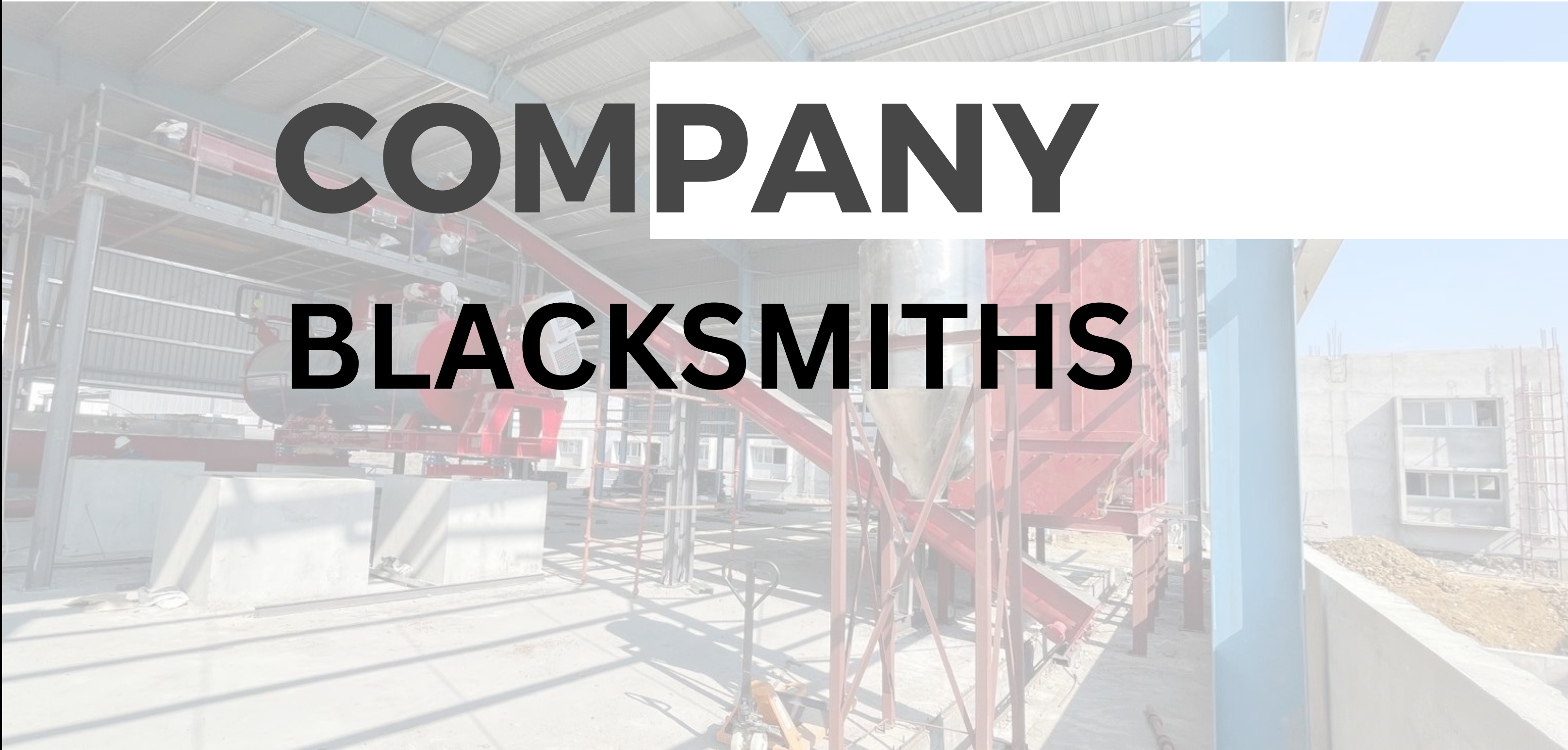


S I N C E 1 9 9 5

COMPANY BLACKSMITHS

The background image shows an industrial setting. In the foreground, there are large, light-colored concrete blocks. Behind them, a large red industrial machine, possibly a conveyor or a sorting system, is visible. The machine has a complex structure with various pipes and supports. The scene is set outdoors, with a clear blue sky and some industrial buildings in the background. The overall tone is industrial and professional.

