

ENGINEERING DIVISION

PRODUCTS

- Switchgear
- Electrical & Electronic Products

UNITS

- Tamco Corporate Holdings Sdn Berhad
- Tamco (Singapore) Pte Ltd
- Tamco Shanghai Switchgear Company Limited (China)
- Universal Motor Kontrol Pty Ltd (Australia)
- Kontrol Sales Pty Ltd (Australia)
- PT Kontrol Ragam Indonesia
- Universal Motor Kontrol Hong Kong Limited
- Tamco Electrical & Electronics (Malaysia) Sdn Bhd
- Tamco Electrical & Electronics (Singapore) Pte Ltd
- Tamco Electrical & Electronics (Hong Kong) Limited

The Engineering Division continued to strengthen its leadership in the low and medium voltage switchgear industry in ASEAN. It remained committed to the pursuit of quality, reliability, speedy delivery and innovation in all of its products and services.

Tamco Corporate Holdings has always prided itself on its proactive and innovative approach in meeting the changing needs of the switchgear market. Products are continuously upgraded, and new ones developed to meet different national and international specifications. A comprehensive re-engineering exercise started three years ago has enabled the company to respond quickly and effectively to changing customer demands.

With signs of regional economic upswing becoming more evident, the Engineering Division is actively seeking expansion opportunities in ASEAN and beyond. Southern Africa, South America and Europe have been identified as new territories that could offer ready markets for Tamco products. The Chinese market, with its virtually insatiable demand for energy, holds much promise for wider territorial and product expansion.

Tamco's new slim-line design double tier VCB panel is a product of its proactive and innovative approach to changing customer demands.





Tamco's facilities are well equipped with state-of-the-art manufacturing equipment and systems to ensure optimum efficiency and productivity, and further enhance its competitive advantage.



Tamco switchgear is used widely in the utility, oil & gas, manufacturing, water treatment and construction sectors and is held in high regard by users throughout Asia-Pacific, Middle East and Africa, and in several other parts of the world, for its emphasis on safety, reliability and cost effectiveness.

All manufacturing units within the Tamco Group are certified ISO 9001 compliant for quality, and in addition, extensive independent type testing of Tamco switchgear is done at international testing authorities like KEMA (Netherlands), ASTA (UK), CESI (Italy) and Xian High Power Laboratory (China). Such international certification gives users added confidence, and enables the company's products to gain entry into new markets globally.



In 1999, Tamco introduced a new range of vacuum circuit breakers rated at 17.5kV. This is a voltage rating used in many countries in South America, Middle East and parts of Asia. The new circuit breakers were designed for Original Equipment Manufacturers in these markets, and the market response has been very encouraging.

