

Restoring full stamping speed through targeted void filling

International precision-manufacturing facility · Singapore

128 m²

floor area treated

1 day

rectification period

0.002g

final recorded vibration

Full speed

stamping production restored

THE CHALLENGE

Excessive floor vibration forced the client to slow its stamping machines to minimise rejected products, directly limiting production output.

THE SOLUTION

URETEK Vietnam injected expanding Rigid Ground resin through small planned holes to fill voids beneath the slab and restore positive floor support. Supplemental injections fine-tuned the result.

THE OUTCOME

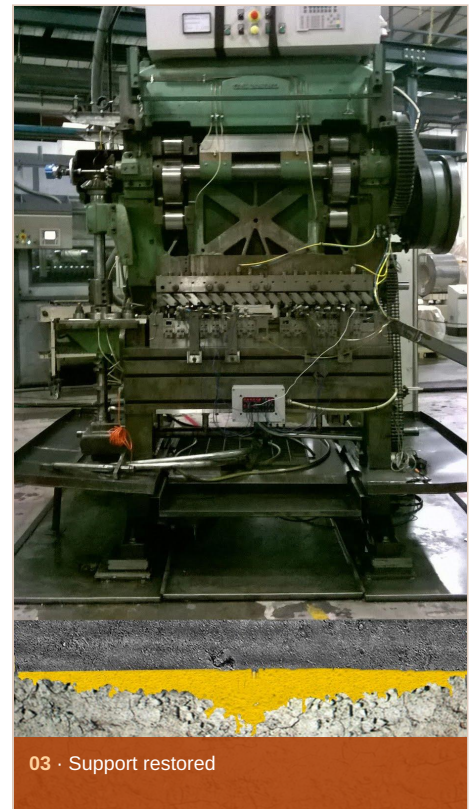
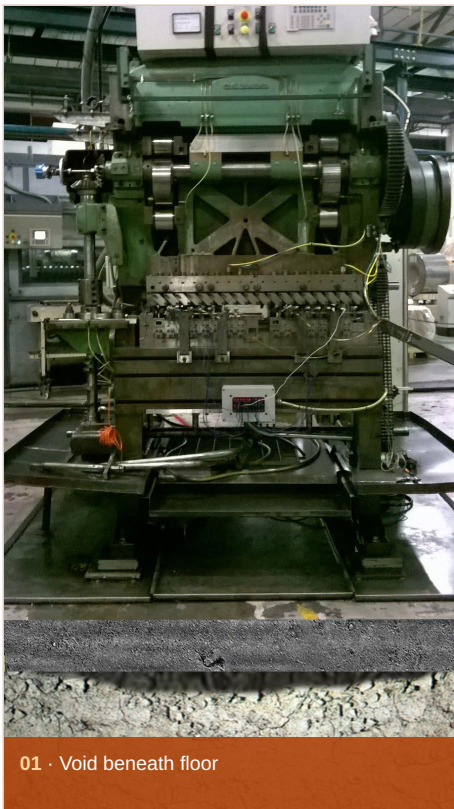
Production continued throughout the application period. After treatment, the stamping machines returned to full production speed and the completed work successfully met the client's expectations.

0.002g

The final rectification report recorded this post-treatment floor-vibration level at machine 18 while the remaining machines were shut down—roughly comparable to the faint vibration of a passenger car passing at 60 km/h.*

How targeted injection restored slab support

Three-frame explanatory sequence



*Illustrative comparison based on a typical passenger car travelling on a nearby paved road, with vibration observed inside an adjacent building. Actual vibration varies with vehicle, road, distance, structure and measurement method. No percentage reduction is claimed because no comparable numerical pre-treatment baseline was recorded. Subsurface views are explanatory illustrations.

