



Farrat

Shock & vibration isolation
for Plant, Machines,
Structure and Buildings

Since 1959 **Farrat Isolevel Ltd** has amassed a wealth of experience in all aspects of vibration, noise and shock isolation in both industrial and civil applications. Projects like this demonstrate our abilities as an engineering and manufacturing company. Farrat can advise on or develop bespoke vibration isolation and precision levelling solutions.

Please contact us for more detailed information and literature or technical advice on how best to overcome noise and vibration problems. Otherwise visit our website www.farrat.com.

Installation of Rhodes press on Farrat Isolevel Materials

UK – 2003—Farrat was approached by a company who wanted to move this 1000t Rhodes press to a different part of their production facility. Using a combination of operational experience the existing location and Farrat’s experience, an optimised foundation was designed and installed.

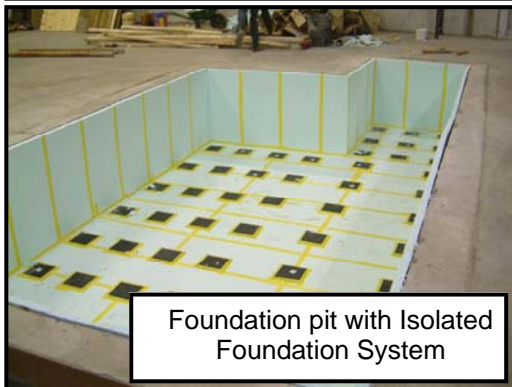
The inertia block plays the following, important roles in vibration isolation

- **Increase mass** which reduces transmitted vibrations through **mass damping** (doubling the mass in halve the transmitted vibration) and improves machine **stability** by lowering CoG.
- **Confine** vibration within block rather than transmitting it into the ground.
- Additional machine frame **stiffness**.
- **Distribution** of static and dynamic loads over a greater ground area.
- Minimise changes in level due to alterations in static load distribution.

The isolation system was then completed by decoupling this block & machine from its surroundings using NBR 70-50 Isolators, void filler and Vidam sidewall isolation.



Foundation pit



Foundation pit with Isolated Foundation System



Line of isolated inertia block



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