WELCOME TO OUR COMPANY

BLACKSMITHS is a dynamic manufacturing company based in a small town- Khatauli in State - Uttar Pradesh, India. We dedicated to our mission with a focus on rendering industry, we strive for excellence in this era. Our commitment to innovation and customer satisfaction drives us to deliver unique value proposition in market. We have been delivered more then 72 rendering units in domestic and international market's.

LEARN

MORE



P R E S E N T A T I O N

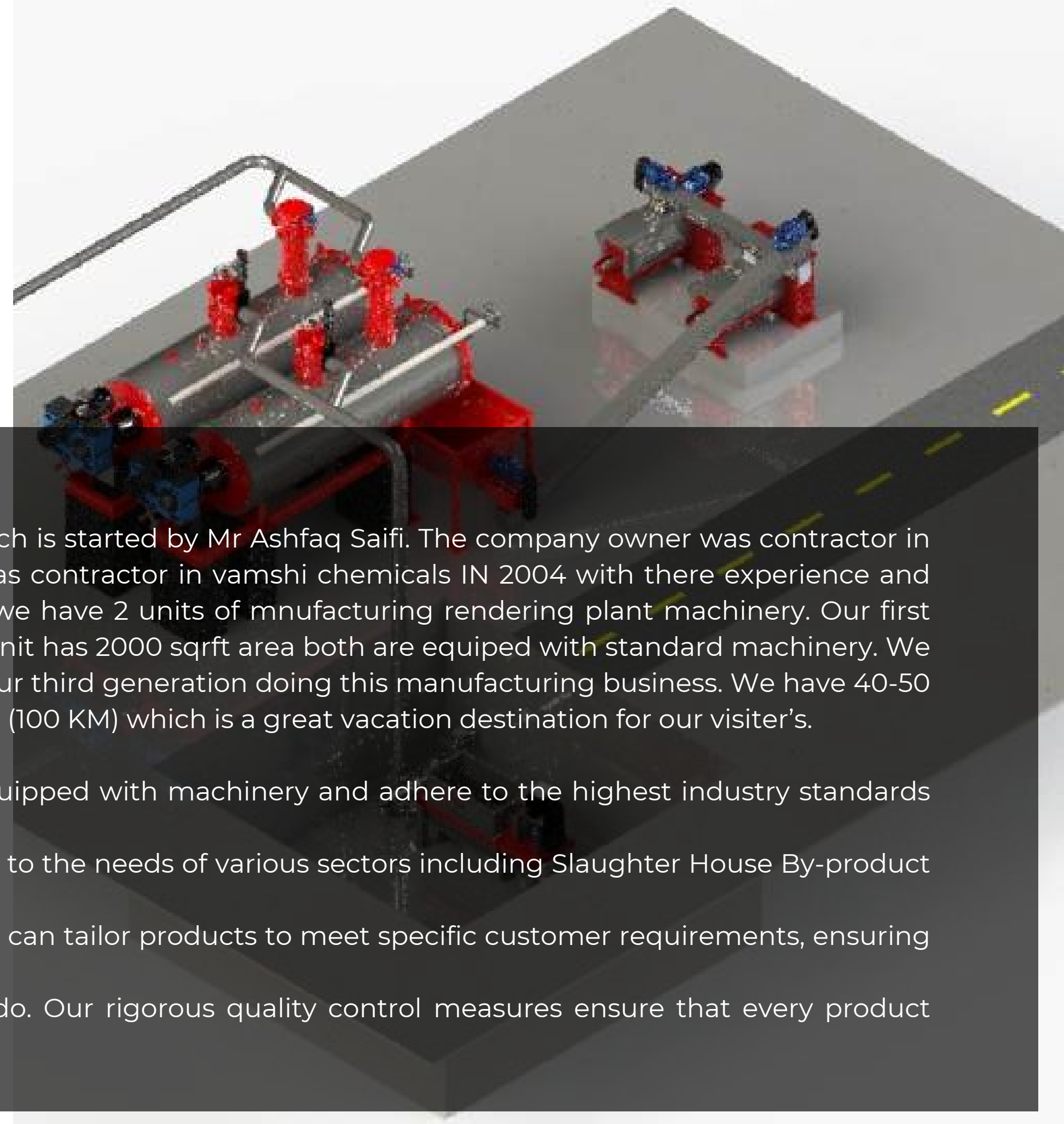
WHAT DO YOU KNOW ABOUT OUR COMPANY?

