



# UMAS VIP MK5 LONG CAGE OIL EXPELLER



**50/60 TONS IN SINGLE PRESSING AND  
150 TONS IN PRE-PRESSING  
A BREAK-THROUGH IN HIGH EFFICIENCY AND QUALITY**

**UMAS OIL EXPELLERS  
ALL STEEL FABRICATED WITH CAST STEEL CHAMBER**



**UNITED OIL MILL MACHINERY AND  
SPARES PVT. LTD**

MANUFACTURERS AND EXPORTERS OF OIL MILL MACHINERY, OIL EXPELLERS / SCREW PRESS, SEED FLAKERS AND CRACKERS,  
SEED PREPARATORY EQUIPMENTS, OIL FILTERS, OIL REFINING PLANTS AND ALLIED EQUIPMENTS.

# UMAS

## VIP MK5 LONG CAGE OIL EXPELLER



### **All Steel Fabrication and Improved Design**

For perfect alignment and stability.

### **Vertical Hinged 120" Long Pressing Box**

Entirely eliminates the difficult task of removing box for relining or for replacement of worms, which saves lot of time and labour.

### **Steel Casted Chambers**

Reduces time and labour for relining of Cage Bars.

### **The main Shaft**

Of the Expeller is water cooled and is of alloy steel construction, fitted with High Pressure Worms, hard faced, with a highly wear resistant chromium cobalt alloy. The worm arrangement has been designed to expel the maximum recoverable oil from oil bearing materials.

### **Shaft Withdrawal**

The main Worm Shaft can be withdrawn very easily without disturbing the gear section in any way. Pressing worms and collars can be changed without disturbing the main shaft. The thrust of the pressure worms is taken upon large spherical roller thrust bearings.

### **Compressor / Force Feeder**

The feeding hopper has a vertical feed device, which compacts the seed coming from the heating kettle, and press it uniformly into the cage. A Horizontal Conveyor with a Stainless Steel Force Feeder can also be supplied at an extra cost.

### **The cake at the discharge end**

Of the main cage is controlled by manually operated arrangement which is so simple that the choke system is independent of the main drive and there is no possibility of a sudden load being placed on Expeller motor. A motorized system can also be provided at an extra cost.

### **An oil discharge conveyor**

Is fitted along the full length of the Expeller having right and left hand flights to deliver the oil to point. The drive is from the main Gear Box or an independent Geared Motor System is provided.

### **Power**

The power required to drive the "UMAS" VIP MK5 EXPELLER is 150 HP for single pressing/pre-pressing. However, this may vary depending on the seed to be crushed.

### **Gear Box & Lubrication**

A triple helical gear unit made from most suitable special steel, running in oil bath. All shafts run on antifriction bearings. Drive housing is oil tight and dust proof, totally enclosed design and is fitted with level indicator. A self contained lubrication arrangement has been provided.

### **Capacity**

The crushing capacity of "UMAS" VIP MK5 Oil Expeller is 50/60 tons per day in single pressing and 150 tons per day in pre-pressing depending upon the materials being crushed and the working conditions.

### **Kettle and Pressure Steam**

The steam kettle is of adequate capacity with 5'-6" dia., five high pressure tested steam jackets fitted with self controlled meal inlet to prevent overflowing, with steam spray arrangement in top and bottom jackets, safety valve, an air venting connection and separate motorised exhaust unit. The Cooker has independent Gear Box and Motor of 25 HP and 1.5 HP for aspiration system.

### **Steel Structure for Cookers and Motor Control Cabinet**

Are provided as standard accessories.



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