

## SCREW PRESSES



A proven design borne by many years' of experience in the operation of palm oil mills.

### **Drive**

Driven by a Robust Geared Speed Reducer coupled to the spur gear unit.

### **Press Construction**

Designed with ease of maintenance and a long production lifespan as the main engineering criteria. The press construction is machined to precise tolerances from carbon steel and stainless steel and is in three detachable sections.

### **Pressure Cones**

The press pressure is regulated by pressure adjusting cones coupled with a heavy duty hydraulic system.

### **FEATURES**

#### 1. High Extraction Efficiency

The precise engineering and manufacturing of this screw press ensures a high extraction efficiency with minimal nut breakage.

#### 2. Durability

All component parts of this press are engineered and precision machined using quality materials to ensure a long operational life. Heavy duty roller bearings are used throughout to ensure smooth and reliable operation.

#### 3. Easy Operation

The press is designed for simplicity of operation where only one Operator is required to supervise several presses. Pressure cone adjustments are simple and can be automated or manually adjusted as required. This flexibility will ensure continuous pressing operation.

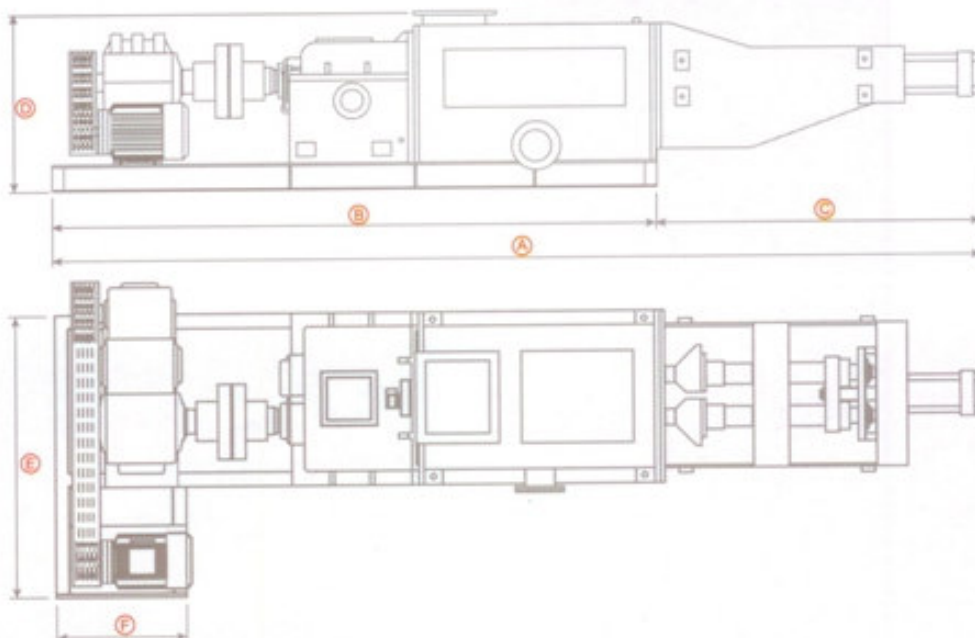
#### 4. Maintenance

The maintenance aspect of the press is simple and requires no special tools. Replacement parts are interchangeable between presses, thereby reducing the cost of stocking spare parts.

#### 5. Efficient Technical Back-up Service

All required spare parts are readily available ex-stock. On-site repair by our experienced technicians are also possible at a reasonable cost.





**INSTALLATION / SHIPPING DATA** (All dimension are in millimeters)

Model	A	B	C	D	E	F	Wgt/Kg (Approx)	Shipping Vol (m3) (Approx)
CB 10T	4875	3200	1675	1020	1510	600	5500	7.5
CB 15T	4875	3200	1675	1020	1510	635	6000	7.5
CB 20T	5360	3840	1525	1180	1730	635	6500	10.0

**SPECIFICATIONS**

Model	CB 10T/C	CB 15T/C	CB 20T/C
Type	Horizontal Double Worm Screw		
Capacity (FFB Ton/Hr)	10 - 12	15 - 17	20 - 25
Motor (kW)	22	30	37
Gear Reducer	Hansen, Flender, SEW, Sumitomo or equivalent		
Hydraulic System	Rexroth / Vickers or equivalent		
Spur Gearbox	Cast Iron Split Casing Type		
Body & Cone Section	Mild Steel		
Press Cage	Mild Steel / Carbon Steel / Stainless Steel		
Drive Shaft	ASSAB 709	ASSAB 705	ASSAB 705
Type of Worm Screw	Full	Full	Segmented
Material of Worm Screw	Cast Steel / Chromium Molybdenum Steel		
Bearing	SKF or equivalent		
Strainer	Stainless Steel		
Adjusting Cone	Cast Steel		
Cone Guide	Cast Iron		
Spur Gear	ASSAB 709 (Hardened)		

**PERFORMANCES**

The oil loss and nut breakage are dependent on the type of FFB, quality of ripeness, sterilisation and digesting. Average loss figures on mature ripe D X P FFB with proper sterilisation and digesting.

Model	CB 10T/C	CB 15T/C	CB 20T/C
Oil Loss on NOS	6 - 8%	6 - 8%	7 - 9%
Nut Breakage (On Nuts)	7 - 9%	7 - 9%	7 - 10%
Nut Breakage (On Sample)	10%	10%	15%

Modipalm Engineering Sdn. Bhd. reserves the right to change all specifications and dimensions without prior notification.



**MODIPALM ENGINEERING SDN. BHD.** (210753-U)  
 (A wholly owned subsidiary of CB Industrial Product Holding Berhad)  
 Lot 3 & 4, Jalan Waja 15, Kawasan Perusahaan Telok Panglima Garang,  
 42500 Telok Panglima Garang, Selangor Darul Ehsan. MALAYSIA.  
 Tel: (6) 03 - 3122 7117, 3122 8899 (Gen. Line)  
 Fax: (6) 03 - 3122 7152, 3122 9152  
 Email: info@modipalm.com.my