

THE KUMAR BULLETIN

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INNOVATION SPOTLIGHT
Kumar's CFX Extractor

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LIMELIGHT
Meet Niles Pande,
General Manager, Machine Shop

Presenting Kumar's CFx Extractor

A specialised extractor for
optimum oil recovery

See where the CFx
Extractor fits into a
complete coconut oil
processing line, from
copra prep to refining.

[READ ON OUR BLOG](#)

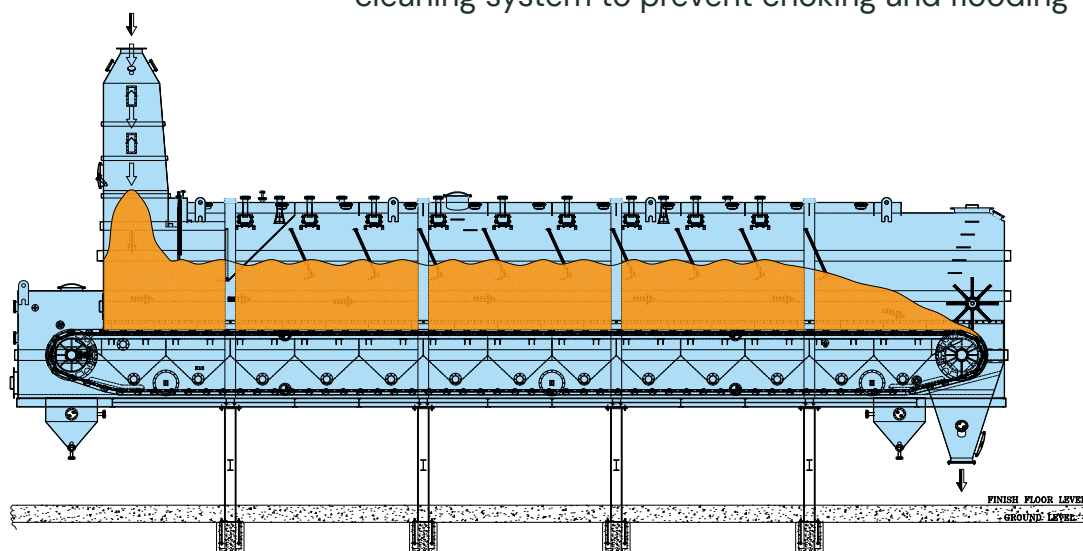
Find out what
separates a profitable
solvent extraction
plant from the rest,
and how equipment
quality drives it.

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Kumar's CFx Extractor is a horizontal, counter-current extractor designed to maximise oil recovery through controlled miscella flow and efficient percolation across a moving bed. A specifically engineered wedge wire screen supports stable operation and effective solvent-meal contact.

How it works

Prepared material is fed into a hopper and conveyed through the extractor on an articulated band conveyor at a slow, predetermined speed. Bed height is regulated by an adjustable damper. Solvent is applied through spray breakers to maintain controlled distribution across the bed. The conveyor acts as a filter bed to limit fines, while the wedge wire screen is kept clean using an integrated cleaning arrangement, including a high-pressure liquid cleaning system to prevent choking and flooding





Features

- Miscella circulation and percolation design engineered for efficient solvent–meal contact and higher oil recovery
- Draining time designed for low residual solvent in extracted meal, reducing DT load and energy cost
- Articulated band conveyor with bed height control for stable extraction conditions
- Spray breaker system with light and sight glasses for controlled application and visibility
- Wedge wire screen with internal and external cleaning to minimise choking and flooding
- Vapour-contact parts in stainless steel for improved longevity
- SS hopper constructed without welding joints
- Articulated chain/rail drive design for minimal maintenance
- Safety provisions including snuff steam arrangement and aluminium manholes
- No-load trials before shipment; supports, fixtures, drive platform, and prefabricated side sealing supplied for easier installation.

