

AB-2000XP OIL PRESS



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| AB Heavy duty construction | AB Force-feed "Crammer" <u>fitted as standard</u> |
| AB Cost-effective and durable | AB Oil/meal separation adjustment |
| AB Very low maintenance | AB Oil filtration & oil transfer options |
| AB Through-hardened internal parts | AB Stainless steel oil collection tank |

**FULLY COMPATIBLE WITH DRY EXTRUDER FOR
EXTRUSION - EXPELLING
OR**

AS AN INDEPENDENT COLD PRESS

AB-2000XP OIL PRESS

AB-2000XP was developed primarily as a press unit to function as part of the Extrusion-Expelling Process.

This uses dry extrusion technology to heat treat oilseeds at high pressure/ temperature, in a controlled process lasting less than 30 seconds. Dry extrusion generates heat through mechanical friction; the process can sterilise, stabilise, dehydrate and modify fibre in a single "pass" through the extrusion barrel. For oilseeds such as soyabeans, we use the extruder to inactivate harmful enzymes and anti-nutritional factors (ANFs). The process also ruptures the oil cells, improves digestibility and releases natural tocopherols throughout the material, resulting in enhanced shelf-life for the end-product.

After extrusion the robust 2000XP is used to

separate oil from the meal. A variable choke mechanism provides adjustment of oil and meal separation. The press cage assembly can be configured for a variety of oilseeds. A collection tank holds expelled oil for pumping to downstream filtration and/or settling processes.

The AB-2000XP oil press combines with our well-known dry extruder to create a "perfect package" of core equipment for extrusion-expelling. Both machines can be supplied either as a package or as separate free-standing units.

For those seeds not requiring prior heat treatment, the **2000XP** can be used as a stand-alone cold pressing unit (throughput levels will be reduced without prior extrusion).

APPLICATIONS:

-  soyabeans
-  cottonseed
-  sesame
-  sunflower seed
-  groundnut
-  others

EQUIPMENT SPECIFICATIONS:

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|-----------------------|---|
| Production capacity: | <ul style="list-style-type: none">• 700-900 kg/hr (approx) for extrusion-expelling• up to 500 kg/hr for other uses |
| Electrical: | <ul style="list-style-type: none">• 3-phase 50Hz or 60Hz |
| Main Drive: | <ul style="list-style-type: none">• 22kW (30hp) |
| Crammer Drive: | <ul style="list-style-type: none">• 1.1kW (with 90° drive) |
| Dimensions (mm): | <ul style="list-style-type: none">• 2880 (L) x 1400 (W) x 2605 (H) |
| Net weight : | <ul style="list-style-type: none">• c. 4,260 kg (incl. main drive, stand & oil tank) |
| Operating Capability: | <ul style="list-style-type: none">• 24hrs/day |
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