



# 4B Braime Components

Better by design

**F**ounded in the UK in 1971, 4B Braime Components, Ltd. has been an industry leader in developing high quality, innovative, and dependable material handling components for the agricultural and industrial sector. 4B has the world's largest range of bucket elevator components, leading the field in elevator bucket and elevator bolt design and manufacturing the highest quality forged conveyor chains and elevator belting, suitable for the toughest applications.

Their electronics division specializes in level controls, intelligent sensors and safety control systems for bucket elevators and conveyors. 4B components prevent costly downtime and minimize the risk of explosions in hazardous areas. With over 130 years of engineering experience in the bulk handling industry and subsidiaries on all continents along with a worldwide network of distributors, 4B can provide practical solutions for any application no matter the location. With an extensive range of ATEX/IECEX/CSA-approved hazard monitoring systems, misalignment switches, bearing temperature monitors and level indicators, 4B can offer anything from a replacement sensor to a fully integrated hazard monitoring system that can be operated either as a stand-alone system or connected to a PLC or 4B's cloud-based Hazardmon system.

With subsidiaries on all continents along with a worldwide network of distributors, including USA, UK, France, Deutschland,

Africa, Asia, China, Australia, 4B can provide practical solutions for any application no matter the location.

Ensuring their clients have safe, reliable and efficient products is a 4B priority. Continuous research and development maintain 4B products at the cutting edge of technology. The 4B group is committed to keep up its investment in innovation and looks forward to a bright future.

The 4B Braime Group, a British PLC listed on the London Stock Exchange, has just celebrated its 130th anniversary this year. The company has been a pioneer of the material handling industry, introducing the first pressed seamless steel elevator bucket back in 1909 and since then leading the field in elevator bucket design. Innovation has always been at the heart of the group's ethos, and maintaining their tradition of making better products by Engineering Design, 4B has contributed many innovative products and solutions to the material handling industry, including: the Starco elevator bucket (the world's first low profile elevator bucket using centrifugal discharge on a parabolic elevator head which revolutionized the way bucket elevators work until today), the Bolt 'n' Go chain system (a revolutionary assembly method for drop forged chains using bolt-on flights instead of welding), the Watchdog Elite bucket elevator monitoring system (the world's first hazard monitoring system that could monitor a complete bucket elevator or conveyor system), and most recently Hazardmon, a cloud-based hard monitoring solution.

The 4B Braime Group has a rich heritage, tracing back its origins to the 19th century, when oilcans made in a small workshop by Thomas Braime quickly gained a reputation for quality. Thomas,



the eldest son of a veterinary surgeon, was apprenticed to McLaren, an engineering company manufacturing steam traction engine, but after losing his thumb in an accident, was inspired to look for effective ways to apply oil to machinery. In 1888, he set up production in Hunslet, Leeds, using the new pressings technology. His younger brother Harry, also a skilled engineer, joined him as partner. The rise of the motor industry increased demand for metal pressings and larger premises were soon needed for the expanding business.

The current Braime buildings, with its attractive red brick and terracotta frontage, was constructed between 1911 and 1914. During the First World War, the company played an important role in armament provision, training women as skilled munition workers. The group's headquarters remains in its listed buildings on Hunslet Road; the beautiful interiors are often used in film sets. However, today, the group is truly international with subsidiaries in North America, Europe, China, South East Asia, Africa and Australia.