
TWIN SCREW OIL PRESS



Introduction

Transport of material in a single-screw press depends mainly on friction between the material and the barrel's inner surface and the screw surface during screw rotation. Thus, a solid core component, like seed hulls, is often necessary to produce the fraction. This sometimes causes excess frictional heat, large energy consumption and oil deterioration. Furthermore, if single screw presses are not configured with breaker bars or other special equipment, they provide inadequate crushing and mixing.

Our twin-screw oil press can be expected to solve these problems because of the higher transportation force, similar to a gear pump, and better mixing and crushing at the twin-screw interface. The oil expressed with twin-screw press had less foreign material than the oil from the single-screw press. Other properties of the oil were also good.

Energy consumption of the twin-screw press was more efficient.

Our twin-screw press extracts the oil from oilseeds with high efficiency and produces a superior quality oil and meal, especially for material that cannot be expressed by single-screw presses without a force feeder, such as de-hulled sunflower seed. Using a twin-screw press also will omit the usual pretreatments of cooking or flaking. The result is that energy consumption for the overall process will be much lower than single-screw processes. And the twin-screw pressing resulted in less protein denaturation as compared to the single-screw press. The twin-screw press has good crushing ability and, therefore, can be used for oil expression from small seeds, such as rapeseed and sesame seed.

Specifications

Working capacity: 150Kg/Hour

Press Screw RPM: 12-16

Main motor power: 15Kw

Vertical auger RPM: 62

Vertical auger motor power: 1.1Kw

Horizontal auger RPM: frequency converter control

Horizontal auger motor power: 0.55Kw

Gearbox lubricating pump power: 0.04Kw

Weight (excluding motor): 3200Kg

Dimension: 3180×1040×1830mm

Quotation

Price: FOB Qingdao USD23345

Payment: 30% deposit and 70% balance before shipment

Packing: Wooden Case

Validity: 30 days since quotation