Description Here

Blacksmiths is a leading manufacturer company since 1995 . Which is started by Mr Ashfaq Saifi. The company owner was contractor in Bone mill Industry in local town of khatauli. after then working as contractor in vamshi chemicals IN 2004 with there experience and knowledge we started manufacturing company 2006 and now we have 2 units of mnufacturing rendering plant machinery. Our first company is in town area which is of 3000 sqrft area and second unit has 2000 sqrft area both are equiped with standard machinery. We manufacture whole rendering plant in house since 2008. This is our third generation doing this manufacturing business. We have 40-50 manpower in our company. Our company based near Uttrakhand (100 KM) which is a great vacation destination for our visiter's.

Key Features:

- State-of-the-Art Facilities: Our manufacturing facilities are equipped with machinery and adhere to the highest industry standards for quality and safety.
- Product Range: We offer a diverse range of products, catering to the needs of various sectors including Slaughter House By-product rendering, Chicken Offal Rendering & Fish Meal Plant.
- Customization: With our flexible manufacturing processes, we can tailor products to meet specific customer requirements, ensuring maximum satisfaction and value.
- Quality Assurance: Quality is at the heart of everything we do. Our rigorous quality control measures ensure that every product leaving our facility meets the highest standards of excellence.



VISION & MISSION



Vision

Our vision is to be a global leader in innovative manufacturing, recognized for our commitment to quality, sustainability, and customer satisfaction. We aim to continuously push the boundaries of technology and processes to deliver superior products that enrich the lives of people worldwide. By fostering a culture of collaboration, integrity, and excellence, we strive to create value for our customers, employees, shareholders, and the communities in which we operate."

Mission

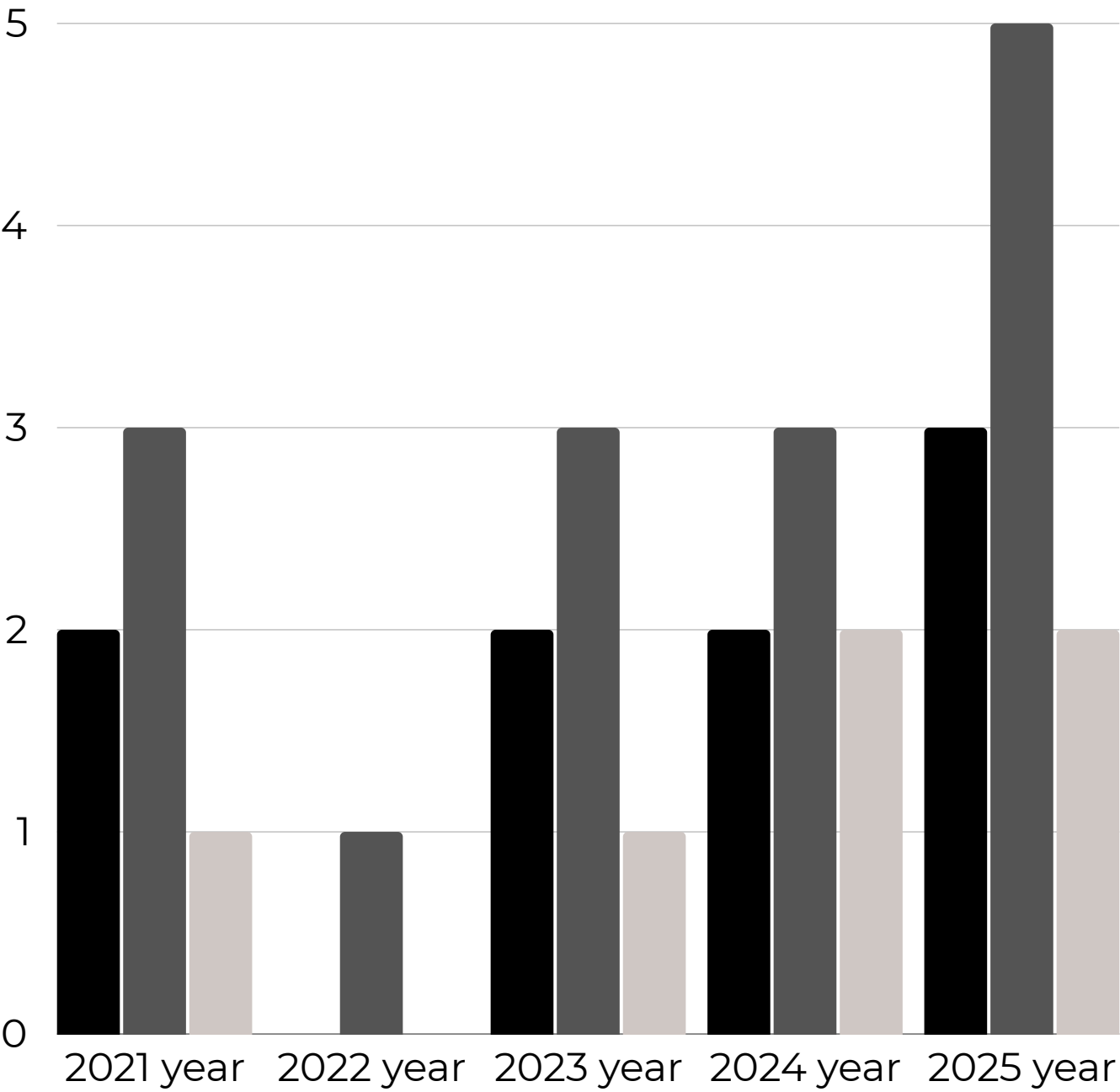
Our mission is to deliver superior-quality products that exceed customer expectations. We are committed to continuous innovation, leveraging cutting-edge technology and to ensure efficiency and reliability in our manufacturing processes. Central to our mission is our dedication to the well-being of our employees, fostering a culture of growth, safety, and teamwork. . At Blacksmiths we strive to be a trusted partner for our customers, delivering value, integrity, and excellence in everything we do."