PROJECT UPDATES

Kumar MK VII Expeller for a repeated customer to expand existing plant capacity from 150 TPD Oil Mill to 180 TPD CNSL plant

Project location: WEST AFRICA
Status: RECENTLY DISPATCHED



1000 TPD Soybean Preparation with warm de-hulling

700 TPD Canola Prepress

Continuous Solvent Extraction Plant for soybean flakes/canola prepress cake

200 TPD White Flake Plant

3*1.2 TPH TSP Plant

Project location: MIDDLE EAST

Status: SUCCESSFULLY HANDED OVER







COME OVER, SAY HELLO!

SEA COTTONSEED
& GROUNDNUT
CONCLAVE

 22 – 23 August

 Rajkot, India

INTERNATIONAL SOY
CONCLAVE (SOPA)

 Booth # 41

 16 – 17 October

 Indore, India

Watch our corporate video



Continuous improvement on the shop floor. My journey at Kumar.

– in conversation with Nilesh Pande, General Manager, Machine Shop

Engineering growth from the shop floor

I was drawn to Kumar Metal Industries because it is an EPC company with versatile end-to-end capabilities, backed by strong after-sales support that delivers real value to customers. More recently, our focus on circular economy solutions, digitisation of business processes, and adoption of cutting-edge technologies has made the journey even more exciting. Being part of an organisation that continues to evolve while building on a strong engineering foundation has been both rewarding and inspiring.

A culture of collaboration

What I value most about working at Kumar is the culture of inclusion and collaboration. Despite being an 86-year-old company, it continues to embrace new ideas and encourages continuous improvement. I have always received strong support from both the shop-floor teams and the top management, who actively educate, mentor, and empower people to grow. That environment makes it easier for teams to perform, learn, and succeed together.

Building systems for better performance

Every day begins with setting clear goals and ensuring the right tools and systems are in place so the team can work efficiently. Alongside day-to-day execution, we place continuous emphasis on training, competency building, and developing robust ways of working. Clearly defined KRAs and KPIs provide direction, help measure progress, and keep everyone aligned with business objectives.

Delivering more with continuous improvement

One achievement I am particularly proud of is reducing spare delivery lead times during 2024–25. Our team's participation in World Class Manufacturing (WCM) process improvement initiatives has also strengthened our manufacturing capabilities and improved overall efficiency. These improvements may appear incremental, but together they make a significant difference to how we deliver value to our customers.

Driving quality through measurement

Quality and innovation are driven by disciplined systems and continuous monitoring. We track performance through KPIs and structured reporting mechanisms while carefully

Persistently develop your skills and competencies to match the changing world and evolving business scenarios.



Nilesch Pande

planning CAPEX investments to strengthen our operations. Wherever required, we validate new ideas through proof-of-concept initiatives before implementation, ensuring that improvements are practical, measurable, and sustainable.

Meeting challenges together

One of our biggest recent challenges was managing a healthy order backlog in the Oil Mill division while simultaneously transitioning to a new ERP system. Despite the additional complexity, the team maintained the entire supply chain through disciplined planning and manual data management, enabling us to deliver 37% higher volumes year-on-year. It was a great example of teamwork, adaptability, and commitment under pressure.

Empowering team-mates

I believe people perform at their best when expectations are clear and growth is encouraged. Our performance review mechanism helps us engage, empower, and educate every team member while creating a clear path for professional development. When individuals understand how their work contributes to larger business goals, they take greater ownership of their responsibilities.

Creating customer value

The most rewarding part of my role is finding ways to maximise value for customers while reducing their effort. I believe in creating process-oriented solutions rather than person-oriented ones. Strong systems deliver consistency, improve efficiency, and ultimately create better outcomes for both customers and the organisation.

Incremental improvements for significant results

Small improvements often create the biggest impact. Initiatives such as automation of the HF welding process, development of an in-house bailing machine, and introducing a special-purpose grinding machine have improved productivity while strengthening our manufacturing capabilities. These innovations reflect our focus on practical solutions that deliver long-term value.

For the next generation

At the same time, never stop developing your skills. Business environments continue to evolve rapidly, and the ability to continuously build new competencies is what enables individuals to stay relevant, contribute effectively, and grow into leadership roles.

– **Nilesh Pande**

General Manager, Machine Shop



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