



**With** our engineering expertise and years of field experience, we are always capable of designing and building longer boom sets that surpass our competition, however, at times, we may need to ask ourselves: does a longer boom equate to greater work efficiency? There is always an optimum point where operability, efficiency and reliability intersect that produce the best productivity for your application and ROI (Return On Investment).

A 3-piece super long front no doubt is more complex in every respect and demands a much higher level of engineering know-how, but it triumphs over a traditional 2-piece boom in terms of articulation and versatility. Its advantages increase proportionally as the demand on the front end reach increases.

Each design is simulated extensively, ensuring design integrity and to detect potential stress and fatigue points. The experience of the engineering team is critically important in producing equipment not only functional but also easy on maintenance. A good design is not about aesthetic appeal, but operability and reliability which are key factors in delivering a truly satisfied product for the world.

The front attachment on a 3-piece long front can access areas where a 2-piece long front is unable to reach due to its limitations on articulation. In short, a 2-piece long front has more "blind spots" in comparison. To access these "blind spots", the machine has to be constantly moved and repositioned, whereas a 3-piece boom configuration reduces the need for frequent manoeuvring of the machine, and therefore improves the productivity and increases fuel economy by a substantial margin.

As the machine size increases, a 3-piece boom offers long term economic value in overcoming challenges in terms of logistics, installation and site accessibility as compared to a bulky and cumbersome 2-piece boom. In addition, the long term cost saving in both land and sea transportation far outweighs the upfront investment of a 3-piece boom.



# 3-Piece Super Long Front

We invest heavily in the latest high-tech equipment to stay abreast with the industry. The boom and arm, being critical components of an excavator, require tight tolerance and



precision. They are bored with a state-of-the-art CNC line-bore machine to ensure perfect alignment at the highest attainable precision for every piece we produce. Every time!



Super long front excavators work in the harshest conditions you can ever imagine. Our ultimate goal is to extend the dependable service life of the product. All long reach front are shot blasted to ensure that the surface is thoroughly clean and free from contaminants and rust. In addition, this process presents the steel with a surface texture that provides



excellent adhesion of prime coat of paint.

Paint works are carried out in industrial grade paint room by highly trained specialist. A layer of primer is applied prior to the final coats of paint with matching colour to the machine that it will be installed.



The finished product is deemed incomplete without the final QC inspection. Every item is thoroughly checked prior to packaging. The subsequent final round of post-packaging inspection is carried out before it is released for shipment.





Our headquarter is located in the city of Johor Bahru within the state of Johor, a metropolitan city at the southernmost tip of Peninsular Malaysia with a population of over two million. It is a mere 10 minute journey from Singapore across the Straits of Johor.

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