INDUSTRIES PLANT SUPPLIED

P R E S E N T A T I O N



Our company served more then 80 companies for the rendering plant and machinery and still doing. Here is our plant supplied in 2019-26. Machinery Extra.



RED MEAT RENDERING PLANT

B L A C K S M I T H S

When you are in the meat rendering industry, you have your own specific needs and requirements when it comes to the processing of meat, bones, and offal.

Blacksmiths designs develop and supply both processes and equipment that help you face your challenges. Our solutions focus on efficient utilization of raw materials and energy, as well as on product quality, regulatory conformance, and environmental impact. We have some standard process for red meat rendering industry

1. Dry Rendering Plant
2. Wet Rendering Plant
3. Blood Meal Plant



CHICKEN OFFAL RENDERING PLANT

1

FEATHER PROCESSING

Feather meal is made from poultry feathers by hydrolyzing under elevated heat and pressure and then drying and grinding. The pressure hydrolysis process is necessary in order to convert the hard, fibrous proteins called keratin, which is the principal component of feathers and hog hair, into feather meal that contains the amino acids.

Hydrolyzed feather meal is a good source of natural protein for most animal diets. It can be used to replace a significant portion of other protein sources in livestock and aquaculture diets.

2

OFFAL PROCESSING

When you are in the poultry rendering industry, you have your own specific needs and requirements when it comes to the processing of meat, bones, offal, feathers and blood.

Blacksmiths designs, develops and supplies both processes and equipment that help you face your challenges. Our solutions focus on efficient utilization of raw materials and energy, as well as on product quality, regulatory conformance and environmental impact.

3

BLOOD PROCESSING

Blood contains 16 to 18 percent protein solids and dried blood meal is a valuable ingredient in feed for non-ruminant animals because it has a high lysine content. Blood meal is also used as a high-nitrogen fertilizer.

The blood is fed into a blood coagulator in which the blood coagulates. The coagulated blood solids and water are separated in a decanter and the blood solids are dried in either a Continuous Cooker or a Batch Cooker.

This method is very energy efficient, because about more than half of the water is removed mechanically before drying.