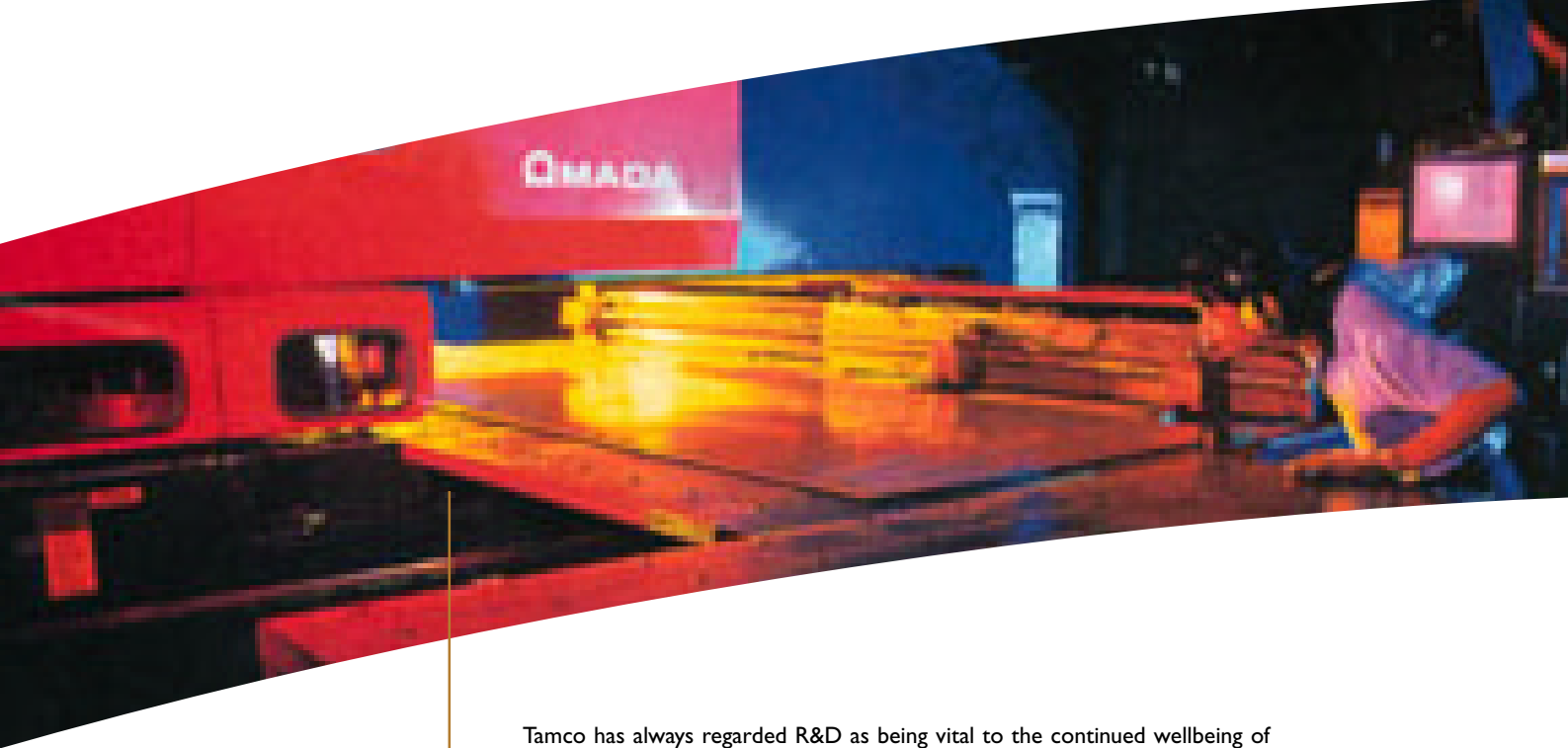
At the same time, a new 24kV vacuum circuit breaker was introduced sporting an “in-line” construction. This type of construction is popular in Europe, and orders for the product have already been secured.

In response to the trend towards more compact switchgear, Tamco brought out a double-tier 12kV cubicle design which effectively halved the space requirement in a substation. The new cubicle also incorporated topical safety features such as “closed door operation” and “arc-fault relief”.

Another development in the same vein is the introduction of a back-to-back version of the company’s established low voltage motor control centre. The new version doubles the number of starter circuits that can be accommodated in one column.



Tamco's medium voltage Ring Main Unit, Type GRI, is designed for both outdoor and indoor installation.



Tamco has always regarded R&D as being vital to the continued wellbeing of the company, and has invested heavily in this activity, both in terms of personnel and equipment. The result is a steady stream of new and upgraded products that will keep the company at the forefront of the switchgear industry.

During the year, the Division also made advances in marketing its automation solutions for utilities and the oil & gas companies, both in the domestic market and abroad. The solutions, offered in partnership with a specialist British company, are designed to meet the growing trend towards remote operation and monitoring of power distribution and motor control equipment.

The Division's three trading operations under the Tamco Electrical and Electronics (TEE) Group continued to perform most satisfactorily in their respective territories. Supplying nurse-call systems to hospitals and welfare institutions remained the forte of the Hong Kong unit. The Malaysian unit delivered sophisticated lighting systems to Sarawak's Mulu Caves, while the Singapore operation continued to achieve success in winning switchgear contracts placed by the island republic's Powergrid and Ministry of Defence.

Nurse-call systems supplied by the TEE Group's Hong Kong unit are widely accepted by hospitals and welfare institutions in Hong Kong.

