

The forefront of high-pressure connectivity solutions

In the field of earthmoving and lifting equipment, there is a constant commitment to improve functional performances and optimise dimensions. This trend reflects the need to adopt more efficient, versatile, and compact solutions. The achievement of these goals inevitably requires increased pressures and an optimisation of the space required for components. This implies the adoption of more advanced design techniques to guarantee high performances while reducing the overall size of the machines. Within the hydraulic system in particular, both rigid and



strict KPO-Olmark quality criteria, equivalent to 1,000,000 impulses, overcoming traditional spiral hoses.

The search for innovative solutions extends beyond the product itself, thus involving an ecological and environmental commitment, namely focusing on the reduction of plastic consumption. In this respect, Oleomarket implemented a new method to seal the hoses, relying

flexible connections are often subject to extreme constraints. The R&D and Engineering Departments at Oleomarket have developed a range of highly efficient MARHIP hoses and Olmark crimped fittings specifically designed for extreme applications, as required by the market's leading equipment manufacturers.

MARHIP hoses, available in rubber or thermoplastic, are assembled with Olmark crimped fittings, available in a wide range from 1/8" to 3", to ensure reliable and durable performances. In addition, customised composite and rigid hoses can be manufactured to meet specific customer requirements. Thanks to a flexible production process and a commitment to cutting-



edge technology, the company is able to produce customised fittings with SAE or special flanges, welded with a controlled and certified TIG process. Furthermore, Oleomarket's PIXEL4 range of hoses represents the pinnacle of flexible connections, with a bending radius reduced by 50%, a maximum working pressure of 420 bar ISOBAR, tested and certified according to the



on a heat-shrinkable sleeve, which guarantees better quality control and a significant reduction in the use of plastic caps. In a world of constant evolution, characterised by continuous development and new requirements, Oleomarket, with its 45 years of experience in the industry, remains at the forefront of high-pressure connectivity solutions. ■