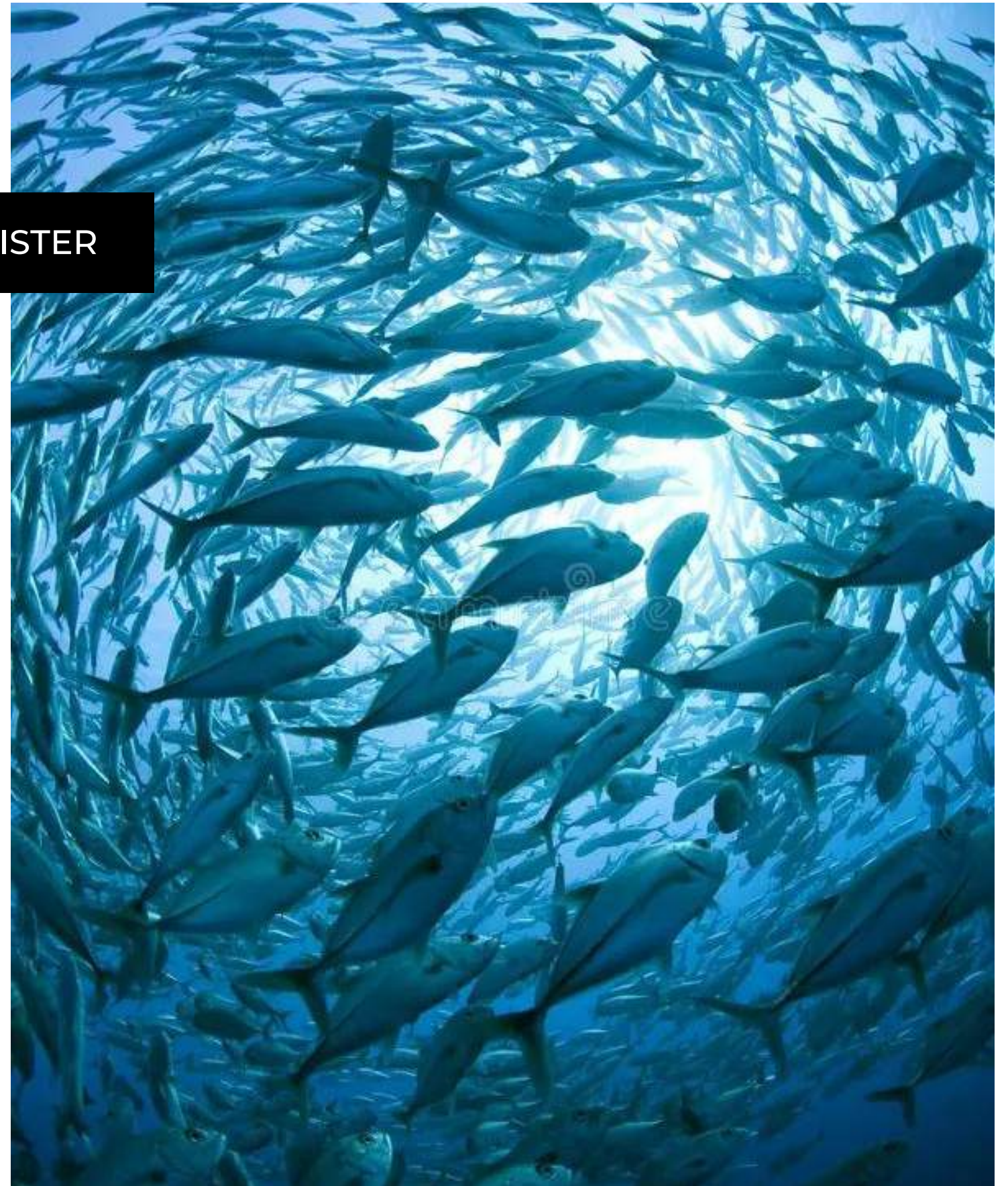
FISH MEAL PLANT

Description Here

When you are in the fish meal processing industry , you have your own specific needs and requirements when it comes to the processing of waste. Blacksmiths designs develop and supply both processes and equipment that help you face your challenges. Our solutions focus on efficient utilization of raw materials and energy, as well as on product quality, regulatory conformance, and environmental impact.



