



**DUPPS CONSULTING SERVICES
NO LOFTY THEORIES
REAL DOLLAR PAYBACK**



DUPPS CONSULTING SERVICES

THE EXTRA THROUGHPUT, GREATER UPTIME AND CONSISTENT QUALITY YOU NEVER KNEW YOU HAD.

Often the most cost-effective way to increase a plant's efficiency and uptime — and improve product quality — is to optimize what is already in place. The Dupps Consulting Services team will help you realize the untapped performance that's just waiting to get out of your Dupps Cookors, Pressor® screw presses and other process systems.

Through its many years of designing, building, installing and servicing all kinds of rendering machinery, as well as entire rendering facilities, Dupps has developed the accumulated experience that can help improve nearly any plant — sometimes dramatically so.

Dupps consulting services have proved especially beneficial for older plants which may not be using the latest equipment or control technology for feedstocks that have changed over time, or may be facing the loss of institutional knowledge through employee turnover.

With ever increasing demands to produce higher volumes and higher quality products, even well-run operations have benefitted from Dupps extensive process knowledge.

The most common areas of improvement are:

- **Improved throughput** Changes to feedstocks — or simply just increased demand — often require more pressed cake per hour than ever before.
- **Increased uptime** Plant or machine downtime is becoming even more costly, particularly in rendering departments that are part of a complete poultry, pork or beef processing facility.
- **Reduced maintenance and operating costs** Along with service improvements are opportunities to reduce maintenance costs with tailored maintenance schedules and regimens, and increase efficiency with optimized operating parameters.
- **Improved product quality** Demand for less residual oil in meal, as well as extracting more oil for sale, means there is value added in re-configuring pressing machinery for optimal oil extraction.

“Just re-configuring our presses increased throughput for both meal and oil by 38%, and lowered the residual oil in the meal by 1.5 percentage points. It was eye-opening to learn from the Dupps staff about better operation and maintenance of the facility.”



Consulting projects are tailored to each client's unique needs, ranging in scope from an entire plant evaluation, to optimizing a specific piece of rendering process equipment. Throughout the project, Dupps consultants work closely with management, plant operations and maintenance staff; often operators and maintenance personnel benefit by learning best practices during their time working alongside Dupps' expert staff.

A comprehensive final report details project findings, and includes recommendations specifically aimed at achieving the client's goals. These recommendations often reveal no- or low-cost, easy to implement steps to dramatically improve plant or equipment performance, as well as longer-term investments that can boost throughput, increase uptime, improve product quality and lower operating costs over time.

"A lot of times bad habits can be formed over the years and the service really helps to set up SOP's to maximize the equipment. This provided a great learning tool for all involved. We would definitely use this service again."



CASE HISTORY

EVALUATE PRESSING OPERATIONS — PORK RENDERING

Objectives

- Increase throughput.
- Reduce fat residual in the meal.
- Reduce maintenance cost.

Due to varying protein and fat percentages in the feed, coupled with variable feed rates, the plant was struggling to deliver a consistent finished product from 'soupy'/high fines feedstock. Dupps consultants conducted a five-day press optimization evaluation, systematically reviewing press configuration and operational and maintenance procedures. Multiple changes were recommended, all focusing on increased productivity and output quality without adding capital equipment.

Results

- Meal and oil production were both increased by 38%.
- At the same time, fat residuals in pressed cake was reduced by 1.5 percentage points.
- Additional plant capacity amounting to a \$16,000,000 annual increase in revenue opportunity.

CASE HISTORY

WHOLE PLANT EVALUATION — BEEF RENDERING

Objectives

- Reduce the time needed for required meal and tallow production.
- Eliminate periodic increases of fat residual in the meal — sometimes as high as 13%.

Over a three day period, Dupps consultants evaluated the plant's entire operation, and provided thirteen procedural, process and control improvement recommendations that could be implemented quickly, and at little or no cost.

Results

- A 27% increase in productivity, allowing the plant to reduce operating hours, and save \$350,000 annually, for the required plant output. Alternatively, the plant could increase production to the point of \$4,600,000 in annual increased revenue. An added benefit — sufficient time to conduct preventive maintenance on equipment, and avoid costly breakdowns and outages.
- Simple procedural changes eliminated the periodic increases in fat residuals.



A single call can put you on the path to the best return on investment you'll find.

Let us know about your special challenges and goals. We'll assign expert consultants based on those specific needs, whether for an entire process plant evaluation or optimizing a single piece of Dupps-supplied equipment.

Contact Dupps Consulting Services today at 937-855-6555, or email info@dupps.com.

The Dupps Company • Germantown, Ohio • www.dupps.com

