

This oil extraction screw press has been developed to meet an increasing demand for a relatively unsophisticated small-capacity press, suitable for laboratory work.

It is designed to press seeds, nuts or other fine biomass to extract the oil. In addition a cake is formed which can be further purified down stream.



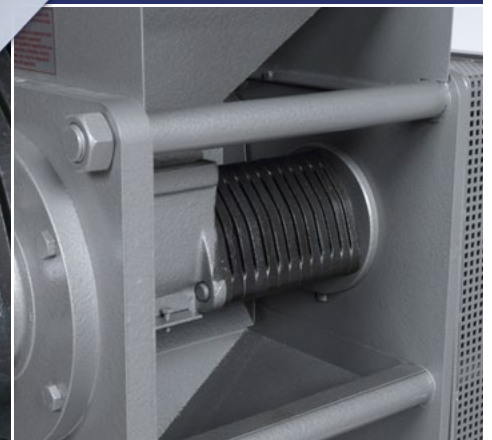
Press wheel markings



Close up of adjustable cast rings



FT28 - Cover removed for inspection



Features / benefits

- ▶ Very simple controls
- ▶ Robust design
- ▶ Self-lubricating shaft in product contact areas
- ▶ Removable panels for viewing process and safety
- ▶ Quiet processing

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Applications
ChE IP

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Description

Seed or ground meal is gravity-fed to the press from an integral feed hopper fitted with a manually operated shut-off slide. The thickness of the press cake may be varied. The press is driven at the discharge end through a single-reduction helical gearbox. The power source is a 4kW, four-pole, three-phase electric motor. Typical throughput data for various seeds is shown in the table below.

Requirements

Scale



Electrical supply:

FT28-C: 415V / 3ph / 50Hz / 25 amp
 FT28-D: 208V / 3ph / 60Hz / 25 amp
 FT28-E: 380V / 3ph / 50Hz / 25 amp
 FT28-F: 220-240V / 3ph / 60Hz / 25 amp

Technical details

FT28-E version:

Screw press, having barrel constructed from separate cast rings spaced apart by shims. 60mm diameter bore, 155mm drainage length with single-piece wormshaft driven at the discharge end through a single-reduction helical gearbox.

Complete with feed hopper, manual feed chute, oil discharge chute and suitable base plate. Includes: one 4kW, four-pole motor, 1,450rpm with starter.



FT28 Oil Extraction Screw Press, picture showing hopper & powerful motor

Seed	Pre-treatment	FIRST PRESS		SECOND PRESS	
		Through put Kg/hr	% Oil in cake	Through put (1st press cake) Kg/hr	% Oil in cake
Sunflower	Clean	35/40	15/28	40	12
Rape	Clean	35/40	17/20	40	13
Linseed	Clean	28	20	40	12
Copra	Clean and break to 10/12mm pieces	40	30	40	12
Palm kernels	Clean and grind to 8 mesh	35/40	20	35	12
Macadamia kernels	Clean	30 (60% kenels/ 40%cake)	20/24	30	14/16

Overall dimensions

Length	1.20m
Width	0.99m
Height	1.09m
Packed and crated shipping specifications	
Volume	1.10m ³
FT28	320kg



Ordering specification

- ▶ Oil extraction screw press suitable for use in the laboratory
- ▶ Complete with feed hopper, manual feed chute and oil discharge
- ▶ 4kW electric motor
- ▶ Suitable for use with a wide range of seeds or ground meals

Ordering codes

FT28-C FT28-D FT28-E FT28-F

Armfield standard warranty applies with this product

Knowledge base

- > 28 years expertise in research & development technology
- > 50 years providing engaging engineering teaching equipment

Benefit from our experience, just call or email to discuss your laboratory needs, latest project or application.

An ISO 9001:2015 Company



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Aftercare

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