REGISTER



OUTPUT OF BY-PRODUCTS

01

Meat Bone Meal- Protein 45-48%
Ash- 3-4%
Fat- 10-12%
Moisture- 7-8%

02

Chicken Meal- Protein 65-68.4%
Ash- 5-6%
Fat- 16-18%
Moisture- 7-8%

03

Fish Meal- Protein 68-73.0%
Ash- 3-4%
Fat- 18-20%
Moisture- 8-9%



P R E S E N T A T I O N

THE RENDERING MACHINERY

BATCH COOKER

2 0 2 6

BLACKSMITHS RENDERING

In every rendering process there is need of a specific type of cooking or heating equipment to ensure the correct transfer of heat to products. BLACKSMITHS provides tailor-made solutions for all types of raw material in various parts of different processes.



BLACKSMITH'S Batch Cooker are used for cooking, hydrolysis, sterilization, and drying of any raw material of animal origin. The method consists in the heat exchange that takes place from the contact between the product and the heated surfaces inside the equipment. An efficient purge system eliminates the condensate inside the shaft, ensuring maximum equipment efficiency. The Batch Cooker may be manufactured in models with and without pressure inside the body, fulfilling the most stringent international standards.

MEAT RENDERING **BONE CRUSHER/SHREDDER**

Animal Bone Crusher

The Animal Bone Crusher is a robust and high-efficiency machine designed for crushing animal bones and hard by-products into smaller, uniform sizes for further processing. Engineered with heavy-duty construction and precision components, it ensures reliable performance even under continuous operation.

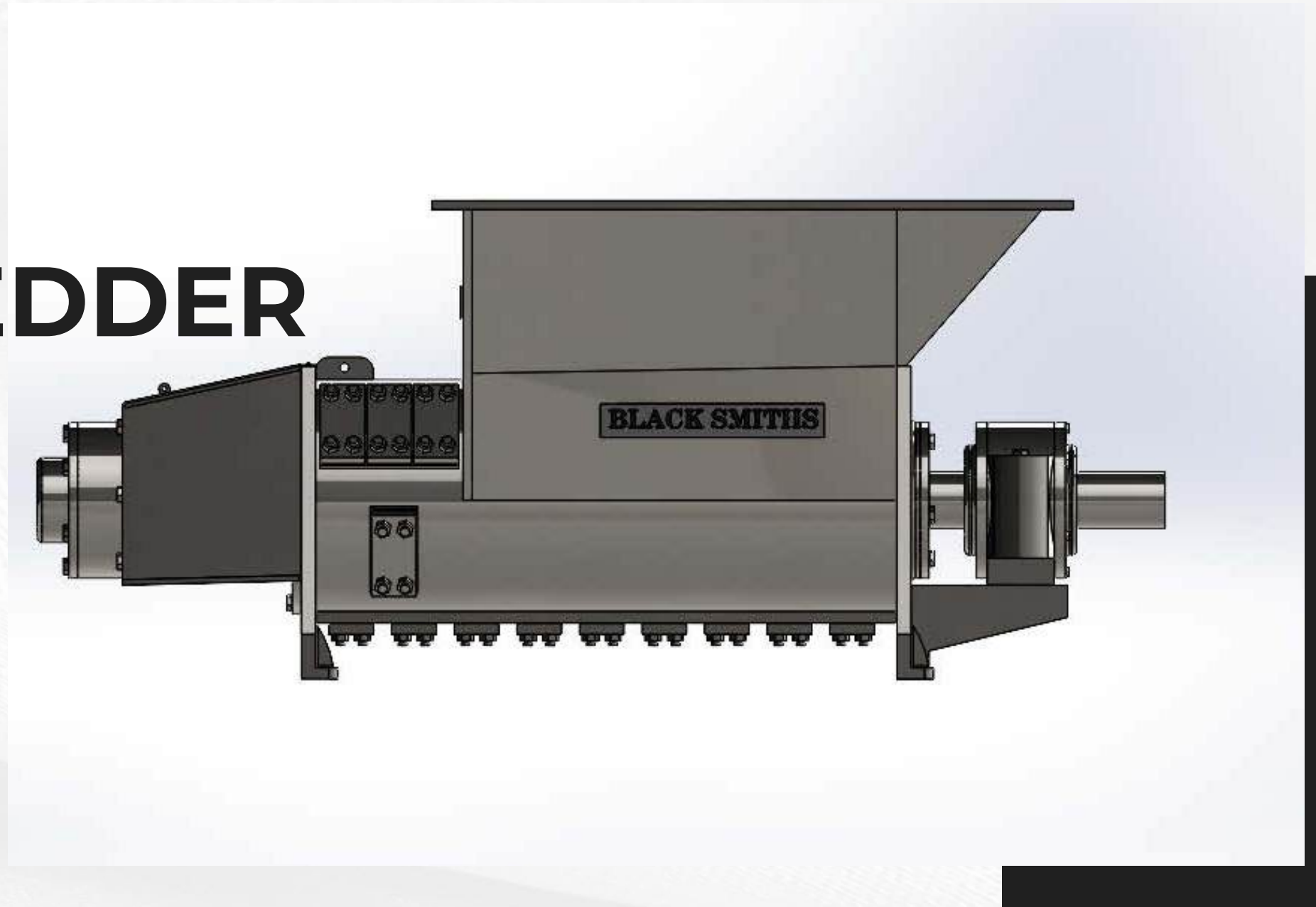
Key Features:

