

SCREW PRESS EXTRACTION OF VEGETABLE OIL AS A SUBSTITUTE FOR
MINERAL OIL

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Specifically with low plant throughrates, mechanical separation processes are, usually, more economic in comparison with thermal separation processes such as solvent extraction.

Screw presses are already being used on a laboratory scale in some agricultural enterprises for extracting vegetable oil which will be used as substitute for mineral oil. Higher throughrates can be achieved for instance on a co-operative basis, resulting in economically justifiable processing costs.

In this connection, the necessary oil yield is the decisive factor for capital expenditure, energy consumption as well as wear and maintenance costs.

In the meantime, the technology for finish pressing of oil seeds has been developed to such an extent that favourable plant concepts for the extraction of vegetable oil as a mineral oil substitute are available.