

# MKRM

## Rail Testing Services

Makmal Kerja Raya Malaysia (MKRM) is a civil, structure and infrastructure engineering testing laboratory under the Construction Research Institute of Malaysia (CREAM), a subsidiary of Construction Industry Development Board of Malaysia (CIDB).

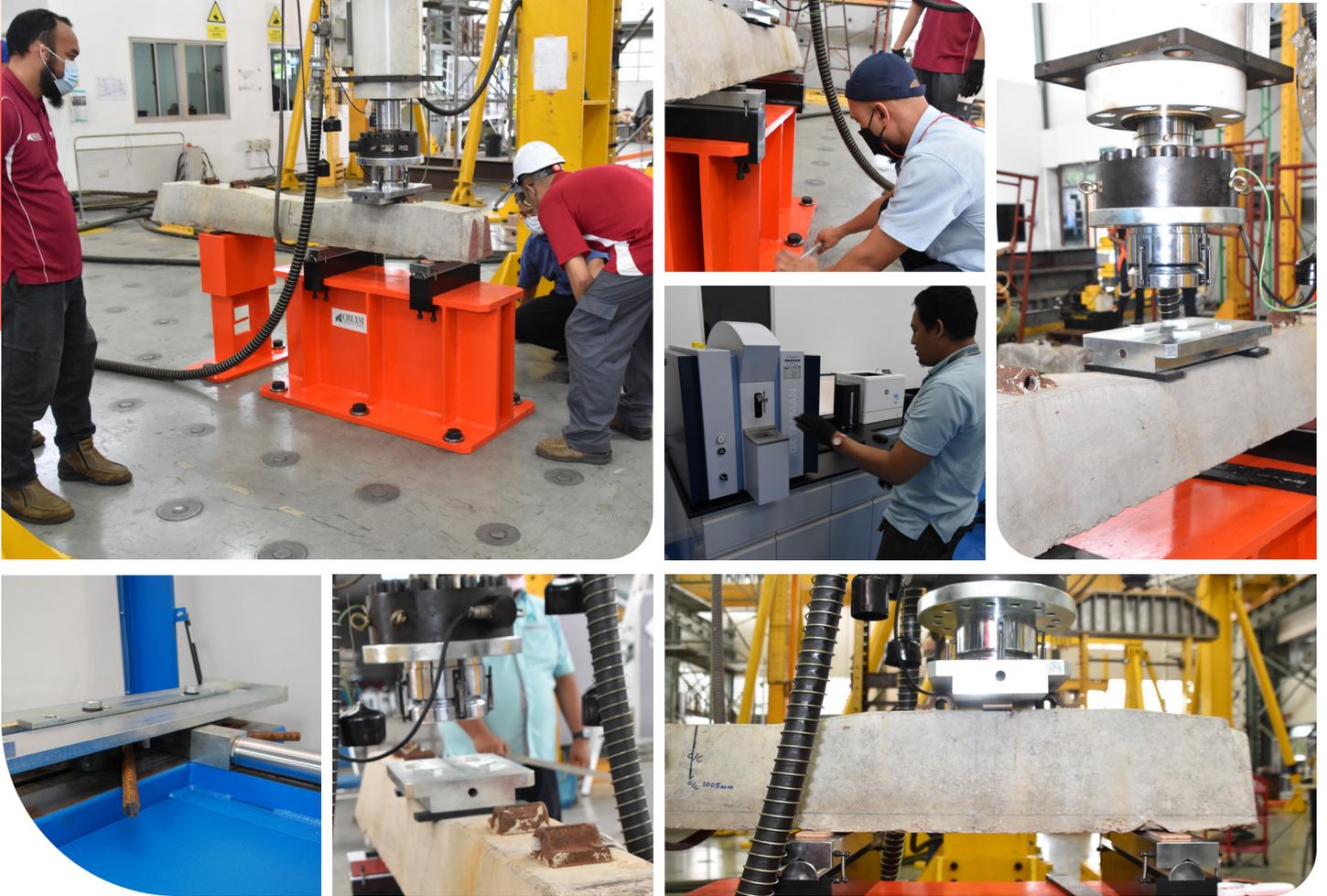
Established in 2010, MKRM provides laboratory testing services mainly for construction stakeholders to fulfill CIDB Act 520 requirement for the safe usage of construction materials.

Beginning of 2022, MKRM is proud to expand its capabilities and capacities to conduct testing from the Railway Industry specifically on Civil Works and Track Works. Our existing facilities are capable to perform laboratory test on railway sleepers and rail track in accordance with BS EN. The tests includes:

Railway Sleepers	Rail Track
Bending moment test on sleepers (Negative / Positive)	Bend test
Bending moment test on rail seat (Negative / Positive)	Chemical composition test
Dynamic load test on rail seat	Hardness test
Fatigue test on rail seat	Dynamic/Fatigue test
Insert Pull out test	

At the same time, we can also provide test for widely used materials in railway industry such as prestressing steel, concrete, cement, and aggregate. Our heavy structure engineering laboratory is capable in conducting full scale component test such as beam, column, bridges, piles up to 20 m in length and 200 ton in strength.

In the near future, MKRM shall be able to offer services for fastener and welding and at the same time provide services on the operation and maintenance related to civil and track works.



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## Why Us?

Accredited with MS ISO/IEC 17025:2017, our state-of-the-art laboratory testing facilities for IBS components and structure is unparalleled