- Heavy-duty steel construction for long service life
- High crushing capacity with uniform output size
- Suitable for raw and cooked bones
- Low maintenance and easy operation
- Designed for continuous industrial use

Applications:

- Slaughterhouse by-product processing
- Rendering plants
- Animal feed production

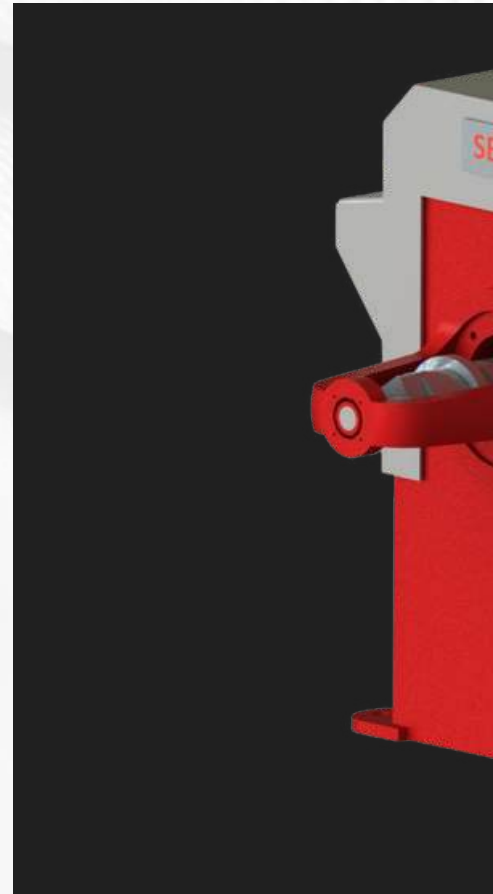
The Animal Bone Crusher by BLACKSMITHS ensures efficient material size reduction, enhancing processing performance and supporting high-quality feed production.



BLACKSMITHS RENDERING SOLUTIONS

- ✓ Capacity- 5-15 Ton/Hr
- ✓ Power- 60-120 Hp
- ✓ Output Size- 1-3 Inch





SOLUTION BY BLACKSMITHS

- ✓ Best Extraction Capacity
- ✓ Robust Construction
- ✓ Standard Output Material

BY-PRODUCT RENDERING OIL EXTRACTION FAT SCREW PRESS

The Fat Screw Press is a highly efficient mechanical separation system designed to extract fat from cooked animal and poultry by-products. Built with precision engineering and robust construction, it ensures maximum fat recovery while maintaining the quality of the solid protein meal.

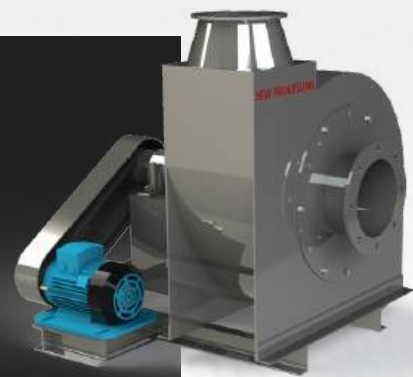
This machine plays a critical role in rendering plants by reducing residual fat content in the processed material, thereby improving the overall efficiency of downstream operations such as drying and grinding. Its continuous operation capability and optimized screw design allow for consistent performance and high throughput.

