

# POLISH TECHNICAL REVIEW

## TARPAN HONKER



Tarpan-HONKER, is a recently launched product of the FSR Vehicle Factory in Poznań. It is a 4 x 4 off-road vehicle equipped with 1600 cm<sup>3</sup> petrol engine or an IVECO 2500 cm<sup>3</sup> turbo diesel. Tarpan-HONKER is a 10 seater with the loading capacity of 1000 kg. The vehicle performs easily in off-road conditions like steep gradients, snow, mud, sand and water.



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#### A laser micro-machine tool

Laser-based equipment used for conducting production processes is faster, more efficient and more accurate than conventional machines. It finds increasing applications.

The laser micro-machine tool developed at the Institute of Plasma Physics and Laser Microsynthesis in Warsaw is designed for correcting the Ag or Ag + Cu electrodes of resonators and piezoelectric filters. It also makes possible the micro-working of thin metallic layers. These micro-machine tools have been used successfully in the Polish industry. For details see p.

#### Equipment for ultrasonic testing of rails

The automatic ultrasonic equipment designed and built at the Higher Engineering College, Radom is used for rail testing. It is installed aboard a wagon travelling at the speed of 40 km/h. An original method based on the superimposition of discrete discontinuities has been utilized in the design of the equipment. The system is now being used for inspecting trunk lines with a considerable degree of railway traffic intensity. See article on p.

#### One- and two-cylinder engines developing 7.4 and 14.7 kW

The one- and two-cylinder engines developing 7.4 and 14.7 kW produced by the ANDORIA Diesel Engines Plant, Andrychów are particularly suitable for driving generators, pumps, compressors, cranes, road-building and construction machines, agricultural machines, etc. These are direct injection, air-cooled high speed engines of a compact design and low weight. Both engines are available in a dozen or so versions and can operate in countries with a tropical climate.

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