

# Buck Materials Handling Equipment LTD

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# BUCK

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**PRODUCTS: MATERIALS HANDLING EQUIPMENT** Whenever materials are to be handled the use of the right tools will make all the difference. Our long-standing know-how combined with our ability to innovate enables us to develop custom-made below-the-hook attachments which give you total control over functionality, productivity, safety and efficiency.

**PRODUCTS: BILLET SURFACE CRACK DETECTION SYSTEM** Our fully automatic system offers reliable inspection of the entire billet surface including round corners on square billets with complete detection and classification of defects. The system can be used for surface crack detection on cast and rolled billets at temperatures from cold up to 500°C.

**HANDLING EQUIPMENTS** Slab Tongs Coil Tongs Billet and Block Tongs Sheet and Plate Lifters Automatic Coupling System Buck Materials Handling Equipment plays an essential part in productivity, efficiency and safety in all industrial sectors, especially in the ferrous and non ferrous metal industries. We are leaders in the area

of materials handling equipment with a world wide reputation for quality and professional service. Our handling equipment is engineered and designed to suit our clients requirements by a team of engineering specialists with unsurpassed experience in the materials handling field. We may claim that Buck handling equipment products are to be considered as the state-of-the-art, with unsurpassed features in respect to reliability, safety, efficiency, careful handling and maintenance. You will be pleased to see that we don't take your materials handling needs lightly!

MECANA NT Process Cycle Process Performance Sample Layout Benefits & Special Features The surface quality is a decisive factor in production of special alloy steel used for bearings, springs, wires for tyres, crank shafts or die-forgings specifically for the car industry.

A reliable and sophisticated surface crack detection system has to be implemented to successfully detect and classify the defects on a billet. Based on the proven Mecana dry flux technology, BUCK has further developed the system. A high-performance Optical Fault Registration System scans the billet surface and detects and classifies the cracks. This data is used for a detailed report of the surface quality, the systematic collection of defects data to improve the upstream rolling and/or casting processes and to provide the coordinate data for the partial grinding of the defects.

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