

FISHMEAL PROCESSING PLANTS & EQUIPMENT

MAXIMUM YIELD, HIGHER QUALITY
MEAL AND OIL

LOWER EMISSIONS & OPTIMUM
ENERGY EFFICIENCY



DUPPSTM

STATE-OF-THE-ART ENGINEERING • UNSURPASSED PERFORMANCE

Complete, turnkey fishmeal processing plants from Dupps — including design, manufacturing, installation and commissioning — offer superior efficiency, durability and product quality. With equipment tailored to your feed stock, energy requirements and production goals, Dupps has what you're looking for, including maintenance and support for installations worldwide.

Individual system components optimized for fishmeal process requirements are also available, and include cooking, solids/liquids separation, stickwater evaporation, drying, raw material handling, mixing, cooling, scrubbing and control systems.

1 RAW MATERIAL HANDLING

Dupps offers a full range of raw material bins, conveyor systems and pumps, including two model lines of Lamella Pumps ideal for fishmeal applications.



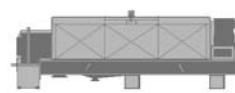
2 COOKING

Designed specifically for fish processing, Dupps cookers feature a unique shaft design and greater control for higher quality, more consistent product.



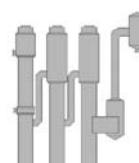
3 DEWATERING & CLARIFICATION

Choose from twin- and single-screw high performance presses tailored to your plant requirements, along with decanters in a choice of sizes and configurations.



4 EVAPORATION

The Dupps Stickwater Evaporator design lowers liquid retention time to reduce product degradation and minimize waste during evaporator cleaning operations.



5 DRYING

Only Dupps offers the unique Airless Dryer that improves quality, boosts efficiency and enhances safety. Genuine Dupps disc-type and ring dryers are also ideal for specific plant sizes and applications.



1

Ideally suited for all kinds of raw material and every system configuration, the **Dupps Lamella Pump's** rugged impeller vane design and eccentric 'cam' motion handles a wide range of materials from viscous to 'boney'. Complementing the original D Model pump, the new H Model pump and pump parts are drop-in replacements in many existing installations.

**2**

Dupps Fish Cookors™ feature a unique shaft design that promotes uniform temperature throughout the cooking zone for a more consistent, high-quality product. It also enhances oil, water and solids separation downstream of the cooker. The shell and shaft are indirect steam heated — indirect steam can be returned to the boiler without treatment, and no direct steam injection means less evaporation load on the entire system.

**3**

For smaller plant capacities, the **Dupps Single Screw Fish Press** provides the performance of a larger press at a much lower capital and operational cost. For larger throughput requirements, the proven **Twin Screw Press** design offers unsurpassed performance and long-lived durability under even the heaviest loads.

**4**

The **Dupps Stickwater Evaporator** features falling film technology that minimizes liquid retention time, reducing product degradation as well as waste during cleaning. Available as a single or multiple effect system, it can be designed to use waste process vapor and/or high pressure steam as a heat source. ASME Code design and stamping is available, as is an automatic, tube side clean-in-place system.

**5**

The unique rotary drum **Dupps Airless Dryer** uses low-oxygen, superheated process vapor as the drying medium. This results in less product degradation — no oxidation and no scorching — for far greater product quality and consistency. With airless technology, capacity requirements for odor control equipment are dramatically reduced, as is the risk of in-drum fires.

Dupps Discor® indirect steam heated dryers serve a wide range of plant capacities, and flash **Ring Dryers** are ideal for applications such as crab and shrimp waste drying.



Engineering and Manufacturing

Dupps engineering experts, with years of experience in the fishmeal processing field, include world renowned authorities on fishmeal plant engineering design and development. Combined with 85 years of leadership in the design and manufacture of protein co-products processing systems — and worldwide installation and service — Dupps offers unsurpassed capability to provide efficient, profitable and sustainable solutions.



Worldwide Service and Support

"Dupps Won't Let You Down" is the promise we make to every customer. This pledge is backed by the one of the largest and most experienced service and support teams in the industry. Our staff of full-time field service technicians is expert in every aspect of maintenance and repair of fishmeal processing systems and equipment. With a full inventory of maintenance and repair parts, we stand ready with the fastest possible response, often within twenty-four hours of a call.



For more information on Dupps fishmeal processing plants and equipment, call 937-855-6555, email info@dupps.com or visit www.dupps.com today.

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