Key Features:

- High fat extraction efficiency
- Continuous and reliable operation
- Durable screw and cage design for long service life
- Optimized for maximum yield and minimal losses
- Low maintenance and easy to operate

Applications:

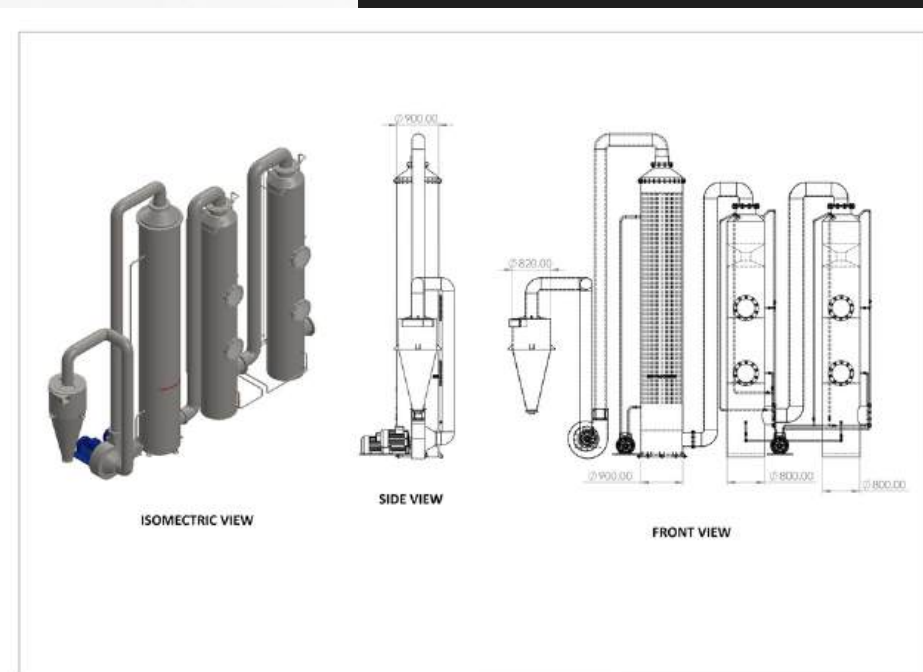
- Slaughterhouse by-product rendering plants
- Poultry and fish processing units
- Animal feed ingredient production



AIR POLLUTION CONTROL BY-PRODUCT RENDERING FUMES



OUR FACILITY IS ADVANCED HYBRID SYSTEM WHICH INCLUDES CYCLONE, CHEMICAL SCRUBBER, CONDENSER AND BIO FILTER USES NEGATIVE PRESSURE TO TRAP ALL PROCESS ODORS INDOORS. THESE GASES THEN PASS THROUGH CHEMICAL SCRUBBERS AND NATURAL BIOFILTERS TO NEUTRALIZE ORGANIC COMPOUNDS. THIS SYSTEM ENSURES ONLY CLEAN, ODORLESS, AND SAFE AIR IS RELEASED OUTSIDE.



OUR PROJECTS



LATEST CUSTOMER LIST

BERA FISHERIES FISH & CHICKEN (SURINAME)

SOUTH AMERICA

EAGLE FEED CHICKEN AND RED MEAT (SRI-LANKA)

HMA AGRO INDUSTRIES RED MEAT(INDIA)

ANANTHAM PROTEIN INDIA PVT LTD CHICKEN (INDIA)

BETON INDUSTRIES CHICKEN (INDIA)

INDUS PUNJAB RED MEAT(INDIA)

BLACKSMITHS has successfully designed, manufactured, and delivered advanced rendering and processing solutions across a wide range of industries. Our supplied projects include complete slaughterhouse by-product rendering plants, cooking and drying systems, fat extraction units, and customized feed ingredient processing lines.

CONTACT US

We look forward to
working with you

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Nagar, Uttar Pradesh , India



THANK YOU

“Thank You for Trusting BLACKSMITHS — Engineering Nutrition for a Better Tomorrow.”

W W W . B S M R E N D E R I N G . C O M