

Hansen Industrial Transmissions commits to be a pioneering innovator. The production of high performance gear units stems from an interactive partnership with our clients, the end users and the actively engaged manpower of our global enterprise. Embracing design, manufacturing and customer services, Hansen Industrial Transmissions has grown into a world leader in its field.

Today, we set standards for both product and working environment, inciting a knowing environment to seize all new and inspiring technologies.



Sumitomo Drive Technologies
Always on the Move



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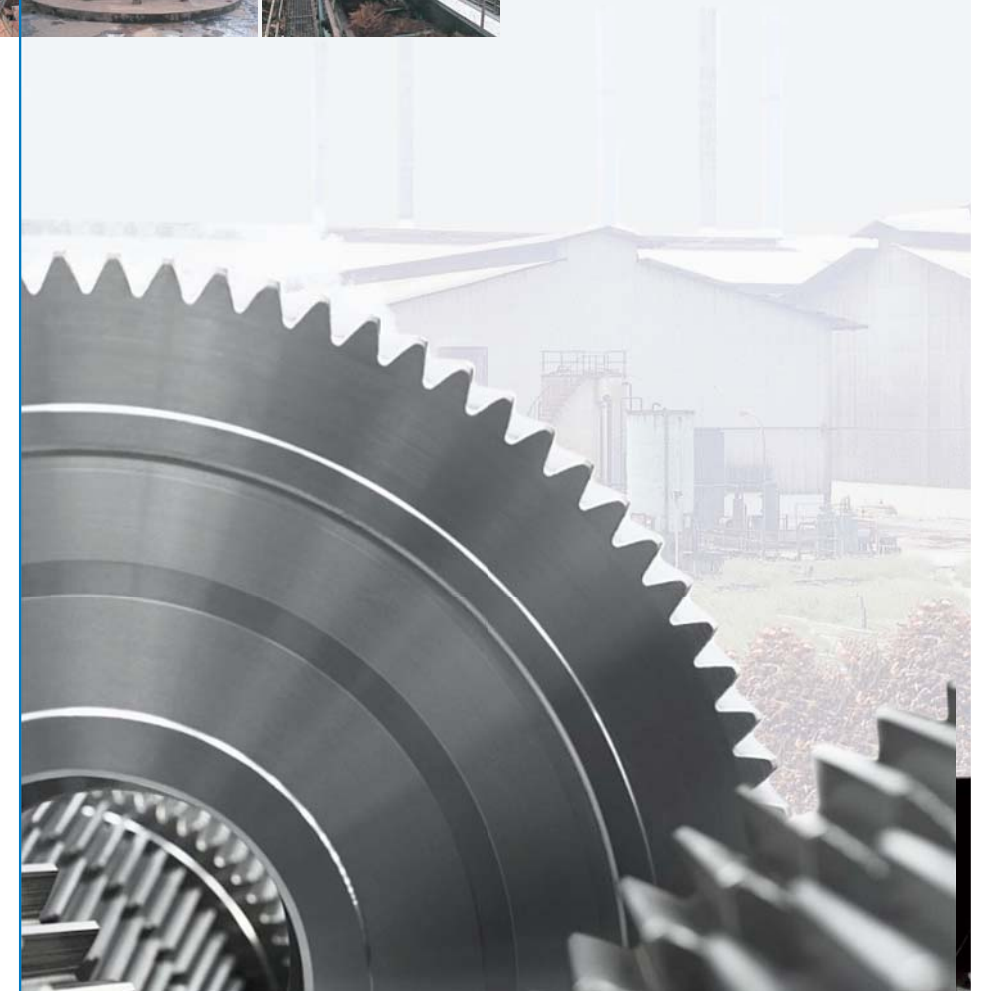
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powerful solutions for the palm oil industry



Sumitomo Drive Technologies



COMPLETE AND POWERFUL SOLUTIONS FOR THE PALM OIL INDUSTRY

Over the last few decades, Hansen Industrial Transmissions has built up solid partnerships with OEM suppliers and end-users in the palm oil industry. Thousands of our gear units, from different generations can be found operating installations in a great number of palm oil mills all over the world. The versatility and durability of these units are well documented: they are used to operate a broad variety of mechanical applications in the palm oil process, such as sterilisation, threshing, digesting, pressing, clarification, and crushing. A palm oil mill includes a whole range of power transmission applications such as digesters, screw presses and kernel expellers. For these and other applications such as capstan, auto-feeters, threshers, conveyors, elevators, airlocks, clarifier stirrers, etc., we manufacture complete drive packages to meet customer specifications. By drawing on the strengths of a variety of product ranges when designing or updating our products, we are able to deliver superior products with top quality performance for the palm oil industry.



Over 2000 of our gear units are quietly operating diverse installations in palm oil mills. Short delivery times, based on, local stockholding, have added to success built on the gear units' high efficiency, low noise levels and ease of maintenance.

Most are employed in 22 kW and 30 kW digester drives on screw and kernel presses, and in conveying applications, calling for trouble-free operation for 16 to 24 hours a day in the post harvest period, under extremes of temperature and humidity.

p a l m o i l i n d u s t r y

■ P4 GEAR UNITS

With the P4 range of standardised gear units we have gained an even stronger reputation as the preferred supplier to the palm oil industry, mainly in Indonesia and Malaysia, the largest producers and exporters of palm oil.



The P4 gear units offer the highest power rating on the market. In full standard execution, they are the perfect drive solution for digesters, screw presses and kernel expellers. Taking into account the severe operating conditions, we have included several features and accessories as standard.



■ HIGH EFFICIENCY

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WHY HANSEN INDUSTRIAL GEARBOXES?

- **We match the drive to the application and offer proven reliability under the most severe conditions.**
- **Basic design rules guarantee maximum stiffness of all gear units components under load.**
- **Carburised and ground gearing of both bevel and helical gears excels in strength, torque capacity, surface durability and low noise performance.**
- **Continuous oil circulation through the bearings ensures a long trouble-free working life for the gear unit.**
- **Our unique Oil-lock™ system offers a maintenance-free sealing on high-speed shaft extensions.**
- **The drywell prevents oil leakage on vertical down shafts.**
- **The internal construction of the gear unit housing allows for simple and complete oil drainage.**
- **The larger units can be easily inspected and serviced on the spot thanks to covers above the oil level.**
- **Optimal micro-gear geometry allows for optimised tip relief for smooth gear meshing, no tip-to-root interference, reduced gear friction losses and low noise levels.**
- **One-stop-shopping for complete drive package solutions.**
- **In-depth engineering support and complete documentation before and after the order. Our global service capability significantly reduces downtime.**

