYPE

Machinery Safety

DATE

Sep 2025

OVERALL GRADE

B

1.0 EXECUTIVE SUMMARY

A detailed Machinery Safety Audit was conducted at ST Engineering's manufacturing plant. The focus was on compliance with ISO 12100 (Safety of machinery — General principles for design) and SS 537 (Code of Practice for Safe Use of Machinery).

The audit verified that majority of the guarding on rotating equipment is effective and interlocked properly. The Lock-out Tag-out (LOTO) procedure is well-documented and understood by maintenance staff. Emergency stop buttons are accessible and functional across all production lines.

A critical observation was made regarding the legacy stamping press in Section B, which lacks a redundant safety circuit. Retrofitting is strongly advised. Furthermore, noise monitoring data suggests levels in the granulator room exceed the PEL, necessitating enhanced hearing protection enforcement.

2.0 DETAILED FINDINGS

ID	OBSERVATION / NON-CONFORMANCE	RISK	RECOMMENDED ACTION
G.1	Contractor induction records gap	Medium	Digitize induction logs for real-time tracking.
G.2	First Aid box contents expired	Medium	Replace expired saline and bandages immediately.
G.3	Emergency lighting in stairwell	Low	Repair flickering unit at staircase 3.
G.4	PPE policy enforcement	Low	Conduct refresher training on proper earplug usage.