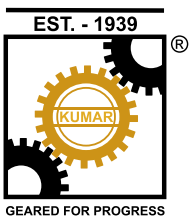


Introducing Kumar's XP 400



Purpose-built for industrial-scale
pre-pressing with higher recovery, lower
residue, and zero-chemical operation



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The future of oil extraction is here, and it's built by Kumar.

The XPress 400 represents the next generation of mechanical oil extraction from Kumar—engineered for large-scale processors who require consistent throughput, minimal downtime, and high oil recovery without compromising on operating cost or maintainability.

With a pre-press capacity of up to 400 TPD and residual oil as low as 16%, it is designed to operate under heavy loads with minimal intervention. Its high-torque gearbox, hydraulic adjustments, and automation readiness make it a durable, process-stable solution that integrates seamlessly into modern extraction plants.

Why XP400?

- Built for sustained industrial performance—delivers high oil recovery at scale while minimising energy, wear, and operator input.
- Hard-faced wear components and heat-treated alloy steel internals extend service life under high load conditions
- Water-cooled shaft enhances thermal stability in continuous runs.
- Hydraulic system enables tool-free opening of the press chamber and adjustment of cone pressure, reducing maintenance downtime.
- VFD-enabled drive for feed rate control and a PLC-interlocked automation system to ensure operational safety and consistency

The XP 400 combines Kumar's signature mechanical reliability with modern process intelligence. It is a true workhorse, engineered for output, and built for endurance.

Pre-press capacity	350–400 TPD
Residual oil in cake	16–20%
Power requirement	400–500 kW
Feed chamber	Ø380 mm × 1350 mm
Discharge chamber	Ø342 mm × 1600 mm
Machine weight	approximately 28 MT
Footprint	L-7045 mm × W-4085 mm × H-4440 mm
Construction	Premium-grade alloy steel, precision-cast chamber

Ideal for a range of oilseeds including copra, sunflower, mustard, rapeseed, groundnut, soybean, sheanut



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Sustainable engineering for Food, Feed, Fuel & Circular Economy applications

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